

PROSPETUS
FOR
ADMISSION THROUGH COMMON ENTRANCE EXAMINATION
TO
VARIOUS UG COURSES
FOR
ACADEMIC SESSION 2017-18

- B.Sc. NURSING IN COLLEGE OF NURSING
- B.P.T COURSE AT COLLEGE OF PHYSIOTHERAPY
- B.Sc. OPTOMETRY AT REGIONAL INSTITUTE OF OPHTHALMOLOGY
- B.Sc. IN MEDICAL TECHNOLOGY OPERATION THEATRE (OT)
- B.Sc. IN MEDICAL LAB. TECHNOLOGY (MLT)
- B.Sc. IN RADIOTHERAPY TECHNOLOGY
- B.Sc. IN RADIOGRAPHY & IMAGING TECHNOLOGY
- B.Sc. IN PERFUSION TECHNOLOGY

AT PT. B.D. SHARMA
PGIMS, ROHTAK

- B.A.M.S. IN SK GOVT AYURVEDIC COLLEGE, KURUKSHETRA
- B.A.M.S. IN PRIVATE UNAIDED AYURVEDIC COLLEGES AFFILIATED TO UHSR.
- B.A.M.S. IN MSM INSTITUTE OF AYURVEDA , KHANPUR KALAN, SONEPAT
- B.H.M.S. IN J.R. KISSAN HOMOEOPATHIC MEDICAL COLLEGE & HOSPITAL, ROHTAK.
- B.Sc. NURSING IN ALL PRIVATE NURSING COLLEGES AFFILIATED TO PT. B.D.SHARMA UHS, ROHTAK.
- B.P.T. IN ALL PRIVATE PHYSIOTHERAPY COLLEGES AFFILIATED TO PT. B.D.SHARMA UHS, ROHTAK.
- B.SC. (M.L.T.) IN M.A.M.C., AGROHA (HISAR)
- B.A.S.L.P. IN R.P. INDRAPRASTHA INSTITUTE OF SPEECH & AUDIOLOGY, BASTARA (KARNAL)



PT. B.D. SHARMA
UNIVERSITY OF HEALTH SCIENCES ROHTAK-124001 (HARYANA)

**STATUTORY OFFICERS OF PT.B.D.SHARMA, UNIVERSITY OF
HEALTH SCIENCES(UHSR), ROHTAK -124001, HARYANA, INDIA AS
PER ACT.**

**HON' BLE CHANCELLOR
SH. KAPTAN SINGH SOLANKI, GOVERNOR OF HARYANA**

**VICE-CHANCELLOR
DR. O.P. KALRA**

Name and Designation	Telephone No.
PRO VICE CHANCELLOR	281614
REGISTRAR	282709
DIRECTOR, P.G.I.M.S. ROHTAK	281307
DEAN ACADEMIC AFFAIRS	282113
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CHAPTER-I

ABOUT THE UNIVERSITY

Pandit Bhagwat Dayal Sharma University of Health Sciences, Rohtak has been established by the Haryana Act No. 26 of 2008. This Act has come into force w.e.f. 2.6.2008 vide Haryana Government Notification No. S.O. 74/H.A. 26/2008/S.I./2008 dated 18-08-2008. The University has been established for the purpose of teaching and affiliating, ensuring proper and systematic instruction, training and research in Modern and Indian System of Medicine and for the administration of the Pt. B.D. Sharma Post Graduate Institute of Medical Sciences, Rohtak. The University shall exercise its powers throughout the State. This University is the first University of Health Sciences in the State. It is located at a distance of 70 Km North-West of Delhi on the National Highway No. 10, spread over a sprawling 350 acres of land in the historic city of Rohtak,

Aims and Objectives

1. To administer, manage and advance Pt. B.D. Sharma PGIMS in addition to monitor and regulate the functions of affiliated colleges and institutes.
2. To establish uniformity in standards of education in all faculties.
3. To promote research in various disciplines of Health Sciences with special focus on social and economic relevance of such research and with emphasis on occupational and environmental health issues affecting the people.
4. To establish and develop study centers integrating all disciplines relevant to health sciences.
5. To promote the development and use of information technology as part of technological infrastructure.
6. To attain high standards of academic excellence by providing the necessary infrastructure.

CHAPTER-II
ABOUT THE INSTITUTIONS

COURSES AT PT. B.D.SHARMA PGIMS, ROHTAK (Govt. Institution covered under State Reservation Policy)

- B.Sc. NURSING IN COLLEGE OF NURSING
- B.P.T COURSE AT COLLEGE OF PHYSIOTHERAPY
- B.Sc. OPTOMETRY AT REGIONAL INSTITUTE OF OPHTHALMOLOGY
- B.Sc. IN MEDICAL TECHNOLOGY OPERATION THEATRE
- B.Sc. IN MEDICAL LAB. TECHNOLOGY
- B.Sc. IN RADIOTHERAPY TECHNOLOGY
- B.Sc. IN RADIOGRAPHY & IMAGING TECHNOLOGY
- B.Sc. IN PERFUSION TECHNOLOGY

BAMS (PRIVATE UNAIDED AYURVEDIC INSTITUTIONS)

- Ayujoyoti Ayurvedic college & Hospital Panjuana-Kharia road, Jodhpuria, Sirsa
- CDL College of Ayurveda, Bhagwargarh, Jagadhari
- Gangaputra Aurvedic College, Kandela (Jind)
- Gaur Brahman Ayurvedic College, Brahamanwas, Rohtak
- Lal Bahadur Shastri Ayurvedic College for women, Bilaspur (Yamunanagar)
- Murari Lal Rasiwasia Ayurvedic College, CharkhiDadri
- National College of Ayurved, Dhani Garan Road, Barwala (Hisar)

BHMS (PRIVATE UNAIDED HOMOEOPATHIC INSTITUTION)

- J.R. Kissan Homoeopathic Medical College & Hospital, Rohtak.

BPT (PRIVATE UNAIDED PHYSIOTHERAPY INSTITUTIONS)

1. Maharaja Agrasen College of Physiotherapy, Agroha
2. Prem Physiotherapy and Rehabilitation College, Baroli, Panipat
3. R.P. Educational Trust Group of Institution Vill Bastara (Karnal)
4. M.T. Saket College of Physiotherapy, Chandi Mandir, Panchkula
5. T.T. D.A.V. Institute of Physiotherapy & Rehbt. Yamuna Nagar

B.Sc. MLT (PRIVATE UNAIDED INSTITUTION)

1. Maharaja Agarsen Medical College, Agroha (Hisar)

B.A.S.L.P. (PRIVATE UNAIDED INSTITUTION)

1. R.P. Indraprastha Institute of Speech & Audiology, Bastara (Karnal)

LIST OF PRIVATE INSTITUTIONS

B.Sc. NURSING (PRIVATE UNAIDED NURSING INSTITUTIONS)

1. B.D.M. Nursing College, Chhuchhakwas (Jhajjar)
2. Bhai Surender Kumar Memorial Nursing School, Jind
3. Birender Singh Nursing College, Uchana (Jind)
4. Dr. Jai Parkash Sharma Memorial College of Nursing, Yamuna Nagar
5. Florence school & College of Nursing Ballabhgarh, Faridabad
6. Happy Child College of Nursing, Mahalna Road, Sonipat
7. Haryana College of Nursing, Ellenabad, Sirsa
8. Himalayan Institute of Nursing, VPO Kala Amb. (Ambala)
9. Indus College of Nursing, Khandi Kheri, Hisar
10. KVM Nursing College, Ladhot Road, Rohtak
11. Kailash Institute of Health & Medical Science Vill- Chandikotla (Panchkula)
12. Lingaya's Institute of Health Sciences (Nursing), VPO Kawara, Faridabad
13. Maharaja Agresen College of Nursing, Nuna majra, Bahadurgarh
14. Maharaja Agrasen Nursing College, Agroha
15. Mahabir College of Nursing, Bullana Hisar Road, Ambala City
16. Maharishi Dayanand Institute of Nursing, VPO Chaudharywas (Hisar)
17. National College of Nursing, Dhani Garan Road, Barwala, (Hisar)
18. Rachna Institute of Nursing, Nangal Sirohi, Mohindergarh
19. R.R.College of Nursing, Wazirpur(Gurgaon)
20. R.P. Indraprastha Institute of Medical Sciences, Vill Bastara (Karnal)
21. Rural Nursing Training Institute, VPO Barwasni, Hullari More, Sonapat
22. Satya College of Nursing, VPO Sisarkhas, Teh. Meham (Rohtak)
23. Shaheed Baba Deep Singh College of Nursing, Ratia (Fatehabad)
24. Shaheed Udham Singh College of Nursing, Ratia, Fatehabad
25. Sharbati College of Nursing, Gaushala Road, Mahandergarh
26. Swami Devi Dayal College of Nursing, Golpura, (Panchkula)
27. Swami Vivekanand Nursing College, Jagadhri (Yamuna Nagar)
28. SVM College of Nursing, Vill. Baland (Rohtak)
29. Ved Nursing College (Barauli) Panipat
30. Yamuna Institute of Nursing, Vill. Gadhola, P.O. Gadholi, Yamunanagar

CHAPTER III

ADMISSION SCHEDULE AT A GLANCE-2017-18

Details of admission schedule	To apply for BAMS/BHMS/ B.Sc. (Nursing) /B.P.T./ B.Sc. (Optometry)/ B.Sc. Medical Tech. Operation Theatre (OT)/ B.Sc. Medical Lab Technology (MLT)/ B.Sc. Radiotherapy Tech./ B.Sc. Radiography & Imaging Tech./ B.Sc. Perfusion Technology and BASLP Courses
Online availability of Prospectus, Online Registration, acceptance of applications, Deposition of Registration – cum - counseling fee	30.06.2017
Last date of submission of online application form	19.07.2017
Registration – cum - counseling fee	Rs. 2400/- (for GC Cat.) and Rs. 600/- (for SC/BC Category of Haryana)
Date Common Entrance Test (CET)	30.07.2017 Sunday(10.00 AM to 01.00 PM)
Display of category-wise merit list of the applicants	Within 48 hours
1 st round of counseling	Will be displayed on website separately
Venue of Counseling	Committee Room, Director Office, PGIMS, Rohtak.

Note:-

- **Candidates are advised to regularly check Websites i.e. www.uhsr.ac.in and <http://bdsuhsoa.digitaluniversity.ac> for any amendment/corrigendum or rescheduling/counseling.**

AVAILABILITY OF PROSPECTUS

Prospectus containing eligibility conditions, list of participating institutions with no. of sanctioned seats and other instructions can be seen/downloaded from websites www.uhsr.ac.in or <http://bdsuhsoa.digitaluniversity.ac>

Note:

Centre once allotted shall not be changed.

The Centre in which a candidate is to appear will be indicated on the '**Admit Card**'. The same can be downloaded by the candidate from web portal from 21.07.2017. No candidate will be admitted to the Examination Hall, unless he/she produces the '**Admit Card**'.

Provisional Admission for Entrance Examination

A candidate whose result of qualifying examination has not been declared till the date of the Entrance Examination can also apply and appear in the examination provisionally. However, he/she will have to produce proof of his/her having passed the examination on the basis of which he/she claims eligibility to appear in the Entrance Examination by the date of the 1st counselling. A candidate who fails to produce the original certificates, marks-sheets and other relevant certificates on the basis of which he/she is

claiming to be eligible for admission to the course even at time of counselling shall not be considered for admission even if he/she has been placed in the merit list.

The candidate who has not passed his/her qualifying examination in full on the date of first counselling shall not be eligible.

The Govt. Notification to be issued by Haryana Govt. will be the part and parcel of prospectus for admission to BAMS/BHMS & BPT Courses in Govt. as well as in Private Institutions for Academic Session 2017

CHAPTER-IV

ELIGIBILITY CONDITIONS

- A.** The Indian Citizen of following categories will be eligible to appear in common entrance examination for admission to BAMS, BHMS, B.Sc. Nursing, BPT/B.Sc. Optometry/ B.Sc. in Medical Technology Operation Theatre (OT)/ B.Sc. Medical Lab. Technology (MLT)/ B.Sc. Perfusion Technology/ B.Sc. Radiotherapy Technology/ B.Sc. Radiography & Imaging Technology Courses in **Govt. Institutions and State Quota seats of Private Institutions:-**
- i) **The candidates, who are bonafide residents of Haryana** as per instructions issued by the Chief Secretary to Govt. Haryana Chandigarh vide letter No.62/1795-6GS1 dated 3.10.96 **Annexure-2**, U.O. No. 62/27/2003 – 6 GSI dated 29.07.2003 **Annexure-3** and submit relevant certificate of bonafide residents as laid down in letter no.22/28/2003-3GS-III dated 30.1.2004 **Annexure 4**.
 - ii) The children/wards (if parents are not living)/dependents of the employees of Indian Defense Services/Para-Military Forces belonging to Haryana State at the time of entry into service as per their service record. (Such candidates will submit a certificate in the proforma given in **Annexure-5** from the Officer duly authorized by the Army/Navy/Air Force/concerned Para-Military Forces Headquarters, as the case may be).
 - iii) The children/wards (if parents are not living)/ dependents of Ex-employees of Indian Defense Services/Para-Military Forces belonging to Haryana State at the time of entry into service as per their service record who retired from service on or after first April of the preceding year of admission. (Such candidates will submit a certificate in the proforma given in **Annexure-13** from the Officer duly authorized by the Army/ Navy/Air Force/concerned Para-Military Force Headquarters, as the case may be).
 - iv) The children/wards (if parents are not living)/dependents of Ex-employees of Indian Defence Services/Para-Military Forces belonging to Haryana State at the time of entry into service as per their service record, provided the candidate has studied 10+2 as a regular candidate in a recognized institution in Haryana. (Such candidates will submit a certificate in the proforma given in **Annexure-13** from the Officer duly authorized by the Army/Navy/Air Force/concerned Para-Military Forces Headquarters, as the case may be and also a certificate to the effect that he/she has studied 10+2 as a regular candidate in a recognized institution in Haryana from the Principal/Head of the Institution last attended in the proforma given in **Annexure-14**).

Note: The above conditions do not apply in case of Private Institutions for Management quota seats.

- B.** The candidates should also fulfill the FOLLOWING minimum conditions to appear in the Entrance Examination for both Govt. & Pvt. Institutions:-
- (i) She/he will attain the age of 17 years or more on 31.12.2017.

Note: The age shall be determined as per entry in the Matriculation/Higher Secondary or its equivalent Certificate.

C. EDUCATIONAL QUALIFICATIONS:-

The candidate must have passed following examinations:

1. B.A.M.S.

A candidate must have passed Sr. Sec. Certificate Examination (10+2) of the Board of School Education, Haryana with Science or an examination recognized as equivalent thereto provided the candidate passes the examination with 50 % aggregate marks in the subjects of Physics, Chemistry & Biology For SC/ST/BC the aggregate marks will be read as 40 % marks instead of 50 % marks.

OR

Any other examination recognized by Pt. B.D.Sharma U.H.S. Rohtak as equivalent.

2. **B.H.M.S.**

A candidate must have passed Sr. Sec. Certificate Examination (10+2) of the Board of School Education, Haryana with Science or an examination recognized as equivalent with Physics, Chemistry & Biology.

Note:

Blind (including colour blind) deaf and/or dumb candidates shall not be allowed for admission in the course.

3. **B.Sc. Nursing**

- i) She will attain the age of 17 years or more on 31.12.2017.

Note: The age shall be determined as per entry in the Matriculation/Higher Secondary or its equivalent Certificate.

- ii) The candidate must have passed Senior School Certificate examination (10+2) of Board of School Education, Haryana or an examination recognized as equivalent thereto with at least 45% aggregate marks for General Category, 40% marks for SC/BC in Physics, Chemistry, Biology & English (P,C,B & E) taken together in qualifying examination . However, the candidate must obtain pass marks in each subject separately.
- iii) The list of the examinations recognized as Equivalent to 10+2 examinations Board of School Education Haryana is available in the Academic Branch of Pt. B.D. Sharma, University of Health Sciences Rohtak.

4. **Bachelor of Physiotherapy (BPT) at College of Physiotherapy, PGIMS, Rohtak**

- A candidate must have passed Sr. Sec. Certificate Exam. (10+2) of Board of School Education Haryana or equivalent exam with a minimum of 50 % marks in the aggregate in the subjects of Physics, Chemistry, Biology and English taken together and pass the qualifying examination. In case of SC/ST/BC candidates the marks obtained should be read as 40% in qualifying examinations.

5. **B.Sc. (Optometry), Regional Institute of Ophthalmology, PGIMS, Rohtak.**

- a. A candidate must have passed Sr. Sec. Certificate Exam. (10+2) of Board of School Education Haryana or equivalent exam with a minimum of 50 % marks in the aggregate in the subjects of Physics, Chemistry, Biology and English taken together and pass the qualifying examination. In case of SC/ST/BC candidates the marks obtained should be read as 40% in qualifying examinations.
- b. In-service candidates (for B.Sc. optometry) : (i) A person in regular employment shall also be eligible as in-service candidates provided he/she fulfills above qualifications for eligibility has passed the course of Ophthalmic Assistant/Optomety/Orthoptics (minimum 2 years duration) from any recognized Board/Council/University and thereafter is in regular employment with Haryana Health/Medical Education and research department and possesses a minimum experience of 3 years or more as Optometrist/Ophthalmic Assistant in Haryana Health/ Medical Education and Research Department.
- c. If in-service departmental candidate is not available/ not qualified then candidate having passed the course of Ophthalmic assistant/Optomety/Orthoptics (minimum 2 years duration) from any recognized Board/Council/University with 3 years experience in any hospital/clinic shall be eligible against seats reserved for in-service candidates.

Further if the candidates of above categories are not available as given para (b) & (c) above, the seat will be filled up by following Haryana Govt. reservation policy.

6. **B.Sc. in Medical Technology Operation Theatre (OT) Course**

- a. A candidate must have passed Sr. Sec. certificate exam (10+2) of Board of School Education, Haryana or an equivalent exam in Physics, Chemistry, Biology & English taken together.
OR
- b. Pre- Medical passed with physics, chemistry & Biology/math from a recognized Board/ University.
OR
- c. A person in regular employment of UHS/Haryana Health/Medical Education & Research Deptt. who applies through proper Channel must have passed Sr. Sec. Certificate Exam. (10+2) of Board of School Education Haryana / Pre medical or equivalent exam with a minimum of 50% marks in aggregate in the subjects of Physics, Chemistry, Biology and English taken together and pass the qualifying examination. In case of SC /ST / BC candidates the marks obtained should be read as 40% in qualifying examinations. And she/he possesses a Diploma in operation theatre technician from an Institution / Board/Council recognized by Haryana Govt. and has a minimum of 3 years of experience as O.T. Assistant / O.T. Master in various capacities in Haryana Govt. under Medical Education & Research Deptt.

If the in service candidates with above mentioned criteria are not available / not qualified then

- d i) A person in regular employment of UHS/ Haryana Health / Medical Education & Research Deptt. who applies through proper channel having passed Matric Exam (10th Class) of Board of School Education Haryana or equivalent exam with a minimum of 50% marks in aggregate with Hindi and English taken together. In case of SC/ST/BC candidates the marks obtained should be read as 40% in qualifying examinations. And she/he possesses a Diploma in operation Theatre technician from an Institution / Board Council recognized by Haryana Govt. and has a minimum of 5 years of experience as O.T. Assistant / O.T. Master in various capacities in Haryana Govt. under Medical Education & Research Deptt.

If the in service candidates with above mentioned criteria are also not available / not qualified then

- ii) A person in regular employment of UHS/Haryana Health/ Medical Education & Research Deptt. who applies through proper channel must have passed Sr. Sec. Certificate Exam. (10+2) of Board of School Education Haryana / Pre medical or equivalent exam with a minimum of 50 % marks in aggregate in the subjects of Physics, Chemistry, Biology and English taken together and pass the qualifying examination. In case of SC/ST/BC candidates the marks obtained should be read as 40% in qualifying examinations. and she/ he should possess a minimum of 5 years of experience in Operation Theatre in various capacities in Haryana Govt. under Medical Education & Research Deptt.

7. B.Sc. Medical Lab. Technology (B.Sc. MLT)

- A candidate must have passed Sr. Sec. Certificate Exam (10+2) of Board of School Education, Haryana or an examination recognized as equivalent thereto with Physics, Chemistry, Biology & English.

For in-service Candidates applying through Proper Channel: Those employees have put in a minimum 5 years of regular service even after passing Diploma in MLT from the institutions/ boards/ councils recognized by Haryana Govt.

8. B.Sc. in Radiotherapy Technology

- A candidate must have passed Sr. Secondary Certificate Examination (10+2) of Board of School Education Haryana or equivalent with Chemistry, Physics, Math/ Biology and English as subject.

9. B.Sc. in Radiography & Imaging Technology

- A candidate must have passed Sr. Secondary Certificate Examination (10+2) of Board of School Education Haryana or equivalent with Chemistry, Physics, Math/ Biology and English as subject.

10. B.Sc. in Perfusion Technology

- A candidate must have passed Sr. Secondary Certificate Examination (10+2) of Board of School Education Haryana or equivalent with Chemistry, Physics, Math/ Biology and English as subject.

11. B.A.S.L.P (Bachelor of Audiology and Speech-Language Pathology)

- A candidate must have passed Sr. Secondary Certificate Examination (10+2) of Board of School Education Haryana or equivalent examination with a minimum of 50% marks. The candidate should have studied Physics, Chemistry, Biology and any one of

Mathematics/Computer Science/Statistics/Electronics/Psychology.

- For the candidate seeking admission against reserve seats for SC/ST/BC the age and 45 %age of marks shall be relaxed as per Haryana Govt. norms.
- Applicant shall not be older than 25 years on 1st July of the year of admission.
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Note:- To determine the minimum eligibility criteria, calculation of marks obtained in qualifying examination will be made as per instructions of the Chief Secretary to Govt. of Haryana bearing No. 22/129/2013-IGS III Dated 16.07.2014 (Annexure- 19)

- **Admission to above courses will be made on the basis of the merit of Common Entrance Test.**
- The list of the examinations recognized as Equivalent to 10+2 examinations Board of School Education Haryana is available in the Academic Branch, Pt. B.D. Sharma, University of Health Sciences Rohtak .

Important Note:

The candidates are advised to check the University Website i.e. www.uhsr.ac.in or <http://bdsuhsoa.digitaluniversity.ac> regularly for any amendment/ corrigendum or rescheduling and counseling.

SCHEME OF EXAMINATION

1. (A) Date of Entrance Examination : 30.07.2017 (SUNDAY)
- (B) Timings : (10:00 AM to 01:00PM)
2. **Medium of Examination**
The medium of Entrance Examination will be English.
3. **Scheme of Examination**
The Entrance examination shall consist of one paper of three hours duration-The paper will include objective type questions.
4. **Number of questions and Maximum Marks**
- (i) There will be total of 180 objective type questions (in the subject of Physics, Chemistry, Botany & Zoology or Mathematic preferably equally distributed.
 - (ii) The paper shall carry a maximum of 180 Marks,
 - (iii) **The candidate must mention the stream of examination in which they want to appear BIOLOGY OR MATHEMATICS.**
 - (iv) **There will be No Negative Marking.**
5. **Instructions for Question Booklet**
- (i) Candidates will be given a Question Booklet and Answer Sheet immediately after taking seat They are advised to read and follow the instructions on front and back-page of the question Booklet carefully.
 - (ii) There is Question Booklet number and code (A or B or C or D) mentioned on the front page, which every candidate must carefully fill in the appropriate place on the Answer Sheet.
 - (iii) Candidate must sign on the front page of the Question Booklet at the appropriate place.
 - (iv) The Question Booklet has paper seal pasted on it. Candidate should break the seal and open the Question Booklet only when they are asked to do so by the Invigilator.
 - (v) Candidate must check that Question Booklet has 180 questions immediately after breaking the seal. In case any mistake in the Question Booklet is found, Invigilator may be requested to change the same immediately.
 - (vi) The Question Booklet and the Answer Sheet must be returned to the Invigilator before leaving the Hall.
 - (vii) The candidate shall indicate the number of questions attempted in each section.
6. **Instructions for Answer Sheet**
- (i) A dummy sample of the Answer sheet is available in this Prospectus.
 - (ii) Use good quality ball pen(blue/black) strictly as directed on the Answer Sheet.
 - (iii) Do not fold or put any stray mark, nor do any rough work on the Answer Sheet.
 - (iv) Fill in the Roll No. and Question Booklet No. and Booklet Code printed on front page of the Question Booklet in the proper blocks as directed on the Answer Sheet.
 - (v) Sign at the appropriate place on the Answer Sheet with Ball pen(blue/black).
7. **Rough Work**
The candidate should not do any rough work on the Answer-sheet. All rough work can be done on the last page of Question Booklet. **Do not mark or write anything elsewhere in the Question Booklet and OMR Answer Sheet.**
8. **Procedure to be followed in the Examination**
- (i) No candidate shall be allowed to enter in Examination Hall after starting of examination.

- (ii) 10 minutes before the commencement of the examination each candidate will be given a sealed. Test Booklet and OMR answer-sheet.
- (iii) Immediately on receipt of the Test Booklet the candidate will fill in the required particulars on cover page of the Test Booklet with Blue or Black ball pen only. But she/he will not open the Test Booklet until asked to do so by the invigilator.
- (iv) Books, papers, slide rule, log table, paper, cellular phone, pager, calculator, wrist watches or any other electronic gadget etc. are not allowed in the Examination Hall.
- (v) Complete videography/photography will be done of all the candidates .
- (vi) The examination will start exactly at the time mentioned in the Admit card and an announcement to this effect will be made by the Invigilator.
- (vii) During the examination the Invigilator will check 'Admit-Card' of the candidate and compare photographs to satisfy himself about the identity of each candidate. The invigilator will also put his signature in the place provided in the Answer-Sheet,
- (viii) The candidate shall bring his own black/blue Ball Pens.
- (ix) After completing the test and before handing over the Test Booklet and Answer-Sheet, the candidate should check again that all the particulars required in the Test booklet and the Answer Sheet have been correctly written.
- (x) A signal will be given at the beginning of the examination and at half time. A signal will also be given before the closing time when the candidates must stop marking responses.
- (xi) The candidate will be supplied OMR Answer Sheet which will be evaluated by Computer and is to be used carefully. Complete and accurate marking on this sheet is, extremely important.
- (xii)(a) To answer questions, the candidate will be required to darken in the circle by using blue/black ball Pen corresponding to the answer, she/he thinks to be correct against the serial number of the question.
- (b) It should be carefully noted that the circles should be darken properly and be filled in as complete as possible.
- (xiii) The test-booklet and the OMR Answer sheet are to be handed over to the Supervisor/Invigilator before leaving the hall. The candidate who does not hand over the test-booklet along with the OMR Sheet to the Supervisor/Invigilator, her/his candidature will stand cancelled besides facing action to be decided by the Authority.
- (xiv) "The candidates are required to furnish the ' Admit Card' at the time of (i) entry Into the Examination Hall and (ii) during the course of examination for necessary identification by the supervisory staff on duty. The candidates are, therefore, advised to keep the 'Admit Card' intact.
- (xv) There will be no revaluation/re-checking of OMR Answer sheets.

9. PUNISHMENT FOR USE OF UNFAIR MEANS

If any candidate is found guilty of any breach of rules mentioned in the prospectus or guilty of using unfair means, she/he will be liable to be punished by the Competent Authority.

10. MEDICAL EXAMINATION

- (a) The selected candidates at the time of counselling(s) will report to respective colleges for medical examination and fee deposition on the dates fixed by the Counselling Board. The standard of physical fitness required for admission will be determined by the said board. The candidature of CANDIDATES found medically unfit will be liable to cancellation.
- (b) Selected physically handicapped candidates will also have to appear before the Medical Board for assessment whether they are fit to carry out the duties despite being handicapped. The decision of the Board will be final.

11. LEGAL JURISDICTION

All disputes pertaining to the conduct of examination and admission shall fall within the jurisdiction of Rohtak only. The competent authority shall be the legal entity who may sue and be sued.

12. **Sample questions alongwith method of marking are given below**

Question: When a tuning fork vibrates with 1.0m or 1.05m long wire of a conomotor, 5 beats per second are produced in Each Case. What will be the frequency of the tuning fork?

(A). 195

(B). 295

(C). 205

(D). 210



(c) being the correct answer has been darkened.

13. The candidate will be required to write Roll No. and other particulars on the OMR ANSWER SHEET as shown below in the example for Roll No. 371206

Roll No. 371206

	3	7	1	2	0	6
1	0	0	●	0	0	0
2	0	0	0	●	0	0
3	●	0	0	0	0	0
4	0	0	0	0	0	0
5	0	0	0	0	0	0
6	0	0	0	0	0	●
7	0	●	0	0	0	0
8	0	0	0	0	0	0
9	0	0	0	0	0	0
0	0	0	0	0	●	0

CHAPTER-VI

RESERVATION & DISTRIBUTION OF SEATS **FOR GOVT. INSTITUTIONS ONLY**

Seats meant for bonafide Residents of Haryana shall be reserved for the following categories for admission to various Government Institutes located in Haryana as notified by the Government of Haryana notification issued from time to time.

<u>Sr. No.</u>	<u>Category</u>	<u>Percentage</u>
1.	Scheduled Castes	20%
2.	Backward Classes	
-	Block- 'A' (excluding creamy layer)	16%
-	Block- 'B' (excluding creamy layer)	11%
3	Physically Handicapped	
	Locomotor disability or cerebral palsy (PHL)	3%

Note:-

-Roster shall be maintained for 3% horizontal reservation for Ex-servicemen/Dependent of freedom fighters by providing reservation within reservation of 1% of general category, 1% out of scheduled castes and 1% from backward classes categories for admission to the various educational institutions of the Govt. and Govt. aided colleges/institutes located in Haryana. As far as block allocation in Block A and Block B of Backward class category is concerned, year-wise rotational system will be adopted. For example if block A of backward class is given seat in the academic year 2007, the next block i.e. B Block of backward class will be given seat in the next academic year i.e. 2008 as per letter no. 22/27/2004-GS-III dated 20/10/2005 (Annexure- 19) and so on.

GENERAL INSTUCTIONS:-

1. The reservation policy is subject to revision/State Government decision and the same as applicable on the **last date of submission of admission form shall be followed.**
2. All candidates belonging to the Scheduled Castes/Scheduled Tribes and Backward Classes etc. must submit a certificate from the competent authority showing that they belong to these classes/castes, as given in **Annexure-4**. All such Certificates should be only as per the proforma issued by the competent authority as prescribed by Haryana Govt. vide letter no. 22/28/2003-3GS-III dated 30.1.2004. Certificates issued by other than the prescribed authority shall not be accepted.
3. As per Haryana Govt. Letter No. 22/8/2004-3GSIII dated 7.6.2007 there would be no distinction between SC-A & SC-B category and 20% seats shall be reserved for Scheduled Caste candidates. **(Annexure-17)**
4. If the seats from BC Block-A are not filled up, these may be filled from BC Block-B and vice-versa.
5. Competition for reserved seats will be amongst the candidates belonging to the categories for which the seats have been reserved. Reserved seats remaining vacant on account of non-availability of eligible candidates would be placed under 'Open Merit' seats as per Haryana Govt. Law & Legislative Deptt. notification No. Leg18/2016 dated 12.05.2016.

6. List of Backward Classes notified by the State Govt. is available at **Annexure 10** and also circular No. 1170-SW(1)-95 dated 7.6.95 for excluding socially advanced persons/sections (creamy layer) from Backward Classes is available at **Annexure-11** and clarification regarding issuance of certificate to Haryana Backward Classes given by the Haryana Govt. vide Letter No. 22.36/2000-3G.S. III dated 9th August, 2000 is at **Annexure - 12**.
7. Only Dependents of Freedom Fighters (**FF**) who wish to be considered for reservation as such must submit a certificate from the Competent Authority (**Annexure-8**) alongwith undertaking (**Annexure-9**)
8. Only candidates having locomotor disability of lower limbs between 50% to 70% but otherwise medically fit for admission to the course will be considered for admission as physically handicapped. In case candidates are not available in that category then only candidates with disability of lower limbs between 40-50% may be considered for admission as per Govt. of India, Ministry of Health & Family Welfare, Nirman Bhawan, New Delhi, letter No.C.18018/2/2009-ME(P.1) dt. 17.2.2009 (Certificate as in (**Annexure 6**)). **The applying in PH category should have to produce the certificate of disability certificate issued by Medical Board, PGIMS, Rohtak at the time of counseling.**

For admission to B.Sc. Nursing

As per resolutions approved by governing body of INC for implementation of nursing educational standards conveyed vide F.No.1-5/2014-INC dated 29.10.2014. 3% Disability reservation to be considered with a disability of locomotor to the tune of 40% to 50% of the lower extremity and other eligibility criteria with regard to age and qualification will be same as prescribed for each nursing programme. However a committee to be formed consisting of medical officer authorized by medical board of state government and a nursing expert in the panel which may decide whether the candidates have the disability of locomotor of 40% to 50%.

9. Children/Wards of Military personnel (including personnel of para-military Forces) killed in action or permanently disabled in action and boarded out from the services or Ex-servicemen and their wards will be considered for reservation as Ex-servicemen and their wards (**Annexure 7**).
10. A candidate who applies either for reserved category or for both reserved and open categories will be considered first in open category. In case he is not selected in open category, he will be considered for reserved category. **In case a candidate does not fill up his reserve category in his application form, he/she will not be subsequently considered for admission against that category.**
11. A candidate who applies for and qualifies for admission in more than one reserved category will be asked to exercise his choice at the time of counselling. Institutional preference which the candidate exercised at the time of counselling will be considered final.

CHAPTER VI- Part A

RESERVATION & TENTATIVE DISTRIBUTION OF SEATS FOR GOVT. INSTITUTIONS

TENTATIVE DISTRIBUTION OF SEATS :

Category	BAMS (SKG Ayu, College, KKR.)	BAMS (MSM Instt. of Ayurveda, Khanpur Kalan) (For female candidates only)	B.Sc. Nursing (For female candidates only)	BPT (College of Physiotherapy, PGIMS, Rtk)
All India	Nil	Nil	Nil	Nil
GC	25	25 (including 2 seats for resident of vill. Khanpur Kalan & 1 seat for resident of Vill. Bhainswal Kalan.	38	15
SC 20%	10	10	15	6
BC-A 16%	8	8	12	5
BC-B 11%	6	6	8	3
PH 03%	1	1	2	1
TOTAL	50	50	75	30

Category	B.Sc in Optometry (Opto)	B.Sc. in Med. Tech. Op. Theatre(O.T.)	B.Sc. in Med. Lab. Tech. (MLT)	B.Sc. in Perfusion Tech.	B.Sc. in Radiotherapy	B.Sc. in Radiography & imaging Tech.
GC/ Open Cat.	4	2	5	2	2	2
SC 20%	2	1	2	1	1	1
BC-A 16%	1	1	1	1	1	1
BC-B 11%	1	1	1	1	1	1
PH 03%	-	-	-	-	-	-
IN SERVICE CANDIDATE	2	1	6	-	-	-
TOTAL	10	6	15	5	5	5

Note:-

In case in-service candidates are not available then these seats will be filled by following Haryana Govt. reservation Policy.

Note :

1. The reserved seats of in-service candidates will be filled up purely on merit basis from UHS, Rohtak/State Govt. of Haryana employees.

NOTE:- Final distribution of seats will be displayed at the time of counseling.

CHAPTER VI- Part B

TENTATIVE DISTRIBUTION OF SEATS- 2017 UNDER-GRADUATE COURSES IN PRIVATE UNAIDED INSTITUTIONS

FOR BSc. Nursing

SrNo.	Name of Institutions	Total intake(Management Quota seats)
1.	B.D.M. Nursing College, Chhuchakwas (Jhajjar)	40
2.	Bhai Surender Kumar Memorial Nursing School, Jind	30
3.	Birender Singh Nursing College, Uchana (Jind)	50
4.	Dr. Jai Parkash Sharma Memorial College of Nursing, Yamunanagar	40
5.	Florence School & College of Nursing, Ballabgarh, Faridabad	30
6.	Happy Child College of Nursing, Mahalna Road, Sonipat	40
7.	Haryana College of Nursing, Ellenabad Sirsa	40
8.	Himalayan Institute of Nursing, VPO Kala Amb (Ambala)	60
9.	Indus College of Nursing, Ellenabad, Sirsa	30
10.	KVM Nursing College, Ladhot Road, Rohtak	40
11.	Kailash Institute of Health & Medical Science, Vill. Chandikotla (Pkl)	40
12.	Lingaya's Institute of Health Sciences (Nursing), VPO Kawara (Fbd)	50
13.	Maharaja Agrasen Nursing College, Agroha	40
14.	Mahabir College of Nursing, Bullana Hisar road, Ambala City	100
15.	Maharishi Dayanand Institute of Nursing, VPO Chaudharywas (Hisar)	40
16.	National College of Nursing, Dhani Garan Road, Barwala (Hisar)	50
17.	Rachna Institute of Nursing, Nangal Sirohi, Mohindergarh	40
18.	R.R. College of Nursing, Wazirpur (Gurgaon)	40
19.	R.P. Indraprastha Institute of Medical Sciences, Vill. Bastara (Karnal)	40
20.	Satya College of Nursing, VPO Sisarkhas, Teh. Meham (Rohtak)	40
21.	Rural Nursing Training Institute, VPO Barwasni, Hullari More, Sonapat	30
22.	Shaheed Baba Deep Singh College of Nursing, Ratia (Fatehabad)	30
23.	Shaheed Udham Singh College of Nursing, Ratia, Fatehabad	40
24.	Sharbati College of Nursing, Gaushala Road, Mahandergarh	30
25.	Swami Devi Dayal College of Nursing, Golpura (Panchkula)	60
26.	Swami Vivekanand Nursing College, Jagadhri, Yamunanagar	40
27.	SVM College of Nursing, Vill. Baland (Rohtak)	30
28.	Ved Nursing College (Barauli), Panipat	60
29.	Yamuna Institute of Nursing, Vill. Gadhola, P.O. Gadholi, Yamunanagar	40
30.	Maharaja Agrasen Nursing College, Nuna Majra , Bahadurgarh	30

Note : 1. Admission will be Subject to the provisional affiliation/ extension granted by the University and approval of INC/HNRC.

2. Increase or decrease of seats is subject to the decision of INC/ State Govt./ University.

3. State reservation policy will not be applicable on above seats. No domicile will be required.

4. Fee structure of above private institution will be put on website/notice board before start of the counseling

BAMS- AYURVEDA

Sr. no.	Name of Institution	Total Seats	50% Open merit category/govt. seats	Status of affiliation to UHSR for academic session 2017-18
1	Ayujyoti Ayurvedic college & Hospital Panjuana-Kharia road, Jodhpuria, sirsa	50	25	
2	CDL College of Ayurveda, Bhagwangarh, Jagadhari	60	30	
3.	Gangaputra Aurvedic College, Kandela (Jind)	60	30	
4	Gaur Brahman Ayurvedic College, Brahamanwas, Rohtak	60	30	
5	M.L.R. Ayurvedic College, CharkhiDadri	60	30	
6.	Lal Bahadur Shastri Ayurvedic College for women, Bilaspur (Yamunanagar)	50 (For Female candidates only)	25	
7.	National College of Ayurved, Dhani Garan Road, Barwala (Hisar)	60	30	
TOTAL		440	220	

BHMS (HOMOEOPATHIC)

Sr. no.	Name of Institution	Total Seats	50% open merit category/ Govt. Seats	Status of affiliation to UHSR for academic session 2017-18
1	J.R.Kissan Homeopathic College & Hospital, Rohtak	50	25	

BASLP in R.P. Institute of Speech & Audiology, Bastara (Karnal)**20 Seats****BSc. MLT in Maharaja Agrasen Medical College, Agroha (Hisar)****20 Seats**

BPT- Physiotherapy

Sr. no.	Name of Institution	Total Seats	50% open merit category/ Govt. Seats	Status of affiliation to UHSR for academic session 2017-18
1.	Maharaja Agrasen College of Physio., Agroha (Hissar)	40	20	
2.	M.T Saket College of Physiotherapy, Chandimandir, Panchkula	40	20	
3.	Prem Physiotherapy & Rehabilitation, college G.T. Road, Baroli Panipat	50	25	
4.	R.P Educational Trust Group of Institution Vill Bastara (Karnal)	40	20	
5.	Thakardevi Takanram D.A.V. Institute of Physiotherapy & Rehb., Yamunanagar	40	20	
Total		210	115	

Note:- The Seats are subject to approval, decrease or increase as per CCIM/CCHM/Govt. of India/State Govt/ Extension in provisional affiliation granted by the University.

- **Final distribution will be displayed at the time of counseling.**

CHAPTER-VII

IMPORTANT INSTRUCTIONS AT A GLANCE

1. Prospectus containing eligibility conditions, list of participating institutions with no. of sanctioned seats, no. of colleges/institutes and **other instructions** can be seen/downloaded from University website www.uhsr.ac.in or <http://bdsuhsoa.digitaluniversity.ac> .
2. Before filling the online Application Form, the candidates are required to read the prospectus carefully. For any query, please contact the helpline telephone numbers **0172-5210295 (9:30 AM to 5:30 PM)**
Email I.D. uhshryadmissions@gmail.com
3. **The Admission to BAMS/BHMS/ B.Sc. (Nursing)/B.P.T./ B.Sc. (Optometry)/ B.Sc. Medical Tech. Operation Theatre (OT)/ B.Sc. Medical Lab Technology (MLT)/ B.Sc. Radiotherapy Tech./ B.Sc. Radiography & Imaging Tech./ B.Sc. Perfusion Technology and BASLP Courses for session 2017-18 will be made on the basis of merit of CET-2017 through physical counselling by Pt. B.D.Sharma University of Health Sciences, Rohtak. Physical presence of the candidate is mandatory in counseling.**
4. It will be the responsibility of the candidate to ensure eligibility for admission before applying for the course. If on verification at any stage, it is found that a candidate does not fulfil the eligibility conditions, his/her candidature will be cancelled and the fee deposited by him/her shall be forfeited.
5. On-line registration-cum-counselling fee is non-refundable.
6. On-line registration-cum-Counselling fee shall be deposited by the candidate through Net Banking/ Online Banking/Debit Card/Credit Card. Additional Bank Charges shall be borne by the candidate.
7. The outcome of different rounds will be displayed on the websites www.uhsr.ac.in or <http://bdsuhsoa.digitaluniversity.ac> as per admission schedule. No individual allotment letter will be sent to the candidates.
8. All the candidates who are allotted seats will report to allotted college institute within stipulated date, failing which their seat allotment shall stand cancelled.
9. Candidates must take print-out of their online Application Form. The print-out has to be signed and submitted at the time of counseling for admission. Candidates will also produce all the relevant certificates in original including registration, fee receipt for verification, a signed print out of their online application form generated from the website before Admission Committee before reporting in the institute.

10. The allotment of seat is liable to be cancelled, if any data /information submitted by the candidates at the time of registration is found to be wrong at the time of verification of the original certificates.
11. If a candidate is admitted on the basis of the information submitted by him/her, which is found to be incorrect or false at any stage then his/her admission shall be cancelled and all fees and other dues paid by him/her shall be forfeited. The University/College/Institute may take further action, as deemed fit, against the candidate in accordance with law.
12. All the rules and regulations for the submission of migration certificate by the candidates will be applicable as per the rules of the University.
13. All Legal disputes relating to admission to Various UG Courses for Session 2017 – 18 will be subjected to Courts having jurisdiction at Rohtak.
14. All the updated latest information/changes/modifications will be displayed on the websites. The candidates are required to visit the website regularly to obtain the latest information.

Information for Candidates :-

- 1. The registration-cum-counseling fee will not be refunded under any circumstances.**
2. Any attempt on the part of a candidate, his parents or relatives to canvass or bring influence to bear upon the University directly or indirectly, for securing admission will be a disqualification for admission.
3. No judicial proceedings will lie against the University for:-
 - a. Any bonafide error that may occur in the selection of any candidate for admission.
 - b. Refusing to accept a certificate.
 - c. Any other reason pertaining to admission of the student(s).
4. Any instructions/ directions to modify/change any condition can be issued by the University prior to 1st counseling.

CHAPTER- VIII

ONLINE ADMISSION PROCEDURE

This section provides an overview of the steps involved in admission process.

A. Online Registration

- Candidate should visit website www.uhsr.ac.in or <http://bdsuhsoa.digitaluniversity.ac>. Candidates should go through prospectus for gathering information/ instruction in details about counselling schedules and procedures. Softcopy is available on the websites www.uhsr.ac.in or <http://bdsuhsoa.digitaluniversity.ac>.
- Candidates will register themselves as per key dates mentioned in the admission schedule
- For participation in online admission process, a candidate has to register by submitting personal data/ requisite information correctly in the online application form. On submitting this data/ information user Id and password will be generated/ created for use in future logins by the candidate.
- For subsequent logins, candidates will be able to login directly with their user Id and password candidates should remember to logout at the end of their session so that the details filled in them cannot be tampered with or modified by unauthorized person.
- Candidates are advised to record/remember their password for future logins and not to disclose or share their password with anybody.
- It is the responsibility of the candidates to verify that the data /information submitted by them at the time of registration is correct and allotment of seat is liable to be cancelled if the same is found to be wrong at the time of verification of original certificates
- If the personal data submitted/ entered by the candidates are found to be wrong at the time verification of certificate either during reporting or at a later stage, the allotment of seat/provisional admission is liable to be cancelled.
- Candidates should take a print out (hard copy) of the online application form containing the above personal data for future use.

B. Payment of Registration – cum - Counseling Fee.

- Last date for payment of Registration-cum-counseling fee is as per key dates mentioned in the admission schedule.
- Please ensure that registration–cum- counseling fee during online registration is paid within stipulated time failing which the candidate would not have any claim for eligibility in counseling.

C. ADMISSION PROCESS:

- Admission Process shall be carried out through Physical Counseling on the basis of relative merit in Common Entrance Test - 2017.

D. Reporting at Allotted College/ Institute

- Candidates will produce all the relevant certificates in original including registration and counseling fee receipt for verification, a signed print out of their online application form generated from the website at the time of counselling.
- The allotment of seats to candidates who do not report within the stipulated period to the allotted college will be cancelled

CHAPTER-IX

SYLLABUS FOR VARIOUS U.G. COURSES FOR COMMON ENTRANCE EXAM FOR ACADEMIC SESSION 2017

PHYSICS

S.No.	CLASS XI	CLASS XII
1.	Physical world and measurement	Electrostatics
2.	Kinematics	Current Electricity
3.	Laws of Motion	Magnetic Effects of Current and Magnetism
4.	Work, Energy and Power	Electromagnetic Induction and Alternating Currents
5.	Motion of System of Particles and Rigid Body	Electromagnetic Waves
6.	Gravitation	Optics
7.	Properties of Bulk Matter	Dual Nature of Matter and Radiation
8.	Thermodynamics	Atoms and Nuclei
9.	Behaviour of Perfect Gas and Kinetic Theory	Electronic Devices
10.	Oscillations and Waves	

CHEMISTRY

S.No.	Class XI	Class XII
1.	Some Basic Concepts of Chemistry	Solid State
2.	Structure of Atom	Solutions
3.	Classification of Elements and Periodicity In Properties	Electrochemistry
5.	Chemical Bonding and Molecular Structure	Chemical Kinetics
6.	States of Matter Gases and Liquids	Surface Chemistry
7.	Thermodynamics	General Principles and Processes of Isolation of Elements
8.	Equilibrium	P-Block Elements
9.	Redox Reactions	d and f Block Elements
10.	Hydrogne	Coordination Compounds
11.	s-Block Element (Alkali and Alkaline earth Metal)	Haloalkanes and Haloarences
12.	Some p-Block Elements	Alcohols, Phenols and Ethers
13.	Organic Chemistry-Some Basic Principles and Techniques	Aldehydes, Ketones and Carboxylic Acids
14.	Hydrocarbons	Organic Compounds Containing Nitrogen
15.	Environmental Chemistry	Biomolecules Polymers Chemistry in everyday life

BIOLOGY

S.No.	Class XI	Class XII
1.	Diversity in living world	Reproduction
2.	Structural Organisation in Animals and Plants	Genetics and Evolution
3.	Cell Structure and function	Biology and Human welfare
4.	Plant Physiology	Biotechnology and its applications
5.	Human physiology	Ecology and environment

PHYSICS

CONTENTS CLASS XI SYLLABUS

UNIT I: Physical World and Measurement

- **Physics:** Scope and excitement; nature of physical laws; Physics, technology and society.
- **Need for measurement:** Units of measurement; systems of units; SI units, fundamental and derived units. Length, mass and time measurements; accuracy and precision of measuring instruments; errors in measurement; significant figures.
- Dimensions of physical quantities, dimensional analysis and its applications.

UNIT II: Kinematics

- Frame of reference, Motion in a straight line; Position-time graph, speed and velocity. Uniform and non-uniform motion, average speed and instantaneous velocity. Uniformly accelerated motion, velocity-time and position-time graphs, for uniformly accelerated motion (graphical treatment).
- Elementary concepts of differentiation and integration for describing motion. *Scalar and vector quantities:* Position and displacement vectors, general vectors, general vectors and notation, equality of vectors, multiplication of vectors by a real number; addition and subtraction of vectors. Relative velocity.
- Unit vectors. Resolution of a vector in a plane-rectangular components.
- Scalar and Vector products of Vectors. Motion in a plane. Cases of uniform velocity and uniform acceleration- projectile motion. Uniform circular motion.

UNIT III: Laws of Motion

- Intuitive concept of force. Inertia, Newton's first law of motion; momentum and Newton's second law of motion; impulse; Newton's third law of motion. Law of conservation of linear momentum and its applications.
- Equilibrium of concurrent forces. Static and Kinetic friction, laws of friction, rolling friction, lubrication.
- *Dynamics of uniform circular motion.* Centripetal force, examples of circular motion (vehicle on level circular road, vehicle on banked road).

UNIT IV: Work, Energy and Power

- Work done by a constant force and variable force; kinetic energy, work-energy theorem, power.
- Notion of potential energy, potential energy of a spring, conservative forces; conservation of mechanical energy (kinetic and potential energies); non-conservative forces; motion in a vertical circle, elastic and inelastic collisions in one and two dimensions.

UNIT V: Motion of System of Particles and Rigid Body

- Centre of mass of a two-particle system, momentum conservation and centre of mass motion. Centre of mass of a rigid body; centre of mass of uniform rod.
- Moment of a force, -torque, angular momentum, conservation of angular momentum with some examples.
- Equilibrium of rigid bodies, rigid body rotation and equation of rotational motion, comparison of linear and rotational motions; moment of inertia, radius of gyration. Values of M.I. for simple geometrical objects (no derivation). Statement of parallel and perpendicular axes theorems and their applications.

UNIT VI: Gravitation

- Kepler's laws of planetary motion. The universal law of gravitation. Acceleration due to gravity and its variation with altitude and depth.
- Gravitational potential energy; gravitational potential. Escape velocity, orbital velocity of a satellite. Geostationary satellites.

UNIT VII: Properties of Bulk Matter

- Elastic behavior, Stress-strain relationship. Hooke's law, Young's modulus, bulk modulus, shear, modulus of rigidity, poisson's ratio; elastic energy.
- Viscosity, Stokes' law, terminal velocity, Reynold's number, streamline and turbulent flow. Critical velocity, Bernoulli's theorem and its applications.
- Surface energy and surface tension, angle of contact, excess of pressure, application of surface tension ideas to drops, bubbles and capillary rise.
- Heat, temperature, thermal expansion; thermal expansion of solids, liquids, and gases. Anomalous expansion. Specific heat capacity: C_p , C_v - calorimetry; change of state - latent heat.
- Heat transfer- conduction and thermal conductivity, convection and radiation. Qualitative ideas of Black Body Radiation, Wein's displacement law, and Green House effect.
- Newton's law of cooling and Stefan's law.

UNIT VIII: Thermodynamics

- Thermal equilibrium and definition of temperature (zeroth law of Thermodynamics). Heat, work and internal energy. First law of thermodynamics. Isothermal and adiabatic processes.
- *Second law of the thermodynamics:* Reversible and irreversible processes. Heat engines and refrigerators.

UNIT IX: Behaviour of Perfect Gas and Kinetic Theory

- Equation of state of a perfect gas, work done on compressing a gas.
- *Kinetic theory of gases*: Assumptions, concept of pressure. Kinetic energy and temperature; degrees of freedom, law of equipartition of energy (statement only) and application to specific heat capacities of gases; concept of mean free path.

UNIT X: Oscillations and Waves

- Periodic motion-period, frequency, displacement as a function of time. Periodic functions. Simple harmonic motion(SHM) and its equation; phase; oscillations of a spring-restoring force and force constant; energy in SHM -Kinetic and potential energies; simple pendulum-derivation of expression for its time period; free, forced and damped oscillations (qualitative ideas only), resonance.
- Wave motion. Longitudinal and transverse waves, speed of wave motion. Displacement relation for a progressive wave. Principle of superposition of waves, reflection of waves, standing waves in strings and organ pipes, fundamental mode and harmonics. Beats. Doppler effect.

CONTENTS OF CLASS XII SYLLABUS

UNIT I: Electrostatics

- Electric charges and their conservation. Coulomb's law-force between two point charges, forces between multiple charges; superposition principle and continuous charge distribution.
- Electric field, electric field due to a point charge, electric field lines; electric dipole, electric field due to a dipole; torque on a dipole in a uniform electric field.
- Electric flux, statement of Gauss's theorem and its applications to find field due to infinitely long straight wire, uniformly charged infinite plane sheet and uniformly charged thin spherical shell (field inside and outside)
- Electric potential, potential difference, electric potential due to a point charge, a dipole and system of charges: equipotential surfaces, electrical potential energy of a system of two point charges and of electric dipoles in an electrostatic field.
- Conductors and insulators, free charges and bound charges inside a conductor. Dielectrics and electric polarization, capacitors and capacitance, combination of capacitors in series and in parallel, capacitance of a parallel plate capacitor with and without dielectric medium between the plates, energy stored in a capacitor, Van de Graaff generator.

UNIT II: Current Electricity

- Electric current, flow of electric charges in a metallic conductor, drift velocity and mobility, and their relation with electric current; Ohm's law, electrical resistance, $V-I$ characteristics (linear and non-linear), electrical energy and power, electrical resistivity and conductivity.
- Carbon resistors, colour code for carbon resistors; series and parallel combinations of resistors; temperature dependence of resistance.
- Internal resistance of a cell, potential difference and emf of a cell, combination of cells in series and in parallel.
- Kirchhoff's laws and simple applications. Wheatstone bridge, metre bridge.
- Potentiometer-principle and applications to measure potential difference, and for comparing emf of two cells; measurement of internal resistance of a cell.

UNIT III: Magnetic Effects of Current and Magnetism

- Concept of magnetic field, Oersted's experiment. Biot-Savart law and its application to current carrying circular loop.
- Ampere's law and its applications to infinitely long straight wire, straight and toroidal solenoids. Force on a moving charge in uniform magnetic and electric fields. Cyclotron.
- Force on a current-carrying conductor in a uniform magnetic field. Force between two parallel current-carrying conductors-definition of ampere. Torque experienced by a current loop in a magnetic field; moving coil galvanometer-its current sensitivity and conversion to ammeter and voltmeter.
- Current loop as a magnetic dipole and its magnetic dipole moment. Magnetic dipole moment of a revolving electron. Magnetic field intensity due to a magnetic dipole (bar magnet) along its axis and perpendicular to its axis. Torque on a magnetic dipole (bar magnet) in a uniform magnetic field; bar magnet as an equivalent solenoid, magnetic field lines; Earth's magnetic field and magnetic elements.
- Para-, dia- and ferro-magnetic substances, with examples.
- Electromagnetic and factors affecting their strengths. Permanent magnets.

UNIT IV: Electromagnetic Induction and Alternating Currents

- Electromagnetic induction; Faraday's law, induced emf and current; Lenz's Law, Eddy currents. Self and mutual inductance.
- Alternating currents, peak and rms value of alternating current/ voltage; reactance and impedance; LC oscillations (qualitative treatment only), LCR series circuit, resonance; power in AC circuits, wattless current.

- AC generator and transformer.

UNIT V: Electromagnetic Waves

- Need for displacement current.
- Electromagnetic waves and their characteristics (qualitative ideas only). Transverse nature of electromagnetic waves.
- Electromagnetic spectrum (radio waves, microwaves, infrared, visible, ultraviolet, x-rays, gamma rays) including elementary facts about their uses.

UNIT VI: Optics

- Reflection of light, spherical mirrors, mirror formula. Refraction of light, total internal reflection and its applications optical fibres, refraction at spherical surfaces, lenses, thin lens formula, lens-maker's formula. Magnification, power of a lens, combination of thin lenses in contact combination of a lens and a mirror. Refraction and dispersion of light through a prism.
- Scattering of light- blue colour of the sky and reddish appearance of the sun at sunrise and sunset.
- *Optical instruments*: Human eye, image formation and accommodation, correction of eye defects (myopia and hypermetropia) using lenses.
- Microscopes and astronomical telescopes (reflecting and refracting) and their magnifying powers.
- *Wave optics*: Wavefront and Huygens' principle, reflection and refraction of plane wave at a plane surface using wavefronts.
- Proof of laws of reflection and refraction using Huygens' principle.
- Interference, Young's double hole experiment and expression for fringe width, coherent sources and sustained interference of light.
- Diffraction due to a single slit, width of central maximum.
- Resolving power of microscopes and astronomical telescopes. Polarisation, plane polarized light; Brewster's law, uses of plane polarized light and Polaroids.

UNIT VII: Dual Nature of Matter and Radiation

- Photoelectric effect, Hertz and Lenard's observations; Einstein's photoelectric equation- particle nature of light.
- Matter waves- wave nature of particles, de Broglie relation. Davisson-Germer experiment (experimental details should be omitted; only conclusion should be explained).

UNIT VIII: Atoms and Nuclei

- Alpha- particle scattering experiments; Rutherford's model of atom; Bohr model, energy levels, hydrogen spectrum. Composition and size of nucleus, atomic masses, isotopes, isobars; isotones.
- Radioactivity- alpha, beta and gamma particles/ rays and their properties decay law. Mass-energy relation, mass defect; binding energy per nucleon and its variation with mass number, nuclear fission and fusion.

UNIT IX: Electronic Devices

- Energy bands in solids (qualitative ideas only), conductors, insulators and semiconductors; semiconductor diode- *I-V* characteristics in forward and reverse bias, diode as a rectifier; *I-V* characteristics of LED, photodiode, solar cell, and Zener diode; Zener diode as a voltage regulator. Junction transistor, transistor action, characteristics of a transistor; transistor as an amplifier (common emitter configuration) and oscillator. Logic gates (OR, AND, NOT, NAND and NOR). Transistor as a switch.

CHEMISTRY

CONTENTS OF CLASS XI SYLLABUS

UNIT I: Some Basic Concepts of Chemistry

- *General Introduction*: Important and scope of chemistry.
- Laws of chemical combination, *Dalton's atomic theory*: concept of elements, atoms and molecules.
- Atomic and molecular masses. Mole concept and molar mass; percentage composition and empirical and molecular formula; chemical reactions, stoichiometry and calculations based on stoichiometry.

UNIT II: Structure of Atom

- Atomic number, isotopes and isobars. Concept of shells and subshells, dual nature of matter and light, de Broglie's relationship, Heisenberg uncertainty principle, concept of orbital, quantum numbers, shapes of s, p and d orbitals, rules for filling electrons in orbitals- Aufbau principle, Pauli exclusion principles and Hund's rule, electronic configuration of atoms, stability of half filled and completely filled orbitals.

UNIT III: Classification of Elements and Periodicity in Properties

- Modern periodic law and long form of periodic table, periodic trends in properties of elements- atomic radii, ionic radii, ionization enthalpy, electron gain enthalpy, electronegativity, valence.

UNIT IV: Chemical Bonding and Molecular Structure

- Valence electrons, ionic bond, covalent bond, bond parameters, Lewis structure, polar character of covalent bond, valence bond theory, resonance, geometry of molecules, VSEPR theory, concept of hybridization involving s, p and d orbitals and shapes of some simple molecules, molecular orbital theory of homonuclear diatomic molecules (qualitative idea only). Hydrogen bond.

UNIT V: States of Matter: Gases and Liquids

- Three states of matter, intermolecular interactions, types of bonding, melting and boiling points, role of gas laws of elucidating the concept of the molecule, Boyle's law, Charles's law, Gay

Lussac's law, Avogadro's law, ideal behaviour of gases, empirical derivation of gas equation. Avogadro number, ideal gas equation. Kinetic energy and molecular speeds (elementary idea), deviation from ideal behaviour, liquefaction of gases, critical temperature.

- Liquid State- Vapour pressure, viscosity and surface tension (qualitative idea only, no mathematical derivations).

UNIT VI : Thermodynamics

- First law of thermodynamics-internal energy and enthalpy, heat capacity and specific heat, measurement of U and H, Hess's law of constant heat summation, enthalpy of : bond dissociation, combustion, formation, atomization, sublimation, phase transition, ionization, solution and dilution.
- Introduction of entropy as state function, Second law of thermodynamics, Gibbs energy change for spontaneous and non-spontaneous process, criteria for equilibrium and spontaneity.
- Third law of thermodynamics- Brief introduction.

UNIT VII: Equilibrium

- Equilibrium in physical and chemical processes, dynamic nature of equilibrium, law of chemical equilibrium, equilibrium constant, factors affecting equilibrium-Le Chatelier's principle; ionic equilibrium- ionization of acids and bases, strong and weak electrolytes, degree of ionization, ionization of polybasic acids, acid strength, concept of pH., Hydrolysis of salts (elementary idea)., buffer solutions, Henderson equation, solubility product, common ion effect (with illustrative examples).

UNIT VIII: Redox Reactions

- Concept of oxidation and reduction, redox reactions oxidation number, balancing redox reactions in terms of loss and gain of electron and change in oxidation numbers.

UNIT IX: Hydrogen

- Occurrence, isotopes, preparation, properties and uses of hydrogen; hydrides-ionic, covalent and interstitial; physical and chemical properties of water, heavy water; hydrogen peroxide-preparation, reactions, uses and structure;

UNIT X: s-Block Elements (Alkali and Alkaline earth metals)

- *Group 1 and group 2 elements:*
- General introduction, electronic configuration, occurrence, anomalous properties of the first element of each group, diagonal relationship, trends in the variation of properties (such as ionization enthalpy, atomic and ionic radii), trends in chemical reactivity with oxygen, water, hydrogen and halogens; uses.
- Preparation and Properties of Some important Compounds:
- Sodium carbonate, sodium chloride, sodium hydroxide and sodium hydrogencarbonate, biological importance of sodium and potassium.
- Industrial use of lime and limestone, biological importance of Mg and Ca.

UNIT XI: Some p-Block Elements

- General Introduction to p-Block Elements.
- *Group 13 elements:* General introduction, electronic configuration, occurrence, variation of properties, oxidation states, trends in chemical reactivity, anomalous properties of first element of the group; Boron, some important compounds: borax, boric acids, boron hydrides. Aluminium: uses, reactions with acids and alkalies.
- *General 14 elements:* General introduction, electronic configuration, occurrence, variation of properties, oxidation states, trends in chemical reactivity, anomalous behaviour of first element. Carbon, allotropic forms, physical and chemical properties: uses of some important compounds: oxides.
- Important compounds of silicon and a few uses: silicon tetrachloride, silicones, silicates and zeolites, their uses.

UNIT XII: Organic Chemistry- Some Basic Principles and Techniques

- General introduction, methods of purification qualitative and quantitative analysis, classification and IUPAC nomenclature of organic compounds.
- Electronic displacements in a covalent bond: inductive effect, electromeric effect, resonance and hyper conjugation.
- Homolytic and heterolytic fission of a covalent bond: free radicals, carbocations, carbanions; electrophiles and nucleophiles, types of organic reactions.

UNIT XIII: Hydrocarbons

- *Alkanes-* Nomenclature, isomerism, conformations (ethane only), physical properties, chemical reactions including free radical mechanism of halogenation, combustion and pyrolysis.
- *Alkenes-* Nomenclature, structure of double bond (ethene), geometrical isomerism, physical properties, methods of preparation: chemical reactions: addition of hydrogen, halogen, water, hydrogen halides (Markovnikov's addition and peroxide effect), ozonolysis, oxidation, mechanism of electrophilic addition.
- *Alkynes-* Nomenclature, structure of triple bond (ethyne), physical properties, methods of preparation, chemical reactions: acidic character of alkynes, addition reaction of- hydrogen, halogens, hydrogen halides and water.
- *Aromatic hydrocarbons-* Introduction, IUPAC nomenclature; Benzene; resonance, aromaticity; chemical properties: mechanism of electrophilic substitution- Nitration sulphonation, halogenation, Friedel Craft's alkylation and acylation; directive influence of functional group in

mono-substituted benzene; carcinogenicity and toxicity.

UNIT XIV: Environmental Chemistry

- *Environmental pollution:* Air, water and soil pollution, chemical reactions in atmosphere, smogs, major atmospheric pollutants; acid rain ozone and its reactions, effects of depletion of ozone layer, greenhouse effect and global warming- pollution due to industrial wastes; green chemistry as an alternative tool for reducing pollution, strategy for control of environmental pollution.

CONTENTS OF CLASS XII SYLLABUS

UNIT I: Solid State

- Classification of solids based on different binding forces; molecular, ionic covalent and metallic solids, amorphous and crystalline solids (elementary idea), unit cell in two dimensional and three dimensional lattices, calculation of density of unit cell, packing in solids, packing efficiency, voids, number of atoms per unit cell in a cubic unit cell, point defects, electrical and magnetic properties, Band theory of metals, conductors, semiconductors and insulators.

UNIT II: Solutions

- Types of solutions, expression of concentration of solutions of solids in liquids, solubility of gases in liquids, solid solutions, colligative properties- relative lowering of vapour pressure, Raoult's law, elevation of boiling point, depression of freezing point, osmotic pressure, determination of molecular masses using colligative properties abnormal molecular mass. Van Hoff factor.

UNIT III: Electrochemistry

- Redox reactions, conductance in electrolytic solutions, specific and molar conductivity variation of conductivity with concentration, Kohlrausch's Law, electrolysis and Laws of electrolysis (elementary idea), dry cell- electrolytic cells and Galvanic cells; lead accumulator, EMF of a cell, standard electrode potential, Relation between Gibbs energy change and EMF of a cell, fuel cells; corrosion.

UNIT IV: Chemical Kinetics

- Rate of a reaction (average and instantaneous), factors affecting rates of reaction; concentration, temperature, catalyst; order and molecularity of a reaction; rate law and specific rate constant, integrated rate equations and half life (only for zero and first order reactions); concept of collision theory (elementary idea, no mathematical treatment). Activation energy, Arrhenius equation.

UNIT V: Surface Chemistry

- *Adsorption*- physisorption and chemisorption; factors affecting adsorption of gases on solids, catalysis homogeneous and heterogeneous, activity and selectivity: enzyme catalysis; colloidal state: distinction between true solutions, colloids and suspensions; lyophilic, lyophobic multimolecular and macromolecular colloids; properties of colloids; Tyndall effect, Brownian movement, electrophoresis, coagulation; emulsions- types of emulsions.

UNIT VI: General Principles and Processes of Isolation of Elements

- *Principles and methods of extraction*- concentration, oxidation, reduction electrolytic method and refining; occurrence and principles of extraction of aluminium, copper, zinc and iron.

UNIT VII: p- Block Elements

- *Group 15 elements:* General introduction, electronic configuration, occurrence, oxidation states, trends in physical and chemical properties; preparation and properties of ammonia and nitric acid, oxides of nitrogen (structure only); Phosphorous- allotropic forms; compounds of phosphorous: preparation and properties of phosphine, halides (PCl_3 , PCl_5) and oxoacids (elementary idea only).
- *Group 16 elements:* General introduction, electronic configuration, oxidation states, occurrence, trends in physical and chemical properties; dioxygen: preparation, properties and uses; classification of oxides; ozone. Sulphur - allotropic forms; compounds of sulphur: preparation, preparation, properties and uses of sulphur dioxide; sulphuric acid: industrial process of manufacture, properties and uses, oxoacids of sulphur (structures only).
- *Group 17 elements:* General introduction, electronic configuration, oxidation states, occurrence, trends in physical and chemical properties; compounds of halogens: preparation, properties and uses of chlorine and hydrochloric acid, interhalogen compounds oxoacids of halogens (structures only).
- *Group 18 elements:* General introduction, electronic configuration, occurrence, trends in physical and chemical properties, uses.

UNIT VIII: d and f Block Elements

- General introduction, electronic configuration, characteristics of transition metals, general trends in properties of the first row transition metals- metallic character, ionization enthalpy, oxidation states, ionic radii, colour, catalytic property, magnetic properties, interstitial compounds, alloy formation. Preparation and properties of $\text{K}_2\text{Cr}_2\text{O}_7$ and KMnO_4 .
- *Lanthanoids*- electronic configuration, oxidation states, chemical reactivity, and lanthanoid contraction and its consequences.
- *Actinoids*: Electronic configuration, oxidation states and comparison with lanthanoids.

UNIT IX: Coordination Compounds

- *Coordination compounds*: Introduction, ligands, coordination number, colour, magnetic properties and shapes, IUPAC nomenclature of mononuclear coordination compounds, isomerism (structural and stereo) bonding, Werner's theory VBT, CFT; importance of coordination compounds (in qualitative analysis, biological systems).

UNIT X: Haloalkanes and Haloarenes

- *Haloalkanes*: Nomenclature, nature of C-X bond, physical and chemical properties, mechanism of substitution reactions. Optical rotation.
- *Haloarenes*: Nature of C-X bond, substitution reactions (directive influence of halogen for monosubstituted compounds only).
- Uses and environment effects of - dichloromethane, trichloromethane, tetrachloromethane, iodoform, freons, DDT.

UNIT XI: Alcohols, Phenols and Ethers

- *Alcohols*: Nomenclature, methods of preparation, physical and chemical properties (of primary alcohols only); identification of primary, secondary and tertiary alcohols; mechanism of dehydration, uses with special reference to methanol and ethanol.
- *Phenols*: Nomenclature, methods of preparation, physical and chemical properties, acidic nature of phenol, electrophilic substitution reactions, uses of phenols.
- *Ethers*: Nomenclature, methods of preparation, physical and chemical properties uses.

UNIT XII: Aldehydes, Ketones and Carboxylic Acids

- *Aldehydes and Ketones*: Nomenclature, nature of carbonyl group, methods of preparation, physical and chemical properties; and mechanism of nucleophilic addition, reactivity of alpha hydrogen in aldehydes; uses.
- *Carboxylic Acids*: Nomenclature, acidic nature, methods of preparation, physical and chemical properties; uses.

UNIT XIII: Organic Compounds Containing Nitrogen

- *Amines*: Nomenclature, classification, structure, methods of preparation, physical and chemical properties, uses, identification of primary secondary and tertiary amines.
- *Cyanides and Isocyanides*- will be mentioned at relevant places.
- *Diazonium salts*: Preparation, chemical reactions and importance in synthetic organic chemistry.

UNIT XIV: Biomolecules

- *Carbohydrates*- Classification (aldoses and ketoses), monosaccharide (glucose and fructose), D.L. configuration, oligosaccharides (sucrose, lactose, maltose), polysaccharides (starch, cellulose, glycogen): importance.
- *Proteins*- Elementary idea of - amino acids, peptide bond, polypeptides, proteins, primary structure, secondary structure, tertiary structure and quaternary structure (qualitative idea only), denaturation of proteins; enzymes.
- **Hormones- Elementary idea (excluding structure).**
- *Vitamins*- Classification and function.
- *Nucleic Acids*: DNA and RNA

UNIT XV: Polymers

- *Classification*- Natural and synthetic, methods of polymerization (addition and condensation), copolymerization. Some important polymers: natural and synthetic like polyesters, bakelite; rubber, Biodegradable and non-biodegradable polymers.

UNIT XVI: Chemistry in Everyday Life

- Chemicals in medicines- analgesics, tranquilizers, antiseptics, disinfectants, antimicrobials, antifertility drugs, antibiotics, antacids, antihistamines.
- Chemicals in food- preservatives, artificial sweetening agents, **elementary idea of antioxidants.**
- Cleansing agents- soaps and detergents, cleansing action.

BIOLOGY

CONTENTS OF CLASS XI SYLLABUS

UNIT I: Diversity in Living World

- What is living? ; Biodiversity; Need for classification; Three domains of life; Taxonomy & Systematics; Concept of species and taxonomical hierarchy; Binomial nomenclature; Tools for study of Taxonomy - Museums, Zoos, Herbaria, Botanical gardens.
- Five kingdom classification; salient features and classification of Monera; Protista and Fungi into major groups; Lichens; Viruses and Viroids.
- Salient features and classification of plants into major groups-Algae, Bryophytes, Pteridophytes, Gymnosperms and Angiosperms (three to five salient and distinguishing features and at least two examples of each category); Angiosperms- classification up to class, characteristic features and examples).
- Salient features and classification of animals-nonchordate up to phyla level and chordate up to classes level (three to five salient features and at least two examples).

UNIT II: Structural Organisation in Animals and Plants

- Morphology and modifications; Tissues; Anatomy and functions of different parts of flowering plants: Root, stem, leaf, inflorescence- cymose and racemose, flower, fruit and seed (To be dealt along with the relevant practical of the Practical Syllabus).
- Animal tissues; Morphology, anatomy and functions of different systems (digestive, circulatory,

respiratory, nervous and reproductive) of an insect (cockroach). (Brief account only)

UNIT III: Cell Structure and Function

- Cell theory and cell as the basic unit of life; Structure of prokaryotic and eukaryotic cell; Plant cell and animal cell; Cell envelope, cell membrane, cell wall; Cell organelles-structure and function; Endomembrane system-endoplasmic reticulum, Golgi bodies, lysosomes, vacuoles; mitochondria, ribosomes, plastids, micro bodies; Cytoskeleton, cilia, flagella, centrioles (ultra structure and function); Nucleus-nuclear membrane, chromatin, nucleolus.
- Chemical constituents of living cells: Biomolecules-structure and function of proteins, carbohydrates, lipids, nucleic acids;
Enzymes-types, properties, enzyme action.
- B Cell division: Cell cycle, mitosis, meiosis and their significance.

UNIT IV: Plant Physiology

- Transport in plants: Movement of water, gases and nutrients; Cell to cell transport-Diffusion, facilitated diffusion, active transport; Plant - water relations - Imbibition, water potential, osmosis, plasmolysis; Long distance transport of water - Absorption, apoplast, symplast, transpiration pull, root pressure and guttation; Transpiration-Opening and closing of stomata; Uptake and translocation of mineral nutrients-Transport of food, phloem transport, Mass flow hypothesis; Diffusion of gases (brief mention).
- Mineral nutrition: Essential minerals, macro and micronutrients and their role; Deficiency symptoms; Mineral toxicity; Elementary idea of Hydroponics as a method to study mineral nutrition; Nitrogen metabolism-Nitrogen cycle, biological nitrogen fixation.
- Photosynthesis: Photosynthesis as a means of Autotrophic nutrition; Site of photosynthesis take place; pigments involved in Photosynthesis (Elementary idea); Photochemical and biosynthetic phases of photosynthesis; Cyclic and non cyclic and photophosphorylation; Chemiosmotic hypothesis; Photorespiration C3 and C4 pathways; Factors affecting photosynthesis.
- Respiration: Exchange gases; Cellular respiration-glycolysis, fermentation (anaerobic), TCA cycle and electron transport system (aerobic); Energy relations-Number of ATP molecules generated; Amphibolic pathways; Respiratory quotient.
- Plant growth and development: Seed germination; Phases of Plant growth and plant growth rate; Conditions of growth; Differentiation, dedifferentiation and redifferentiation; Sequence of developmental process in a plant cell; Growth regulators-auxin, gibberellin, cytokinin, ethylene, ABA; Seed dormancy; Vernalisation; Photoperiodism.

UNIT IV: Human Physiology

- Digestion and absorption; Alimentary canal and digestive glands; Role of digestive enzymes and gastrointestinal hormones; Peristalsis, digestion, absorption and assimilation of proteins, carbohydrates and fats; Caloric value of proteins, carbohydrates and fats; Egestion; Nutritional and digestive disorders - PEM, indigestion, constipation, vomiting, jaundice, diarrhea.
- Breathing and Respiration: Respiratory organs in animals (recall only); Respiratory system in humans; Mechanism of breathing and its regulation in humans-Exchange of gases, transport of gases and regulation of respiration Respiratory volumes; Disorders related to respiration- Asthma, Emphysema, Occupational respiratory disorders.
- Body fluids and circulation: Composition of blood, blood groups, coagulation of blood; Composition of lymph and its function; Human circulatory system-Structure of human heart and blood vessels; Cardiac cycle, cardiac output, ECG, Double circulation; Regulation of cardiac activity; Disorders of circulatory system-Hypertension, Coronary artery disease, Angina pectoris, Heart failure.
- Excretory products and their elimination: Modes of excretion- Ammonotelism, ureotelism, uricotelism; Human excretory system-structure and function; Urine formation, Osmoregulation; Regulation of kidney function-Renin-angiotensin, Atrial Natriuretic Factor, ADH and Diabetes insipidus; Role of other organs in excretion; Disorders; Uraemia, Renal failure, Renal calculi, Nephritis; Dialysis and artificial kidney.
- Locomotion and Movement: Types of movement- ciliary, flagellar, muscular; Skeletal muscle- contractile proteins and muscle contraction; Skeletal system and its functions (To be dealt with the relevant practical of Practical syllabus); Joints; Disorders of muscular and skeletal system- Myasthenia gravis, Tetany, Muscular dystrophy, Arthritis, Osteoporosis, Gout.
- Neural control and coordination: Neuron and nerves; Nervous system in humans- central nervous system, peripheral nervous system and visceral nervous system; Generation and conduction of nerve impulse; Reflex action; Sense organs; Elementary structure and function of eye and ear.
- Chemical coordination and regulation: Endocrine glands and hormones; Human endocrine system-Hypothalamus, Pituitary, Pineal, Thyroid, Parathyroid, Adrenal, Pancreas, Gonads; Mechanism of hormone action (Elementary Idea); Role of hormones as messengers and regulators, Hypo- and hyperactivity and related disorders (Common disorders e.g. Dwarfism, Acromegaly, Cretinism, goiter, exophthalmic goiter, diabetes, Addison's disease).

(Imp: Diseases and disorders mentioned above to be dealt in brief.)

CONTENTS OF CLASS XII SYLLABUS

UNIT I: Reproduction

- Reproduction in organisms: Reproduction, a characteristic feature of all organisms for continuation of species; Modes of reproduction - Asexual and sexual; Asexual reproduction; Modes-Binary fission, sporulation, budding, gemmule, fragmentation; vegetative propagation in plants.
- Sexual reproduction in flowering plants: Flower structure; Development of male and female gametophytes; Pollination- types, agencies and examples; Outbreeding devices; Pollen-Pistil interaction; Double fertilization; Post fertilization events- Development of endosperm and embryo, Development of seed and formation of fruit; Special modes-apomixis, parthenocarpy, polyembryony; Significance of seed and fruit formation.
- Human Reproduction: Male and female reproductive systems; Microscopic anatomy of testis and ovary; Gametogenesis- spermatogenesis & oogenesis; Menstrual cycle; Fertilisation, embryo development upto blastocyst formation, implantation; Pregnancy and placenta formation (Elementary idea); Parturition (Elementary idea); Lactation (Elementary idea).
- Reproductive health: Need for reproductive health and prevention of sexually transmitted diseases (STD); Birth control- Need and Methods, Contraception and Medical Termination of Pregnancy (MTP); Amniocentesis; Infertility and assisted reproductive technologies - IVF, ZIFT, GIFT (Elementary idea for general awareness).

NIT II: Genetics and Evolution

- Heredity and variation: Mendelian Inheritance; Deviations from Mendelism-Incomplete dominance, Co-dominance, Multiple alleles and Inheritance of blood groups, Pleiotropy; Elementary idea of polygenic inheritance; Chromosome theory of inheritance; Chromosomes and genes; Sex determination-In humans, birds, honey bee; Linkage and crossing over; Sex linked inheritance-Haemophilia, Colour blindness; Mendelian disorders in humans- Thalassemia; Chromosomal disorders in humans; Down's syndrome, Turner's and Klinefelter's syndromes.
- Molecular basis of Inheritance: Search for genetic material and DNA as genetic material; Structure of DNA and RNA; DNA packaging; DNA replication; Central dogma; Transcription, genetic code, translation; Gene expression and regulation-Lac Operon; Genome and human genome project; DNA finger printing.
- Evolution: Origin of life; Biological evolution and evidences for biological evolution from Paleontology, comparative anatomy, embryology and molecular evidence); Darwin's contribution, Modern Synthetic theory of Evolution; Mechanism of evolution-Variation (Mutation and Recombination) and Natural Selection with examples, types of natural selection; Gene flow and genetic drift; Hardy-Weinberg's principle; Adaptive Radiation; Human evolution.

UNIT III: Biology and Human Welfare

- Health and Disease; Pathogens; parasites causing human diseases (Malaria, Filariasis, Ascariasis. Typhoid, Pneumonia, common cold, amoebiasis, ring worm); Basic concepts of immunology-vaccines; Cancer, HIV and AIDS; Adolescence, drug and alcohol abuse.
- Improvement in food production; Plant breeding, tissue culture, single cell protein, Biofortification; Apiculture and Animal husbandry.
- Microbes in human welfare: In household food processing, industrial production, sewage treatment, energy generation and as biocontrol agents and biofertilizers.

UNIT IV: Biotechnology and Its Applications

- Principles and process of Biotechnology: Genetic engineering (Recombinant DNA technology).
- Application of Biotechnology in health and agriculture: Human insulin and vaccine production, gene therapy; Genetically modified organisms-Bt crops; Transgenic Animals; Biosafety issues-Biopiracy and patents.

UNIT V: Ecology and environment

- Organisms and environment: Habitat and niche; Population and ecological adaptations; Population interactions-mutualism, competition, predation, parasitism; Population attributes-growth, birth rate and death rate, age distribution.
- Ecosystem: Patterns, components; productivity and decomposition; Energy flow; Pyramids of number, biomass, energy; Nutrient cycling (carbon and phosphorous); Ecological succession; Ecological Services-Carbon fixation, pollination, oxygen release.
- Biodiversity and its conservation: Concept of Biodiversity; Patterns of Biodiversity; Importance of Biodiversity; Loss of Biodiversity; Biodiversity conservation; Hotspots, endangered organisms, extinction, Red Data Book, biosphere reserves, National parks and sanctuaries.
- Environmental issues: Air pollution and its control; Water pollution and its control; Agrochemicals and their effects; Solid waste management; Radioactive waste management; Greenhouse effect and global warning; Ozone depletion; Deforestation; Any three case studies as success stories addressing environmental issues.

MATHEMATICS

- 1. Sets, Relations and Functions** Sets and their Representations, Union, intersection and complements of sets, and their algebraic properties, Relations, equivalence relations, mappings, one-one, into and onto mappings, composition of mappings.
- 2. Complex Numbers** Complex numbers in the form $a+ib$ and their representation in a plane. Argand diagram. Algebra of complex numbers, Modulus and Argument (or amplitude) of a complex number, square root of a complex number. Cube roots of unity, triangle inequality.
- 3. Matrices and Determinants** Determinants and matrices of order two and three, properties of determinants, Evaluation of determinants. Area of triangles using determinants, Addition and multiplication of matrices, adjoint and inverse of matrix. Test of consistency and solution of simultaneous linear equations using determinants and matrices
- 4. Quadratic Equations** Quadratic equations in real and complex number system and their solutions. Relation between roots and co-efficients, nature of roots, formation of quadratic equations with given roots; Symmetric functions of roots, equations reducible to quadratic equations – application to practical problems
- 5. Permutations and Combinations** Fundamental principle of counting; Permutation as an arrangement and combination as selection, Meaning of $P(n,r)$ and $C(n,r)$. Simple applications.
- 6. Mathematical Induction and Its applications**
- 7. Binomial Theorem and its Applications** Binomial Theorem for a positive integral index; general term and middle term; Binomial Theorem for any index. Properties of Binomial Co-efficients. Simple applications for approximations.
- 8. Sequences and Series** Arithmetic, Geometric and Harmonic progressions. Insertion of Arithmetic Geometric and Harmonic means between two given numbers. Relation between A.M., G.M. and H.M. Special series: S_n , S_{n^2} , S_{n^3} . Arithmetico-Geometric Series, Exponential and Logarithmic series.
- 9. Differential Calculus** Polynomials, rational, trigonometric, logarithmic and exponential functions, Inverse functions. Graphs of simple functions. Limits, Continuity; differentiation of the sum, difference, product and quotient of two functions. differentiation of trigonometric, inverse trigonometric, logarithmic, exponential, composite and implicit functions; derivatives of order upto two. Applications of derivatives: Rate of change of quantities, monotonic - increasing and decreasing functions, Maxima and minima of functions of one variable, tangents and normals, Rolle's and Lagrange's Mean Value Theorems.
- 10. Integral Calculus** Integral as an anti-derivative. Fundamental integrals involving algebraic, trigonometric, exponential and logarithmic functions. Integration by substitution, by parts and by partial fractions. Integration using trigonometric identities. Integral as limit of a sum. Properties of definite integrals. Evaluation of definite integrals; Determining areas of the regions bounded by simple curves
- 11. Differential Equations** Ordinary differential equations, their order and degree. Formation of differential equations. Solution of differential equations by the method of separation of variables. Solution of homogeneous and linear differential equations, and those of the type $d^2y/dx^2 = f(x)$
- 12. Two dimensional Geometry** Recall of Cartesian system of rectangular co-ordinates in a plane, distance formula, area of a triangle, condition for the collinearity of three points and section formula, centroid and in-centre of a triangle, locus and its equation, translation of axes, slope of a line, parallel and perpendicular lines, intercepts of a line on the coordinate axes.

The straight line and pair of straight lines various forms of equations of a line, intersection of lines, angles between two lines, conditions for concurrence of three lines, distance of a point from a line Equations of internal and external bisectors of angles between two lines, coordinates of centroid, orthocentre and circumcentre of a triangle, equation of family of lines passing through the point of intersection of two lines, homogeneous equation of second degree in x and y , angle between pair of lines through the origin, combined equation of the bisectors of the angles between a pair of lines, condition for the general second degree equation to represent a pair of lines, point of intersection and angle between two lines.

Circles and Family of Circles Standard form of equation of a circle, general form of the equation of a circle, its radius and centre, equation of a circle in the parametric form, equation of a circle when the end points of a diameter are given, points of intersection of a line and a circle with the centre at the origin and condition for a line to be tangent to the circle, length of the tangent, equation of the tangent, equation of a family of circles through the intersection of two circles, condition for two intersecting circles to be orthogonal.

Conic Sections Sections of cones, equations of conic sections (parabola, ellipse and hyperbola) in standard forms, condition for $y = mx + c$ to be a tangent and point(s) of tangency.

- 13. Three Dimensional Geometry** Coordinates of a point in space, distance between two points; Section formula, direction ratios and direction cosines, angle between two intersecting lines. Skew lines, the shortest distance between them and its equation.

- Equations of a line and a plane in different forms; intersection of a line and a plane, coplanar lines, equation of a sphere, its centre and radius. Diameter form of the equation of a sphere.
- 14. Vector Algebra** Vectors and Scalars, addition of vectors, components of a vector in two dimensions and three dimensional space, scalar and vector products, scalar and vector triple product. Application of vectors to plane geometry.
 - 15. Measures of Central Tendency and Dispersion** Calculation of Mean, median and mode of grouped and ungrouped data. Calculation of standard deviation, variance and mean deviation for grouped and ungrouped data.
 - 16. Probability** Probability of an event, addition and multiplication theorems of probability and their applications; Conditional probability; Bayes' Theorem, Probability distribution of a random variate; Binomial and Poisson distributions and their properties.
 - 17. Trigonometry** Trigonometrical identities and equations. Inverse trigonometric functions and their properties. Properties of triangles, including centroid, incentre, circum- centre and orthocentre, solution of triangles. Heights and Distances
 - 18. Statics** Introduction, basic concepts and basic laws of mechanics, force, resultant of forces acting at a point, parallelogram law of forces, resolved parts of a force, Equilibrium of a particle under three concurrent forces, triangle law of forces and its converse, Lami's theorem and its converse, Two parallel forces, like and unlike parallel forces, couple and its moment.
 - 19. Dynamics** Speed and velocity, average speed, instantaneous speed, acceleration and retardation, resultant of two velocities. Motion of a particle along a line, moving with constant acceleration. Motion under gravity. Laws of motion, Projectile motion.

CHAPTER-X

FEES STRUCTURE & OTHER DUES (PER ANNUM)-(2017)

B.A.M.S. (Shri Krishna Govt. Ayurvedic College, Kurukshetra)

Fee Structure	Amount
Tution Fees	12852/-

B.A.M.S. (MSM Institute of Ayurveda, Khanpur Kalan, Sonapat)

Fee Structure	Amount
Tution Fees	67500/-

B.SC. COLLEGE OF NURSING, PT. B.D. SHARMA PGIMS, ROHTAK

Sr. No.	Name of Dues	B.Sc. Nursing
	Fee Structure	
1.	Tution Fees	Rs.12,000/-
2.	Security refundable	Rs.1,500/-
	Total-A	Rs.13,500/-
1.	Registration-cum- Enrolment fees(only payable by new student)	Rs.1,000/-
2.	Sports Fees	Rs. 50/-
3.	Youth Welfare fee	Rs. 500/-
4.	Dr. Radha Krishan fund	Rs. 100/-
5.	Development Fund	Rs.1000/-
6.	NSS Fund	Rs. 10/-
7.	Holiday Home Fees	Rs. 10/-
8.	Youth Red Cross subscription/fee	Rs. 65/-
	Total-B	Rs. 2,735/-.
	Grand Total (A+B)	Rs. 16,235/-

Note:

1. Migration fee of Rs. 100/- will be charged from the student of any other Univeristy or from a Board of Education (other than the Board of School of Education, Haryana).

Hostel Fee:

No room rent will be charges.

Electricity Charges : Rs. 9000/- P.A.

However, extra charges will have to be paid for extra electrical appliances.

Note : Hostel accommodation is compulsory for all the Nursing Students.

B.Sc. Optometry/B.Sc. in Medical Technology Operation Theatre/ B.Sc. in Medical Lab. Technology(MLT)/ B.Sc. in Perfusion Technology/ B.Sc. in Radiotherapy/ B.Sc. in Radiography & Imaging Technology/BPT

Sr. No.	Fee Structure	Amount
1.	Tuition fee & Registration fee	Rs. 9000/-
2.	Amalgamated Fund	Rs. 665/-
3.	University Charges	Rs. 2670/-
4.	Youth Red Cross subscription fee	Rs. 65/-
GRAND TOTAL		Rs.12400/-

Note:

1. Migration fee of Rs. 100/- will be charged from the student of any other Univeristy or from a Board of Education (other than the Board of School of Education, Haryana).
2. The fee can be increased/ decreased on the decision of the competent authority. Hostel fee if any will be charged extra on allotment of hostel accommodation from the students.

Fee Structure For Private Unaided Ayurvedic, Homoeopathic and Physiotherapy Institutions

BAMS & BHMS COURSES

Fee Head	Amount
Tuition Fee including Development charges	Rs. 87,000 /-
College charges/ Students funds	Not more than Rs. 4500/-
Examination Fee and Registration of University	Actual
University and CCIM continuation charges	Actual
Hostel Fee & Mess Charges	Not more than Rs. 45000/-
Transport Fee	Actual

BPT COURSE

1. For Mother Teresa College of Physiotherapy, Saket, the fee will be as has been fixed by the Govt. as this institute is getting grant from the State Govt.
2. For the other Private Un-aided BPT Colleges in the State.

Fee Head	Amount
Tuition Fee& Development charges	Rs. 35,000/-
Other charges	Rs. 10,000/-
University charges	Actual
Hostel and mess charges	Actual
Transport Charges	Actual
Examination & Registration Fee	Actual

Note :

- On the basis of the Govt. Notification to be issued, the fee can be increased or decreased.
- The fee will be payable on annual basis.
- The fee shall be refunded / adjusted if candidate is shifted from one college to another in the subsequent counseling on operation of the waiting list. If the said fee is not refunded/adjusted within 15 days the said institution will be liable to pay Bank Interest as well as penal interest to the said students as laid by R.B.I. Fee will be deposited by the successful candidates to the respective institute in the shape of demand draft.

CHAPTER-XI

List of documents to be brought at the time of reporting before Admission Committee:

The candidates, at the time of reporting must bring the following Original Certificates/ Documents/ Testimonials alongwith two sets of duly attested photocopies of these with them. Any candidate who fails to produce any of the required Certificate Document/ Testimonial at the time of reporting the institution, will forfeit his/her claim to admission:

- 1) Matriculation Certificate/ High School Certificate/ICSE/Class X or its equivalent certificate as proof of date of birth.
- 2) Having passed/ appeared in qualifying examination i.e. 10+2.
- 3) Certificate of good conduct/character from the Principal of the Institution last attended.
- 4) Service Certificate from the employer as in Annexure 4-C if applicable
- 5) Certificate pertaining to claims for reservations for Haryana residents only (if claimed) Scheduled Castes (Annexure 4-F), Backward Classes (Annexure4-G), Physically Handicapped (Annexure 6) Children of deceased/ disabled/ Ex-servicemen (Annexure 7), dependents of Freedom Fighters (Annexure 8) and undertaking (Annexure 9) & Haryana Domicile Certificate.

- 6) As Proof of identification Aadhaar card / PAN Card / Driving license /Passport / Voter ID.

CHAPTER-XII

DURATION OF COURSES

1. Bachelor of Physiotherapy (BPT) : Four & half academic years including six months compulsory rotating internship
2. B.Sc. Nursing : Four years
3. B.Sc. Optometry : Four years including one year compulsory Internship.
For In-service candidates duration of the course will be three years, consisting of two academic years starting from second year and one year of internship.
4. BSc. Medical Technology Operation Theatre (OT) : Three academic years
5. BSc. Medical Lab Technology : Three years. The duration of training shall be of two years
For In-service candidates starting from 2nd year applying through proper channel after five years service.
6. B.Sc. Radiotherapy Technology : Three academic years
7. B.Sc. Radiography & Imaging Technology : Three academic years
8. B.Sc. Perfusion Technology : Three academic years followed by six months compulsory internship training.
9. BASLP : Four academic years including one year of internship

BAN ON RAGGING IN EDUCATIONAL INSTITUTIONS**Instructions for curbing ragging:**

Ragging in educational institutions is banned and any one indulging in ragging is likely to be punished appropriately, which punishment may include expulsion from the institution, suspension from the institution or classes for a limited period or fine with a public apology. The punishment may also take shape of (i) withholding scholarships or other benefits (ii) debarring from representation in events (iii) withholding results (iv) suspension or expulsion from hostel or mess, and the like. If the individuals committing or abetting ragging are not/cannot be identified, collective punishment can be awarded to act as a deterrent.

The following will be termed as the Act of Ragging :

Any disorderly conduct whether by words spoken or written or by an act which has the effect of teasing, treating or handling with rudeness any other students, indulging in rowdy or indisciplined activities which causes or is likely to cause annoyance, hardship or psychological harm or to raise fear or apprehension thereof in freshers or junior students or asking the students to do any act or perform something which such students will not do in the ordinary course and which has the effect of causing or generating a sense of shame or embarrassment so as to adversely effect the physique or psyche of a fresher or a junior student.

Note :

Besides above, the candidates would also observe the following instructions:-

- i) It must be noted by the candidates/parents/guardian etc. that ragging is banned in the institutions and in case anyone indulging in ragging is liable to be punished appropriately including expulsion from the Institution and/or imprisonment upto 3 years, and /or fine upto 25,000/-.
- ii) The concerned Institution will have the right that to prevent/prohibition of ragging under Act/Ordinance and if any, candidate admitted to the course found indulging in ragging will be cognizable offence and really means business and the Institutes will not hesitate to take stern action against the offenders.
- iii) A candidate admitted to the course in an Institution shall submit an undertaking duly signed by him/her and countersigned by his/her parents/guardian at the time of admission to the effect that he/she is fully aware of the law regarding ragging as well as the punishment and that he/she if found guilty on this account is liable to be punished appropriately. Similar undertaking shall also be furnished by the parents/guardian that they are fully aware and noted the law in this regard and agrees to abide by the punishment meted out to his/her ward in case their ward, if admitted to the course is found guilty of ragging as per **ANNEXURE-22**.
- iv) Undertaking of similar nature as given under Sr. No. iii & above shall also be obtained from the admitted candidates in the application form for admission to the Hostels as well.
- v) **As per the order of the Hon'ble Supreme Court of India dated 16.05.2007 which is reproduced below :**

“If any incident of ragging comes to the notice of the authority, the concerned student shall be given liberty to explain and if his explanation is not found satisfactory, the authority would expel him from the institution”.

- vi) **Every student for the purpose of his/her admission shall furnish a Character Certificate from the institutions wherefrom he/she has passed his qualifying examination, which would mention the status of his/her behavioural pattern specially in terms as to whether he/she has displayed persistent violent or aggressive behaviour or any desire to harm others(Annexure 1).**

EXTRACT OF ORDINANCE ON MAINTENANCE OF DISCIPLINE AMONG STUDENTS OF PANDIT BHAGWAT DAYAL SHARMA, UNIVERSITY OF HEALTH SCIENCES ROHTAK (HARYANA)

Prohibition of ragging and penalties thereof

- (1) Ragging in any form shall be strictly prohibited within the premises of the University, a college or an institution, as the case may be, or in any part of the University system as well as on public transport or at any other place, public or private.
- (2) Any individual or collective Act or practice of ragging shall constitute an act of gross indiscipline and shall be dealt with under the provisions of this ordinance.
- (3) Ragging for the purposes of this ordinance, shall ordinarily mean any act, conduct or practice by which the dominant power or status of senior students is brought to bear upon the students who are in any way considered junior or inferior by the former and includes individual or collective acts as practices which -
 - (a) Involve physical assault or threat to use physical force ;
 - (b) Violate the status, dignity and honour of students, in particular Women students and those belonging to scheduled caste or a scheduled tribe;
 - (c) Expose students to ridicule or contempt or commit an act which may lower their self esteem; and
 - (d) Entail verbal abuse, mental or physical torture, aggression, corporal punishment, harassment, trauma, indecent gesture and obscene behaviour.
- (4) The Dean of the Faculty, Chief Warden, Director of the institution or the Principal of the college, as the case may be shall take immediate action on the receipt of any information that ragging has taken place or is likely to take place.
- (5) Notwithstanding anything contained in clause (4), the chairman of the Board of Discipline of University and its maintained college or the chairman of the Board of Discipline of an affiliated college or institution may also *suo moto* inquire into any incident of ragging or likelihood of such incident and make a report to the Vice-Chancellor or Director/ Principal of the affiliated college/ institution, as the case may be, clearly pinpointing, among other details, the identity of the student or the students who were involved in the incident the nature of the incident.
- (6) The chairman of the Board of Discipline may also submit an interim report to the Vice-Chancellor in the case of University and its maintained colleges or to the Principal/ Director of the affiliated colleges, as the case may be, establishing the identity of the perpetrators of ragging and the nature of the incident.
- (7) If the chairman of a Board of Discipline is satisfied that for any reason, to be recorded in writing, it is not feasible to hold an inquiry referred to in clauses (4) and (5), he may so advise the Vice-Chancellor or Director/ Principal of the affiliated college/ institution as the case may be accordingly.
- (8) Where the Vice-Chancellor or the Director/ Principal in case of affiliated colleges is satisfied, on receipt of a recommendation to this effect or otherwise, that it is not expedient to hold an inquiry into an incident of ragging, he shall order accordingly for reasons to be recorded in writing.

CHARACTER CERTIFICATE FROM THE PRINCIPAL/HEAD OF THE INSTITUTION LAST ATTENDED.

Certified that Mr./Ms. Son/Daughter of Shri passed examination from this school/institute for the session

During his stay in this school/institute his/her conduct remained and he/she has not displayed persistent violent or aggressive behaviour or any desire to harm others.

Signature of the Headmaster/ Principal of Institution.
(with official seal)

Annexure-2

Copy of letter No. 62/17/95-6 GSI Dated, Chandigarh, the 3rd October, 1996 received from the Chief Secretary to Government Haryana addressed to All Heads of Departments, Commissioners Ambala, Rohtak, Gurgaon and Hisar Divisions, All Deputy Commissioners and all Sub Divisional Officers (Civil) in Haryana, The Registrar, Punjab and Haryana High Court and all District and Session Judges in Haryana.

Subject: **"Bonafide residents of Haryana - Guidelines regarding"**.

I am directed to invite your attention to Haryana Govt. letters noted in the margin on the subject noted above vide which the instructions were issued regarding simplification of procedure for obtaining the certificate of Domicile for the purpose of admission to educational institution (including technical/medical institution). The matter has been reconsidered in the light of judgment delivered by the Hon'ble Supreme Court of India in the case of Dr. Pradeep Jain vs. Union of India and others reported as AIR 1984-SC-1421, wherein it has been held that instead of the word 'Domicile' the word 'Resident' be used in the instructions issued by the State Government and it has been decided to revise the Government instructions. Henceforth, the following categories of persons would be eligible for the grant of Resident Certificate: -

- i) Candidates, who have passed the examination qualifying there for selection in an institution from a school/college in Haryana.
 - ii) Children / Wards (if parents are not living) / Dependents: -
 - (a) of the regular employees of Haryana State posted in or outside Haryana State or working on deputation;
 - (b) of the regular employees of the statutory bodies/corporations established by or under an act of the State of Haryana who are posted in Chandigarh or in Haryana or outside Haryana.
 - (c) of the regular employees of the Government of India posted in Chandigarh or in Haryana in connection with the affairs of the Haryana Government;
 - iii) Children/wards (if parents not living)/dependents of persons who after retirement have permanently settled in Haryana and draw their pensions from the treasuries situated in the State of Haryana.
 - iv) Children/wards (if parents are not living)/dependents of pensioners of Haryana Government irrespective of the fact that the original home of the retiree is in a state other than Haryana or he has settled after retirement in or outside Haryana;
 - v) Children/Wards (if parents are not living)/dependents of persons, who have permanent home in Haryana and include persons who have been residing in Haryana for a period of not less than 15 years or who have permanent home in Haryana but on account of their occupation they are living outside Haryana;
 - vi) The wives of such persons who are bonafide residents of Haryana irrespective of the fact that they had belonged to any other State before marriage;
 - vii) Persons who were born in Haryana and produce a certificate to that effect; provided that the parents/guardians (if parents are not living) of persons belonging to any one of the above mentioned categories are:
 - a) Citizen of India;
 - b) Produce an affidavit to the effect that they or their children/wards (if parents are not living)/dependents have not obtained the benefit of Resident in any other State.
2. All candidates claiming to be bonafide residents of Haryana should produce a Haryana Resident Certificate signed by the District Magistrate/General Assistant to Deputy Commissioner or Sub-Divisional Officer (Civil) of the District/Sub-Divisions to which the candidates belong. Resident Certificates in respect of elsewhere or in respect of the Children/Wards/Dependents of Haryana Govt. employees who are posted at Chandigarh, Delhi or elsewhere or in respect of Children /Wards/ Dependents of pensioners of Haryana Govt. or in respect of the Children/Wards/ Department of the employees of the Government of India posted at Chandigarh or in Haryana in connection with the affairs of Haryana Government, or in respect of Children/Wards/Dependents of the employees and retirees of the Statutory Bodies/Corporations of Haryana established by or under an Act of the State of Haryana or a Central Act and located at Chandigarh, Haryana or outside Haryana, should be by their respective Heads of Departments.
 3. Candidates seeking admission in educational institutions (including medical and technical institutions) located in Haryana, may not be required to produce Resident Certificate, if they have passed the examination from a school/college situated in Haryana. For this purpose, a certificate of the Principal/Headmaster from concerned institution where the children/wards studied last should be considered sufficient. The Principal/Headmaster of the institution shall be competent to issue such certificate, which should be sufficient.
 4. If a candidate is admitted on the basis of claim that he belongs to the State of Haryana but at any subsequent time is discovered that his claim was false, the student shall be removed from the institution, all fees and other dues paid up to the date of such removal shall be confiscated. The Principal/Headmaster may take such other action against the student and his/her parents/guardians as he may deem proper in the circumstances of any particular case.
 5. For the purpose of uniformity for issuing certificate of Residence in the case of various categories to be issued by the competent Authorities, proformas have been prescribed which are enclosed herewith.
 6. These instructions may kindly be noted carefully for compliance and the receipt of this letter may please be acknowledged.

U.O. No. 62/27/2003- 6 GSI

Dated, Chandigarh the July 29, 2003

From

The Chief Secretary to Government Haryana

To

1. All the Heads of Departments in Haryana
2. The Commissioners Rohtak, Gurgaon, Hissar and Ambala divisions.
3. The Registrar, Punjab and Haryana High Court
4. All the Deputy Commissioners in Haryana
5. The Managing Directors of all Boards and Corporations in Haryana
6. The Registrars, Maharshi Dayanand University, Rohtak, Kurukshetra University, Kurukshetra, Ch. Charan Singh Haryana Agriculture University, Hissar, Guru Jambheshwar University, Hissar and Ch. Devi Lal University, Sirsa

Sub : **Bonafide residents of Haryana – Guidelines regarding.**

Sir,

I am directed to invite your attention to Haryana Government circular letter No. 62/17/95-6GSI, dated 3.10.96 and No. 62/32/2000 - GSI, dated 23.5.2003 on the subject noted above vide which the instructions were issued regarding simplification of procedure for obtaining the certificate of resident purpose of admission to educational institutions (including technical/ medical institutions)

2. The matter has been reconsidered by the State Government in view of the problems faced by the children and wards of accredited journalists recognized by Government of Haryana and it has been decided that the children and wards of the accredited journalists residing at Chandigarh and recognized by Government of Haryana would also be eligible for the grant of Residence Certificate only for the purpose of admission in the academic institutions of Haryana State.

3. These instructions may kindly be noted carefully for compliance and the receipt of this letter may please be acknowledged.

Yours faithfully,

Sd/-

Under Secretary General Administration
for Chief Secretary to Government Haryana

A copy is forwarded to all the Financial Commissioners and Principal Secretaries/ Commissioners and Secretaries to Government of Haryana for information and necessary action.

Sd/-

Under Secretary General Administration
for Chief Secretary to Government Haryana

Copy of letter No. 22/28/2003-3G.S.III Dated, Chandigarh the 30th January, 2004.

From

The Chief Secretary to Government Haryana.

To

1. All Heads of Departments in Haryana.
2. The Commissioners, Rohtak, Gurgaon, Hisar and Ambala Divisions.
3. The Registrar, Punjab and Haryana High Court, Chandigarh.
4. All the Deputy Commissioners in Haryana.
5. The Registrars, Maharshi Dayanand University, Rohtak, Kurukshetra University, Kurukshetra, Ch. Charan Singh Haryana Agriculture University, Hisar, Guru Jambheshwar University, Hisar and Ch. Devi Lal University, Sirsa (Haryana).

Dated, Chandigarh the 30th January, 2004.

Subject: "Streamlining the procedure in the offices regarding issuing of Resident /Income Certificates and the caste certificate to Scheduled Castes and Backward Classes".

Sir,

I am directed to invite your attention to Haryana Government letters Nos. 62/17/95-2G.S.III, dated 03.10.96, No. 22/51/93-3G.S.III, dated 12.8.93 and even No. dated 14.10.97 on the subject noted above wherein instructions regarding the caste certificates (SC/BC/OBC), and Resident certificates have been issued.

2. The policy has been reviewed keeping in view the various courts judgements and the hardships caused to the individuals in obtaining above quoted certificates. Government is of the view that the procedure be institutionalized by delegating powers at proper level for ensuring speedy disposal of work without any harassment or exploitation. The present modification of the policy also aims at simplifying the procedure for obtaining certificate by an individual falling under the reserved categories.

The matter has also been reconsidered in depth by the State Government in view of the problems being faced by the Government employees in obtaining these certificates. With a view to improve the existing system in issuing various certificates, it has been decided by the Government that henceforth Circle Revenue Officers (Tehsildar/Naib Tehsildar-cum-Executive Magistrate) concerned will be authorized to issue Resident as well as Caste Certificates (SC/BC/OBC) after getting the verification done through the subordinate revenue staff in case of applicants residing in the rural area and through the Executive Officer/Secretary of the concerned Municipal Committee/Municipal Council/Municipal Corporation concerned in case of applicants residing in urban area. It has further been decided that in case of Haryana Government employees serving in the offices located at Chandigarh/Panchkula and residing at Chandigarh/Panchkula, the Resident certificates and caste certificate to SC/BC employees and for their children, may be issued by their respective Heads of Departments also.

3. The validity of Resident Certificate issued by the competent authority shall be as long as the holder of this certificate maintains his residential address in Haryana State.

4. SC certificate once issued shall be valid as long as the caste is not removed from the Schedule of the Constitution and BC certificate shall be valid for life from the date of issue of the certificate or till the applicant does not fall into creamy layer category as defined from time to time. The applicant applying for BC certificate would also submit a self declaration on simple paper that he does not fall under creamy layer category. The format for this declaration is given at Annexure 'A' However, if the certificate has been obtained by fraud or misrepresentation or concealment of facts or by some other means, the said certificate shall be declared as invalid/non-est and benefit taken by the applicant will be withdrawn and a criminal case shall be registered against the applicant misrepresenting the facts as well as against the guilty officers/officials, if any. In addition, Social Justice & Empowerment Department, Haryana is being, directed to finalize the modalities and procedure to constitute the Scrutiny Committee.

The files relating to Caste and Resident certificate shall be retained for 10 years and Register shall be retained permanently. The proforma of the application form, Register and SC/BC certificates prescribed by the Government shall be followed by all the Departments/Institutions in letter and spirit as it has come to the notice of the Govt. that some Departments/Institutions demand such certificates in proforma which are at variance with the proforma in which these certificates are being issued by the competent authorities (Tehsildar / Naib Tehsildar/HODs). It is, therefore, decided that the Departments/Institutions shall accept these certificates only in the proforma in which these are being issued by the competent authorities which have been prescribed by the Govt. itself (copy enclosed).

5. To make institutional arrangements, it has also been decided that in future the Resident and Caste certificates will be issued to all the students studying in class 8th every year as per the time schedule given below:-

- i. Filling of application form by the parents/students. 1st Nov. To 10th Nov. Every year. ii. Verification by (a) Sarpanch/ Namberdar in case of rural areas and Municipal Councillors in case of Urban areas.
- (b) Verification by Patwari in case of rural areas /EO/Secy.(MC) any other officer/official authorized by the local body for the purpose in case of urban areas. Upto 30th November every year.
- (c) Head Teacher/Head Master Upto 15th Dec. iii. Forwarding of application to CRO by Head Teacher/Head Master 31st Dec. iv. Verification & issue of certificate by CRO Upto 31st January every year.

6. All application forms of a particular School may be sent to the Tehsildar / Naib Tehsildar concerned preferably at one go so that the certificates are issued and sent back to the Head masters of Government Schools/Private Schools for distribution to the concerned students. The Head Teacher/Head Master shall be responsible for getting the application forms filled and files prepared of all the students presently studying in Class-VIII to XII will be issued these certificates during the months of January, 2004 to March, 2004. The schedule will be finalized by the concerned Deputy Commissioner in this regard.

7. It has been further decided that in case of SC/BC students claiming benefit under various welfare schemes upto Class IX, the benefits will be given by the Head Master/Head Teacher after getting the verification done from Sarpanch/ Namberdar/MC and a caste certificate issued by the CRO (Tehsildar / Naib Tehsildar) may not be demanded for this

purpose by the School authorities.

8 The matter regarding issue of income certificate to the students for claiming various benefits in educational institutions has been considered and it has been decided that in future the income certificate for educational purpose will be issued by the CRO (Tehsildar / Naib Tehsildar concerned) and income certificate for other purposes by the SDO (C) concerned taking into account income of the applicant from various sources including agriculture, trade, profession, salary etc. The verification will be got done through the subordinate revenue staff in case of applicants residing in rural areas and through the Executive Officers/Secretary of the concerned Municipal Committee/Council/Municipal Corporation in case of applicants residing in urban areas.

9. It has also been brought to the notice of the Government that when posts are advertised, fairly large number of candidates apply for such posts and Haryana Public Service Commission/Haryana Staff Selection Commission /Department demand attested copies of Resident/Caste certificates and other documents from the candidates. This creates not only financial problems for the unemployed youths but also increases the work load in the offices. Similar is the position in case of admission to educational/professional Engineering institutions. To give relief to the public, it has been decided that at the time of applying for job or for admission in educational institutions including technical/professional institutions etc. self attested photo copy of the certificate about the residence and caste status shall be sufficient and at the time of final interview/selection, original papers including castes and Resident certificate issued by the competent authorities may be obtained/examined/inspected by the concerned departments/institutions and attested copies thereof be kept in record. The fact may also be cross checked/verified at the time of verification of the antecedents of the applicants before he/she joins the Government service. Similar practice will be followed for degrees/mark sheets/other certificates of academic qualifications. Necessary action to amend/revise the application form in this regard shall be taken by Haryana Public Service Commission/ Haryana Staff Selection Commission/Head of the Departments/Universities etc. at their own level under intimation to the Government.

These instructions may be brought to the knowledge of all for strict compliance.

Yours faithfully,

Sd/-
Special Secretary General Administration,
for Chief Secretary to Government Haryana

AFFIDAVIT OF THE PARENT /GUARDIAN TO BE ATTESTED BY EXECUTIVE MAGISTRATE/OATH COMMISSIONER/NOTARY PUBLIC.

I.....father/mother/guardian of Miss/Mr..... resident of.....do hereby solemnly state and affirm as under:-

1. That I am a Citizen of India.
2. That neither the deponent nor the child/ward of the deponent have obtained the benefit of 'Residence in any other State.

Dated..... **DEPONENT**

VERIFICATION

Verified that the contents of my above affidavit are true and correct to the best of my knowledge and belief and nothing has been concealed therein.

Dated..... **DEPONENT**

RESIDENCE CERTIFICATE TO BE ISSUED BY THE DEPUTY COMMISSIONER, SUB DIVISIONAL OFFICER (CIVIL), G.A. TO D.C.D.R.O. EM AND TEHSILDAR.

Certified that Sh. S/o Sh. Father/guardian of Miss/Mr. hold (name of Child/ward with full address) immovable property at (place and District) in the State of Haryana for the past — years.

OR

Certified that Miss/Mr..... S/o Sh. Resident of was born in Haryana as per birth certificate.

Dated:

**Signature of the Authority
(mentioned above) (with seal)**

RESIDENCE CERTIFICATE TO BE ISSUED BY HEAD OF DEPARTMENT

Certified that Sh. _____ S/o Sh. _____ father of Miss/Mr. _____ is an employee of the _____ (Name of office) _____ of Haryana Government. He is working as _____, and is posted at _____. He has more than three years service at his credit.

Place:

**Head of the Department
(with seal)**

Dated:

RESIDENCE CERTIFICATE TO BE ISSUED BY THE PRINCIPAL/HEADMASTERS OF THE GOVERNMENT/RECOGNIZED SCHOOL/COLLEGE.

It is certified that Miss/Mr. D/o Sh. has been a student of this School/College for a period of Years, from to He left the school/college on

Dated

**Signature of Principal/Headmaster of
the school/college (with seal)**

RESIDENCE CERTIFICATE TO BE ISSUED BY THE RESPECTIVE HEAD OF THE DEPARTMENT IN THE CASE OF THE EMPLOYEES OF GOVERNMENT OF INDIA

Certified that Sh. S/o Sh. father of Miss/Mr. is an employee of Government of India working as He has been posted at Chandigarh/Haryana in connection with the affairs of Haryana Government for the past three years.

Dated

Head of Department

(with seal)

CERTIFICATE OF SCHEDULED CASTE

Certified that Mr./Miss..... Son/Daughter of Sh..... Village/Ward No. Teh..... District Haryana belongs to Caste. Which has been declared Scheduled Caste in the Constitution (Scheduled Castes) Order 1950.

Caste certificate shall be valid for life.

Dated.....

Tehsildar/Naib Tehsildar-cum- Executive

Place :

Magistrate/Head of the Department

Certificate from no other authority will be accepted.

BACKWARD CLASS CERTIFICATE

Certified that Mr/Miss Son/Daughter of Sh Resident of Village/Ward No..... Tehsil District Haryana belongs to Caste, which has been declared Backward Classes Block (A/B) by Haryana Government. It is also certified that the applicant is not covered under creamy layer criteria as notified by Haryana Govt. vide Circular No. 1170-SW(1) 95 dated 7-6-95 and No. 1883/SW (1)-95 dated 28.9.1995.

Caste certificate shall be valid for life from the date of issue.

Dated.....

Tehsildar/Naib Tehsildar-cum- Executive

Place :

Magistrate/Head of the Department

Certificate from no other authority will be accepted.

CERTIFICATE FROM THE EMPLOYER IN THE CASE OF

EMPLOYEES OF INDIAN DEFENCE SERVICES/PARA MILITARY FORCES

I certify that Mr./Ms.....Son/Wife of Sh..... is a regular employee of Indian Defence Services/Para Military Forces belonging to Haryana State as per his/her service record at the time of entry into service and the home address given is.....(Distt.....).Haryana.

Sh./Ms..... is his/her son/daughter/dependent (if parents are not living).

Dated.....

Place.....

Signature
Officer Commanding
Competent Authority
(With official Seal & Stamp)

PT. B.D. SHARMA P.G.I.M.S., ROHTAK

No..... Dated.....

Certified that Sh./Km./Smt. son/daughter/wife of shri resident of.....District.....appeared before the Medical Board for medical check up. On his/her Medical Examination, it is found that nature of handicap*/disability is as under :-

Dated
Place.....

Chairman Medical Board
Pt. B.D.Sharma, PGIMS, Rohtak

(Signature of the Applicant)

CERTIFICATE

(FOR DECEASED/DISABLED/DISCHARGED MILITARY/PARA MILITARY PERSONNEL, SERVING MILITARY PERSONNEL EX-SERVICEMEN/EX-PERSONNEL OF PARA MILITARY FORCES)

Certified that Number
Rank Name S/o father of resident of Village Post office Tehsil..... Distt..... State of Haryana has served in the Army/Air Force/Navy (Name of the Para-Military Force) from to andsubsequently invalidated out of service as under :-

1. Medical category
 - i) for JCO's.....
 - ii) for ORS : Shape-I,II,III etc.....
 - iii) for Rank/Designation (in case of Para-Military Forces).....
2. Reason of discharge/retirement.....
3. Death : i) whether killed in action.....
or any other reason :.....
4. If killed in action, Name of the war/operation.....
5. Disabled, whether disabled during the war/operation (name).....
6. Nature of disability :
 - i) whether permanent i.e. for life.....
 - ii) whether temporary (upto what extent).....

Next RSMB IS DUE

Name of Records :

Signature of the issuing authority

with designation and official seal & stamp

Case No.

Dated

Note : Only the certificate issued by the officer duly authorised by the Army/Navy/Air Force/ concerned Para-Military Force Headquarters, as the case may be, shall be entertained.

The certificate issued by the competent authority according to Govt. Instructions conveyed vide No. 16/20/93 – 4PP dated 20.04.1993 and No. 16/36/2004 – 4PP dated 10.08.2004 will be considered as valid.

UNDERTAKING

I _____ S/D of _____
aged _____ R/o _____ Teh. _____
Distt. _____ hereby undertake as under:-
That Sh./Smt. _____ S/D of Sh.
_____ R/o _____ Teh.
_____ Distt. _____ is/was Freedom Fighter and is/was my
grandfather/grand mother (Paternal/Maternal)

Date:
Place:
Candidate.

Signature of the

It is verified that all the above contents are true to the best of our knowledge.

Signature of Father/Mother of Candidate
(who is/was dependent of Freedom Fighter)

Signature of the Candidate.

LIST OF BACKWARD CLASSES INCLUDED IN BLOCK- 'A' , 'B' & 'C' AS PER CHIEF SECRETARY TO GOVT. OF HARYANA, GENERAL ADMINISTRATION DEPARTMENT ORDER.

BLOCK 'A'

- | | |
|---|--------------------------------------|
| 1. Aheria, Aheri, Heri, Naik, Thori or Turi, Hari | 35. Kamboj |
| 2. Barra | 36. Khanghera |
| 3. Beta, Hensi or Hesi | 37. Kuchband |
| 4. Bagria | 38. Labana |
| 5. Barwar | 39. Lakhera, Manehar, Kachera |
| 6. Barai, Tamboli | 40. Lohar, Panchal – Brahmin. |
| 7. Baragi, Bairagi, Swami Sadh | 41. Madari |
| 8. Battered | 42. Mochi |
| 9. Bharbhujia, Bharbhunja | 43. Mirasi |
| 10. Bhat, Bhatra, Darpi, Ramiya | 44. Nar |
| 11. Bhuhalia Lohar | 45. Noongar |
| 12. Changar | 46. Nalband |
| 13. Chirimar | 47. Pinja, Penja |
| 14. Chang | 48. Rehar, Rehara or Re |
| 15. Chimba, Chhipi, Chimpa, Darzi, Rohilla | 49. Raigar |
| 16. Daiya | 50. Rai Sikhs |
| 17. Dhobis | 51. Rechband |
| 18. Dakaut | 52. Shorgir, Shergir |
| 19. Dhimar, Mallah, Kashyap, Rajpoot, Kahar, Jhiwar, Dhinwar, Khewat, Mehra, Nishad. Sakka, Bhisti, Sheikh-Abbasi | 53. Soi |
| 20. Dhosali, Dosali | 54. Singhikant, Singiwala |
| 21. Faquir | 55. Sunar, Zargar, Soni |
| 22. Gwaria, Gauria or Gwar | 56. Thathera, Temera |
| 23. Ghirath | 57. Teli |
| 24. Ghasi, Ghasiara or Ghosi | 58. Vanzara, Banjara |
| 25. Gorkhas | 59. Weaver (Jullaha) |
| 26. Gawala, Gowala | 60. Badi/Baddon |
| 27. Gadaria, Pal, Baghel | 61. Bhattu/Chattu |
| 28. Garhi-Lohar | 62. Mina |
| 29. Hajjam, Nai, Nais, Sain | 63. Rahbari |
| 30. Jhangra Brahman, Khati, Suthar, Dhiman Brahmin, Tarkhan, Barhai, Baddi. | 64. Charan |
| 31. Joginath, Jogi Nath Jangam Jogi, Yogi | 65. Charaj (Mahabrahman) |
| 32. Kanjar or Kanchan | 66. Udasin |
| 33. Kurmi | 67. Ramgarhia |
| 34. Kumhars, Prajapati | 68. Rangrez, Lilgar, Nilgar, Lallari |
| | 69. Dawala, Soni-Dawala, Nyaaria, |
| | 70. Bhar, Rajbhar. |
| | 71. Nat (Muslim) |

BLOCK 'B'

- | | |
|---------------|---------------------------------------|
| 1. Ahir/Yadav | 4. Saini/Shakya/Koeri/Kushwaha/Maurya |
| 2. Gujjar | 5. Lodh/Lodha/Lodhi |
| 3. Meo | 6. Gosai/Gosain/Goswami |

At present Raigar, Mochi and Weaver (Julaha) (BC) and Julaha (SC) and Badi Castes find a mention in the list of the both scheduled castes and backward classes. The persons belonging to these castes who are not covered under the scheduled castes on account of being non Hindus and non Sikhs, can take the benefits under the backward classes only.

Copy of letter No. 1170-SW (I)-95 dated 7.6.95 from the Commissioner & Secretary to Government, Haryana, Welfare of Scheduled Castes and Backward Classes Department, Haryana, Chandigarh.

Sub: Exclusion of socially advanced persons/sections-(Creamy Layer) from Backward Classes.

Sir,

I am directed to invite your attention to the subject mentioned above and to state that following the Supreme Court judgement in the Indira Sawhney and others versus Union of India case, the Haryana Government vide notification dated 12.10.1993 had set up the Haryana Second Backward Classes Commission. The terms of reference of this Commission were to entertain, examine and recommend upon requests for inclusion and complaints of over-inclusion and under-inclusion in the list of backward Classes. Vide notification dated 26-5-1994, the Commission was also assigned the function of specifying the basis, applying the relevant and requisite socio-economic criteria to exclude socially advanced persons/sections (Creamy Layer) from Backward Classes.

In its report submitted on 16.5.1995, the Haryana Second Backward Classes Commission had recommended the criteria for excluding socially advanced persons/sections (Creamy Layer) from Backward Classes. After considering these recommendations, the Government has decided that the benefit of reservation shall not apply to persons/sections mentioned in **Annexure -11 A**, which is enclosed.

All the departments are requested to bring the above instructions to the notice of all the Heads of Departments and appointing authorities under their control for necessary compliance.

DESCRIPTION OF CATEGORY TO WHOM RULE OF EXCLUSION WILL APPLY

- I. CONSTITUTIONAL POSTS Son(s) and daughter(s) of -
- President of India;
 - Vice President of India;
 - Judges of the Supreme Court and of the High Courts;
 - Chairman and Members of UPSC and of the State Public Service Commission; Chief Election Commissioner; Comptroller and Auditor General of India;
 - Persons holding Constitutional positions of like nature.
- II. Service
Category :
A-Group Class-I
Officers of the All India
- Son(s) and daughter(s) of
- parents, both of whom are Class-I officers;
 - parents, either of whom is a Class-I officer;
 - parents, both of whom are Class-I Officers, but one of them dies or suffers permanent incapacitation.
 - parents, either of whom is a Class-I Officer and such parent dies or suffers permanent incapacitation and before such death or such incapacitation has had the benefit of employment in any International Organisation like U.N., I.M.F., World Bank, etc. for a period of not less than 5 years.
 - parents, both of whom are Class-I Officers die or suffer permanent incapacitation and before such death or such incapacitation of the both, either of them has had the benefit of employment in any International Organisation like U.N., I.M.F., World Bank, etc. for a period of not less than 5 years.
- Provided that the rule of exclusion shall not apply in the following cases:-
- Sons and daughters of parents either of whom or both of whom are Class-I Officers and such parent(s) dies/die or suffer permanent incapacitation.
 - A lady belonging to OBC Category has got married to a Class-I Officer and may herself like to apply for a job.
- B. Group B/Class II
- Son(s) and daughter(s) of
- parents both of whom are Class-II Officers.
 - parents of whom only the husband is a Class-I Officer and he gets into Class-I at the age of 40 or earlier.
 - parents, both of whom are Class-II Officers and one of them dies or suffers permanent incapacitation and either one of them has had the benefit of employment in any International Organisation like U.N., I.M.F., World Bank, etc. for a period of not less than 5 years before such death or permanent incapacitation;
 - parents of whom the husband is a Class-I Officer (direct recruit or pre-forty promoted) and the wife is a Class II officer and the wife dies or suffers permanent incapacitation; and
 - parents, of whom the wife is a Class-I Officer (Direct Recruit or pre-forty promoted) and the husband is a Class-II Officer & the husband dies or suffers permanent incapacitation.
- Provided that the rule of exclusion shall not apply in the following cases:-
- Sons and daughters of -
- Parents both of whom are Class-II Officers and one of them dies or suffers permanent incapacitation.
 - Parents, both of whom are Class-II Officers and both of them die or suffer permanent incapacitation, even though either of them has had the benefit of employment in any International Organisation like U.N., I.M.F., World Bank, etc. for a period of not less than 5 years before their death or permanent incapacitation.
- C. Employees in Public
Sector Undertaking etc.
- The criteria enumerated in A & B above in this Category will apply mutatis mutandi to officers holding equivalent or comparable posts in PSUs, Banks, Insurance Organisations, Universities etc. pending the evaluation of the posts on equivalent or comparable basis in these institutions, the criteria specified in Category-V below will apply to the officers in these Institutions.
- III ARMED FORCES
- Sons(s) and daughter(s) of parents either or both of whom is or are in the rank of colonel and above in the army and to equivalent posts in the Navy and the Air Force and the Para Military Forces :
- Provided that-

- i) If the wife of an Armed Forces Officer is herself in the Armed Forces (i.e. the category under consideration) the rule of exclusion will apply only when she herself has reached the rank of colonel;
- ii) the service ranks below colonel of husband and wife shall not be clubbed together;
- iii) If the wife of an officer in the Armed Forces is in Civil employment, this will not be taken into account for applying the rule of exclusion unless she falls in the service category under item No.II in which case the criteria and conditions enumerated therein will apply to her independently.

IV PROPERTY OWNERS

Son(s) and daughter(s) of persons belonging to a family (father, mother and minor children) which owns land more than land permissible under the Ceiling Act of Haryana State.

V INCOME/WEALTH TAX

Son(s) and daughter(s) of-

- a) Persons having gross annual income of Rs.2.50 Lacs or above or possessing wealth above the exemption limit as prescribed in the Wealth Tax Act for a period of three consecutive years.
- b) Persons in Categories I,II,III & IV who are not disentitled to the benefit of reservation but have Income from other sources of Wealth which will bring them within the income/wealth criteria mentioned in (a) above.

Explanation :

- i) Income from salaries or agricultural land shall not be clubbed;
- ii) The income criteria in terms of rupee will be modified taking into account the change in its value every three years. If the situation, however, so demands, the interregnum may be less.
- iii) Where the husband is in some profession and the wife is in a Class-II or lower grade employment the income/wealth/Criterion will apply only on the basis of the husband's income.
- iv) If the wife is in any profession and the husband is in employment in a Class-II or lower rank post, then the income/wealth criterion will apply only on the basis of the wife's income and the husband's income will not be clubbed with it.

Explanation : Wherever, the expression, 'permanent incapacitation' occurs in this schedule it shall mean incapacitation which results in putting an Officer out of service.

No. 22.36/2000-3 G.S. III

From

The Chief Secretary to Government of Haryana

To

1. All Heads of Departments, Commissioners, Ambala, Hisar, Rohtak and Gurgaon Divisions.
2. The Registrar, Panjab and Haryana High Court, Chandigarh.
3. All Deputy Commissioner & Sub-Divisional Officers (civil) in Haryana.
Dated, Chandigarh, the 09th August, 2000.

Subject: Clarification regarding issuance of certificate of Haryana Backward Classes.

Sir,

I am directed to invite your attention to the Govt. of Haryana, Social Welfare Department letter No. 1170-SW (1) 95, dated 7.6.95 on the subject noted above, therein criteria was laid down to assess the creamy layer persons of Haryana Backward Classes in Haryana State. The Backward Classes of Haryana are facing difficulty in obtaining the Backward Classes certificate from the certificate issuing authority due to some understanding in the instructions dated 7.6.95. After careful consideration the Govt. of Haryana has decided to issue clear cut directions to all the Heads of Departments and Deputy Commissioners in the state for issuing Backward Classes Certificate without any further delay.

It is clarified that the income from salary will not be taken into account for the purpose of income/wealth tax in respect of service category and while calculating income or wealth test of the Government employee of Backward Classes who is not covered under Annexure-A, description of categories No. I, II (a,b,c,d) and III & IV, hence becoming entitled for the benefit of reservation under Backward Classes category, his salary should not be included but his other sources of income/wealth be included for income/wealth tax.

All the departments are requested to bring the above instructions to the notice of all the Head of Departments and appointing authorities under their control for necessary compliance.

Yours faithfully,

Sd/-

Joint Secretary General
Administration

for Chief Secretary to Govt. Haryana.

To

1. All the Financial Commissioners & Secretaries to Govt. Haryana.
2. All the Administrative Secretaries to Govt. Haryana.

**CERTIFICATE FOR THE EX- EMPLOYEES OF INDIAN
DEFENCE SERVICES/PARA-MILITARY FORCES**

Certified that Number.....

Rank

Name

S/o Shri.....

Father of

Resident of Village

Post Office

Tehsil

Distt
belonging to State of Haryana as per his/her service record at the time of entry into service, had served* in the Army/Navy/Air Force (Name of the Para-Military Force) from to and subsequently discharged/ retired from the service on..... as per his/her service record at the time of entry into service the home address given is (Distt.) Haryana.

Signature

Date.....

Officer Commanding/

Place.....

Competent Authority

(With official Seal & Stamp)

* (Strike out whichever is not applicable)

**CERTIFICATE FROM THE PRINCIPAL/HEAD OF THE INSTITUTION
LAST ATTENDED**

I Certify that Mr/Ms
Son/Daughter of Shri has studied in the 10+1 and 10+2
as a regular candidate in recognised institution(s) in Haryana as the case may be, as per
following details:-

Name of School/College passed and place where situated.	Class case of 12th class exam. and School/for College Roll. No. in case of 11th class exam.	Board Roll No. Total out/appeared	When Marks
---	--	---	---------------

(i) 11th

(ii) 12th

i) Attested photo copies are attached with this certificate

ii) Permanent residential address recorded as under:

.....
.....
.....

Signature of the
Headmaster/Principal
of Institution
(with official Seal)

Date

Place

LIST OF SCHEDULE CASTES AS PER CHIEF SECRETARY TO GOVT. OF HARYANA, GENERAL ADMINISTRATION DEPARTMENT ORDER NO. 22/132/2013 -1GS- III DATED 21.03.2014.

Sr. No. Name of the Caste

1. Ad Dharmi
2. Balmiki
3. Bangali
4. Barar, Burar, Berar
5. Batwal, Barwala
6. Bauria, Bawaria
7. Bazigar
8. Bhanjra
9. Chamar, Jatia Chamar, Rehgar, Raigar, Ramdasi, Ravidasi, Balahi, Batoi, Bhatoi, Bhambi, Chamar – Rohidas, Jatav, Jatava, Ramdasia
10. Chanal
11. Dagi
12. Darain
13. Deha, Dhaya, Deha
14. Dhanak
15. Dhogri, Dhangri, Siggri
16. Dumna, Mahasha, Doom
17. Gagra
18. Gandhila, Gandhil, Gondola
19. Kabirpanthi, Julaha
20. Khatik
21. Kori, Koli
22. Marija, Marecha
23. Mazhabi, Mazhabi Sikh
24. Megh, Meghwal
25. Nat, Badi
26. Od
27. Pasi
28. Perna
29. Pherera
30. Sanhai
31. Sanhal
32. Sansi, Bhedkut, Manesh
33. Sansoe
34. Sapela, Sapera
35. Sarera
36. Sikligar, Bariya
37. Sirkiband

No. 22/89/97-3GS-III

From

The Chief Secretary to Govt. Haryana

To

1. All Heads of Deptt. in Haryana State.
2. Registrar, Punjab and Haryana High Court.
3. All deputy Commissioners & Sub-Divisional Officer (Civil) in Haryana State

Dated, Chandigarh, the 7th, August, 2000

Subject :- Reservation for Admission in Educational/Professional and Technical Institutions.

Sir,

I am directed to invite your attention to the Haryana Govt. Letters No. 22/34/98-3GSIII dated 19.3.99 and dated 5.5.99 on the subject noted above, in which directions were given to reserved seats for admission in the Educational, Technical and Professional Institutions for S.C./B.C., Physically Handicapped, Ex-servicemen and Freedom Fighter candidates. In order to remove some difficulties facing the physically handicapped candidates, it has been decided that for the purpose of admission in Government as well as, in Government aided Educational/Professional/Medical/Engineering/I.T.I.'s/Technical Educational Institutions and Colleges, there will be 3% reservation for physically handicapped (1% for blindness or low vision, 1% for hearing impairment and 1% for locomotor disability or cerebral palsy). But in the event of the quota reserved for physically handicapped candidates, it may be offered to the Ex-servicemen and their wards, (1%) and the dependents of freedom fighters (1%).

(2) These instructions should be brought to the notice of all concerned working under you for information and necessary action.

Yours faithfully,

Sd/-

Joint-Secretary General Administration,
for Chief Secretary to Government,

Haryana

A copy is forwarded to :-

1. All the Financial Commissioners and Secretaries to Government, Haryana
2. All the Administrative Secretaries to Government, Haryana for Information and necessary action.

Sd/-

Joint-Secretary General Administration,
for Chief Secretary to Government,

Haryana

No. 22/8/2004-3GSIII

From

The Chief Secretary to Govt. Haryana

To

1. All the Heads of Department.
Commissioners, Ambala, Rohtak, Gurgaon & Hisar Divisions.
2. The Registrar,
Punjab & Haryana High Court, Chandigarh.
3. All the Deputy Commissioners & Sub-Divisional Officers
(Civil) in Haryana State
Dated Chandigarh, the 7-06-2007.

Subject :- Reservation of posts for Scheduled Castes, Backward Classes under the services of Haryana State.

Sir,

I am directed to refer to Haryana Government Letter No. 22/55/90-3GS-III, dated 9-11-1994 on the subject noted above which interalia laid down that for the purpose of reservation in services, Scheduled Castes in Haryana would be put in two categories i.e. Block A and Block B in direct recruitment. These instructions had been challenged in the Hon'ble Punjab & Haryana High Court by way of Writ Petition 398 of 2004-Gajay Singh Muwal Vs. State of Haryana and other 3 Civil Writ Petitions. The Hon'ble Court vide its common judgment/orders dated 6-07-2006 has quashed the above instructions dated 9-11-1994 in the following terms :-

"We accordingly, find that the present controversy is fully covered by the decision of Supreme Court in the case E.V. Chinnaiah's case (Supra). We, accordingly, would quash the Notification No. 22/55/90-3GS-III, dated 9-11-1994 holding the same to be ultravires of the Constitution."

The State Government has filed a Special Leave Petition CC No. 1789 of 2007-State of Haryana Vs. Gajay Singh Muwal alongwith an application for staying the operation of the judgment/orders dated 6-07-2006 of the Hon'ble High Court in the said case. Similar SLPs have been filed by some private respondents also. However, these SLPs have neither been listed for hearing nor any stay has been granted by the Hon'ble Supreme Court in India, so far.

Under these circumstances the State Government on reconsideration of the matter, has decided to withdraw instructions bearing No. 22/55/90-3GS-III, dated 9-11-1994 subject to the final decision of the Hon'ble Supreme Court in the SLPs referred to above. Consequently, there will be no categorization of the Scheduled Caste into A and B blocks. The vacancies meant for direct recruitment to reserved category of Scheduled Castes will be notified to the recruiting agencies without categorization of Scheduled Castes in A & B Blocks.

Similarly, the Govt. instructions bearing No. 22/34/98-3GS-III, dated 19-3-1999 and even number dated 5-5-1999 and letter No. 22/89/97-3GS-III dated 7-08-2000 regarding admissions in Govt. as well as in Govt. aided/self financing/Educational/Professional/Medical/Engineering/ITIs/Technical Educational Institutions and colleges will be deemed to have been modified to the extent indicated above.

It is requested that these instructions may be brought to the notice of all concerned for strict compliance.

Yours
faithfully,
SD/-
(Sumita Misra)
Special Secretary General
Administration,
For Chief Secretary to

Government Haryana

No. 22/27/2004-2GSIII

From

The Chief Secretary to Government Haryana.

To

1. All Heads of Departments in the Haryana State
2. The Registrar, Punjab and Haryana High Court, Chandigarh.
3. All Deputy Commissioners and Sub-Divisional Officer (Civil) in Haryana State.

Dated Chandigarh, the October 20, 2005

Subject : - Reservation for admission in educational/professional Colleges/Institutions.
Sir/Madam,

I am directed to invite your attention to Haryana Government instruction issued vide letter No. 22/34/98-3GSIII, dated 19.03.99, followed by letters of even number dated 5.05.99 and letter No. 22/89/97-3GSIII, dated 07.08.2000 on the subject noted above, wherein provision for reservation of seats in the educational, technical and professional institutes for the candidates of various categories was made as under :-

1. Scheduled Caste 20% (50 % each 'A' and 'B' Block)
2. Backward Classes 16% A Block
 11% B Block
3. Physically handicapped 3% In the event of quota reserved for physically handicapped remain unutilize due to non availability for suitable category of handicapped candidates, it may be offered to the Ex-servicemen and their wards (1%) and the dependents of Freedom Fighters (1%)

On further consideration of the matter, it has been decided to allow 3% horizontal reservation to Ex-serviceman/ freedom fighters and their dependents by providing reservation within reservation of 1% of general category, 1% out of scheduled castes and 1% from backward classes category for admission to the various educational institutions of the Government and Government aided/self financing colleges/institutes located in Haryana. As far as block allocation in Block A and Block B of Scheduled Castes and Backward Classes categories is concerned, year-wise rotational system will be adopted. For example, if block A of scheduled castes and backward classes are given seats in the academic year 2006, the next block i.e. B Block of categories of scheduled castes and backward classes will be given seats in the next academic year i.e. 2007 and so on .

These instructions should be brought to the notice of all concerned working under your control for strict compliance.

Yours faithfully,

Deputy Secretary General Administration,
for Chief Secretary to Government

Haryana

A copy is forwarded to all the Financial Commissioners and Principal Secretaries/Commissioners and Secretaries to Government Haryana for information and necessary action.

Deputy Secretary General Administration,
for Chief Secretary to Government Haryana

GOVERNMENT OF HARYANA
General Administration Department
General Services – III Branch

No. 22/129/2013-IGS III

Dated Chandigarh the 16.07.2014

1. All the Administrative Secretaries to Government Haryana.
2. All Heads of Departments in the State of Haryana.
3. The Commissioners, Ambala/Hissar/ Rohtak/ Gurgaon Division.
4. All the CAs/ MDs of all Boards/ Corporations/ Public Sector Undertakings in Haryana.
5. The Registrar General of Punjab & Haryana High Court, Chandigarh.
6. All the Deputy Commissioners in the State of Haryana.
7. All the Sub Divisional Officers (Civil) in the State of Haryana.
8. The Registrar of all the Universities in the State of Haryana.

Subject: Regarding prescribing minimum eligibility qualification for the various courses.

Sir/ Madam

I am directed to invite your kind attention towards Government instructions No. 3870-WGI-ASOIII-64/20069 dated 6th / 9th October, 1964 whereby the candidates of Scheduled Castes and Scheduled Tribes provided 5% reduction in marks in the minimum eligibility qualification for admissions in various courses.

It has come to the notice of the Government that at present where a General Category Candidate is required to have 50% marks in a prescribed qualification for admission in any course, as per the above instructions a reserve category candidate is required to have 45% marks giving him 5% reduction in the minimum qualification. Vide judgment of Hon'ble Supreme Court in Civil Appeal No. 7084/2011, It has been observed that the practice is wrong and the relaxation of 5% should be reduced from the minimum required marks on a general category candidate for eg:-

In a course, a general candidate required to have 50% marks, than as per Govt. Instructions by giving 5% relaxation the minimum eligibility marks for a reserved caste candidate should be calculated as under:-

Out of 100 marks needs to less = 5
 Out of 1 Marks needs to less = 5/100
 Out of 50 marks needs to less = 5/100 X 50 + 2.50

This way less marks where general category candidates are required to have 50% in a prescribed qualification the total required marks for a reserved candidates will be 50 – 2.50 = 47.50 and not 45.

All concerned are requested to implement the instructions as per the above procedure in compliance of the judgment of Hon'ble Supreme Court passed in CWP 7084/2011.

Superintendent General Services – III
For Chief Secretary to Govt., Haryana

UNDERTAKING AT THE TIME OF JOINING

(All admitted candidates and their parents will give the following undertaking at the time of joining)

IS/O, D/O Sh.admitted to _____ Course Session 2017 do hereby undertake :-

- i) That after joining the course I will abide by the rules regulations of College and Hostel.
- ii) I am aware that violation of rules/law/instructions regarding ragging would attract Penal /disciplinary action against me.
- iii) That I will abide by the rules/law/instructions issued from time to time.
- iv) That I will abide by the dress/uniform code.
- v) That while residing in Hostel of the Institution, I will not keep Scooter/ Motor Cycle/ Car.
- vi) That I will not consume any INTOXICANTS in Hostel/ College premises.
- vii) That I have read the relevant instructions/regulations against ragging, as well as punishment. I will comply the instructions/regulations and in case I found guilty at any stage, disciplinary action as per above guidelines may be taken against me.

Signature of the Candidate

Address:

I father/Guardian of Mr./Ms. _____ gone through/have read the relevant instructions about the rules and regulations against ragging as well as punishment. My ward will abide by all the rules regulations of College & Hostel. In case my ward has been found guilty I have no objection for initiated any disciplinary action against my ward.

Signature of the Father/Guardian

Address:

Mob./Ph. No.