

Question Booklet No.		Question Booklet Code	<b>D</b>
Candidate's Roll No.		Serial No./ Bar Code No. on the OMR Based Answer Sheet	
<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>		Centre Code	

Roll No. (In words.....)

(Signature of the Candidate).....

I have checked the entries made above and in the OMR Sheet by the candidate.

..... (Signature of the Invigilator)

**Time allowed: 1 Hour 30 Minutes    Total Questions: 100    Maximum Marks: 100**

**KINDLY READ THE FOLLOWING INSTRUCTIONS BEFORE ATTEMPTING THIS QUESTION PAPER**

1. Attempt all the questions. Each question is of one (01) marks.
2. **There is no negative marking.**
3. Before attempting the question paper, kindly check that this booklet has a total of 100 questions. At the start of the examination and within first five minutes, the candidates are advised to ensure that all pages of test booklets and OMR answer sheets are properly printed and test booklet is not damaged in any manner. In case of any discrepancy, the candidate should immediately report the matter to the Invigilator for replacement of test booklet and OMR Answer sheet. No claim in this regard will be entertained after five minutes of start of examination.
4. **All the candidates must return the test booklet as well as first copy of the OMR based answer-sheet to the invigilator concerned before leaving the Examination Hall. Without handing over the test booklet/answer-sheet to the invigilator, a case of use of unfair means/misbehaviour will be registered against him/her in addition to lodging an FIR with the police. The answer sheet of such a candidate will not be evaluated.**
5. **The OMR based Answer Sheet has two copies. The examinee can retain the second copy of the OMR based answer sheet and take that back along with him/her after examination is over.**
6. Do not forget to write roll number on the top of this question booklet and the OMR answer sheet.
7. Do not tear or fold any page of the question booklet and OMR Answer Sheet.
8. Candidates are advised to make sure to fill their name, Roll No. and test booklet code on the OMR Answer sheet in a correct manner only on the space provided. If the space for the Booklet Code is left blank or more than one booklet code is indicated therein or the filling of name and Roll No. is not as per instructions mentioned then it will be deemed to be an incorrect booklet code and Answer Sheet will not be evaluated.
9. Candidates should put his/her signature and thumb impression on required space in the presence of Invigilator in the Examination Hall.
10. **Candidates are warned not to fold or make any stray marks on the OMR Answer Sheet. Use of Eraser, Nail Blade, White Fluid/Whitener etc. to smudge, scratch or damage the OMR sheet in any manner during Examination is strictly prohibited. The Candidature of candidates indulging in such activities shall be cancelled.**
11. Candidate's request to change the Examination Centre and seat in the Examination Hall shall not be entertained.
12. **No candidate shall be allowed to leave the OMR Answer Sheet blank. If any OMR Answer Sheet is found blank, it shall be crossed by the Invigilator with his/her signature and mentioning 'Cancelled' on it.**
13. The OMR Answer Sheet will be evaluated through electronic scanning process. Incomplete or incorrect entries may render your OMR Answer Sheet invalid.
14. Each question has four alternative answers of which only one is correct. For each question, darken only one circle, whichever you think is the correct answer on the OMR Answer Sheet with only Blue/Black Ball Pen provided. Pencil should not be used for darkening the circle. If more than one circle is found darkened, that answer will not be evaluated.
15. **If a candidate does not comply with the instructions as mentioned above or creates any kind of indiscipline, the authorities shall take action as per instructions and in addition can also debar the Candidate from appearing in the Examination, to be held in future and can also file criminal proceedings.**

**DO NOT OPEN THE SEAL UNTIL INSTRUCTED TO DO SO**

**CORRECT METHOD OF ATTEMPTING**



**WRONG METHOD OF ATTEMPTING**





1. March fracture is:  
(A) Fracture of 2<sup>nd</sup> metatarsal (B) Fracture of 4<sup>th</sup> metatarsal  
(C) Fracture of cuboid bone (D) Fracture of navicular bone
2. Multiple cannon ball lesions in chest X-ray is suggestive of:  
(A) Metastases (B) Tuberculosis  
(C) Actinomycosis (D) Pneumoconiosis
3. In which of the following conditions, is typical soap bubble appearance seen on X-ray?  
(A) Osteoblastoma (B) Osteosarcoma  
(C) Osteoclastoma (D) All of the above
4. Which of the following is the most common tumour of posterior cranial fossa in children?  
(A) Epidermoid carcinoma (B) Haemangioblastoma  
(C) Medulloblastoma (D) Craniopharyngioma
5. For X-ray of maxillary sinus, which of the following is the best view?  
(A) Caldwell's view (B) Waters' view  
(C) Towne's view (D) Rhese view
6. The following is the investigation of choice for Bronchiectasis:  
(A) Bronchography (B) HRCT  
(C) Chest radiograph (D) MRI
7. 'Kerleys-B lines' on PA view of the chest is seen at which of the following zones of the lungs?  
(A) Upper zone (B) Near the hilum  
(C) At base near costophrenic angle (D) Near the cardiophrenic angle
8. In which of the following conditions is typical 'target lesions' seen?  
(A) Erythema multiforme  
(B) Fixed drug reaction  
(C) Acute generalized exanthematous pustulosis  
(D) Angioedema
9. A patient with borderline tuberculoid leprosy develops sudden onset foot drop on the left side. Which of the following nerve involvement is likely to have caused this deformity?  
(A) Lateral popliteal nerve (B) Sural nerve  
(C) Posterior tibial nerve (D) Medial popliteal nerve
10. The vaginal epithelial cells that are covered with *Gardnerella vaginalis*, are known by the name of:  
(A) Sezary cells (B) Clue cells  
(C) Tadpole cells (D) Paget cells

11. Which of the following structures in females is resistant to gonococcal infection?  
(A) Urethra (B) Vagina  
(C) Cervix (D) Fallopian tube
12. Ideal water seal for intercostal drainage should be:  
(A) 1 cm (B) 1 inch  
(C) 2 inch (D) 3 inch
13. Ventilatory mode not used in sleep apnoea-hypopnoea syndrome is:  
(A) Nasal CPAP (B) High frequency jet ventilation  
(C) Bilevel PAP (D) All of above
14. In which the following conditions is haemoptysis not seen?  
(A) Chronic bronchitis (B) Emphysema  
(C) Aspergilloma (D) Bronchiectasis
15. Chronic Obstructive Pulmonary Disease (COPD) includes all, EXCEPT:  
(A) Emphysema (B) Chronic bronchitis  
(C) Bronchial asthma (D) Peripheral airways disease
16. Airborne precautions are followed for all of the following, EXCEPT:  
(A) Pulmonary tuberculosis (B) Measles  
(C) Chicken pox (D) MRSA
17. Transmission risk for needle stick injury is highest for:  
(A) HIV (B) Hepatitis B  
(C) Hepatitis C (D) HHV-1
18. The most sensitive indicator for fecal contamination is:  
(A) *Pseudomonas aeruginosa* (B) Thermotolerant *E. coli*  
(C) Bacteriophages (D) *Corynebacterium species*
19. For which of the following organism, does the vaccine strain needs to be changed annually to adjust with seasonal variation?  
(A) Japanese encephalitis (B) Influenza  
(C) Rotavirus (D) Rubella
20. The 'World Hand Hygiene Day' is celebrated every year, on:  
(A) 5<sup>th</sup> April (B) 5<sup>th</sup> November  
(C) 5<sup>th</sup> May (D) 5<sup>th</sup> December



21. 'Ayushman Bharat Pradhan Mantri Jan Aarogya Yojna' was launched in the following year:  
(A) 2017 (B) 2018  
(C) 2019 (D) 2020
22. Who among the following is credited as 'Father of antiseptic surgery'?  
(A) Robert Koch (B) Ignaz Semmelweis  
(C) Joseph Lister (D) Louis Pasteur
23. As per the Bio-Medical Waste Management Rules, 2016, the color coding for disposal of the contaminated recyclable waste is:  
(A) White (B) Red  
(C) Yellow (D) Blue
24. The International Committee on Taxonomy of viruses has officially decided to designate the causative organism for COVID-19 as:  
(A) MERS-CoV-1 (B) SARS-CoV-1  
(C) SARS-CoV-2 (D) MERS-CoV-2
25. Which of the following is not a drug of choice for ascariasis:  
(A) Albendazole (B) Metronidazole  
(C) Levamisole (D) Pyrantel
26. Which of the following muscle prevents lateral displacement of patella during extension at knee joint?  
(A) Rectus femoris (B) Vastus lateralis  
(C) Vastus intermedius (D) Vastus medialis
27. A tuft of hair on the back of a newborn, is likely to be associated with:  
(A) Spina bifida occulta  
(B) Klippel Feil syndrome  
(C) Spina bifida cystica (myelomeningocele)  
(D) Hypertrichosis lanuginosa
28. A lesion of left hypoglossal nerve causes:  
(A) Deviation of tongue to the right on protrusion  
(B) Loss of taste sensation on the left half of the posterior one-third  
(C) Deviation of tongue to the left on protrusion  
(D) Total inability to protrude the tongue
29. Violent inversion of foot will lead to avulsion of the tendon of which of the following muscle attached to the tuberosity of 5<sup>th</sup> metatarsal?  
(A) Peroneus brevis (B) Peroneus longus  
(C) Peroneus tertius (D) Extensor digitorum brevis

30. The Sickle cell anemia results because of a defect in which of the following chain?  
(A) Alpha chain (B) Beta chain  
(C) Gamma chain (D) Delta chain
31. Parahemophilia is due to the deficiency of:  
(A) Factor I (B) Factor V  
(C) Factor VII (D) Factor IX
32. 'In brain ischemia, systemic blood pressure rises'. This is called as:  
(A) Baroreceptor reflex (B) Cushing reflex  
(C) Bainbridge reflex (D) Bezold Jarisch reflex
33. Which end product of citric acid cycle is used in detoxification of ammonia in brain?  
(A) Oxaloacetate (B) Alpha-ketoglutarate  
(C) Succinate (D) Citrate
34. A person on a fat free carbohydrate rich diet continues to grow obese. Which of the following lipoproteins is going to be elevated in his blood?  
(A) Chylomicrons (B) VLDL  
(C) LDL (D) HDL
35. Which of the following organs does not utilize ketone bodies?  
(A) Liver (B) Brain  
(C) Skeletal muscles (D) Cardiac muscles
36. Which of the following drug is used for rapid symptomatic relief of urinary symptoms in benign prostatic hypertrophy?  
(A) Tamsulosin (B) Finasteride  
(C) Flutamide (D) Dutasteride
37. All of the following drugs reduce mortality in patients of congestive cardiac failure EXCEPT:  
(A) Furosemide (B) Hydralazine-Isosorbide dinitrate  
(C) Telmisartan (D) Carvedilol
38. Which of the following tumour occurs due to radiation exposure?  
(A) Giant cell tumour of bone (B) Colorectal carcinoma  
(C) Seminoma (D) Papillary carcinoma of thyroid gland
39. An adult patient has presented to the OPD with symptoms presumptive of pulmonary tuberculosis. According to the RNTCP, the first diagnostic step to be taken is:  
(A) Sputum CBNAAT (B) Smear for AFB & chest X-ray  
(C) Mycobacterium liquid culture (D) Tuberculin skin test



40. As per the CDC criteria, which of the following is not a notifiable disease?  
(A) Streptococcal toxic shock syndrome. (B) Cholera  
(C) Tetanus (D) Yellow fever
41. First dose of PEP for HIV should be taken not later than:  
(A) 12 hours (B) 24 hours  
(C) 48 hours (D) 72 hours
42. For doing gastric lavage, the length of the stomach tube, that is introduced is:  
(A) 30 cm (B) 40 cm  
(C) 50 cm (D) 60 cm
43. Paltauf's haemorrhages are seen in:  
(A) Eyes (B) Heart  
(C) Lungs (D) Stomach
44. After coitus, motile sperms can be detected in vaginal aspirate for a period of:  
(A) 6-12 hours (B) 12-18 hours  
(C) 18-24 hours (D) 24-36 hours
45. Extradural haemorrhage is commonly caused by damage to:  
(A) Anterior meningeal artery (B) Middle meningeal artery  
(C) Posterior meningeal artery (D) Anterior ethmoidal artery
46. 'Roving ring scotoma' is seen in:  
(A) Following retinal detachment surgery (B) Aphakic glasses  
(C) High myopia (D) Advanced glaucoma
47. Aqueous humor is secreted by:  
(A) Iris pigmentary epithelium (B) Trabecular meshwork  
(C) Ciliary body epithelium (D) Corneal endothelium
48. 'Brain fungus' is the term used for:  
(A) Aspergillosis of mid brain  
(B) Herniation of brain into mastoid cavity  
(C) Complication of invasive fungal sinusitis  
(D) Mucormycosis of brain stem
49. In diphtheria treatment, dose of the anti-diphtheritic serum is dependent on the:  
(A) Age of the patient (B) Weight of the patient  
(C) Duration of illness (D) Complications of diphtheria

50. Term 'adenoid facies' does not include:  
(A) Open mouth (B) High cheek bones  
(C) Projecting upper incisor teeth (D) High arched palate
51. Under 'Home Based Newborn Care (HBNC)', number of visits made by ASHA, in case of home delivery (upto 42 days) is:  
(A) 3 (B) 5  
(C) 7 (D) 9
52. In India, 'anti-malaria month' is observed every year in the month of:  
(A) June (B) July  
(C) August (D) September
53. Daily requirement of iodine for an adult is:  
(A) 50  $\mu\text{g}$  (B) 100  $\mu\text{g}$   
(C) 150  $\mu\text{g}$  (D) 200  $\mu\text{g}$
54. Arrange the following in descending order of their carbohydrate content:  
(i) Sugar (ii) Jaggery (iii) Potato (iv) Rice  
(A) (i), (ii), (iii), (iv) (B) (i), (ii), (iv), (iii)  
(C) (i), (iii), (ii), (iv) (D) (i), (iii), (iv), (ii)
55. Which of the following disease is transmitted by pubic lice?  
(A) Epidemic typhus (B) Relapsing fever  
(C) Trench fever (D) None of the above
56. Which of the following is not primary prevention?  
(A) Pulse polio immunization  
(B) Vitamin A supplementation  
(C) Self breast examination for tumor  
(D) Isoniazid to a baby breast fed by a sputum AFB positive mother
57. The best indicator for availability, utilization and effectiveness of health care service in country is:  
(A) Disability adjusted life years (B) Hospital bed occupancy rate  
(C) Infant mortality rate (D) Physical quality of life index
58. Delphi method is a:  
(A) Contraceptive technique (B) Method of communication  
(C) Tool for calculating sample size (D) None of the above
59. Breast milk can be stored in refrigerator (without spoiling) upto:  
(A) 4 hours (B) 24 hours  
(C) 4 days (D) 10 days



60. Following are the beneficiary of weekly iron & folic acid supplementation for prevention of anaemia under revised strategy of iron plus initiative, EXCEPT:  
(A) Children 6 months to five years of age  
(B) Children 5 to ten years of age  
(C) Adolescents 10-19 years of age  
(D) Women of reproductive age of 15-45 years
61. 'Nikshay' is a code based web IT system used for the surveillance of:  
(A) Malaria (B) Japanese encephalitis  
(C) HIV/AIDS (D) Tuberculosis
62. The programme strategies under National Viral Hepatitis Control Programme includes the following EXCEPT:  
(A) Immunization against Hepatitis A (B) Immunization against Hepatitis B  
(C) Diagnosis & treatment of Hepatitis B (D) Diagnosis & Treatment of Hepatitis C
63. Following diseases are included under National Vector Borne Disease Control Programme, EXCEPT:  
(A) Filariasis (B) Yellow fever  
(C) Leishmaniasis (D) Dengue fever
64. First referral unit should have the minimum of the following facilities, EXCEPT:  
(A) Obstetric surgery (B) Blood transfusion  
(C) Specialist pediatric care (D) Specialist medical care
65. With the Government of India committed to achieve the sustainable development goal of ending tuberculosis by 2025, the Revised national Tuberculosis Control Programme has been renamed as:  
(A) National End Tuberculosis Programme  
(B) National Tuberculosis Elimination Programme  
(C) National Tuberculosis Eradication Programme  
(D) No change in existing nomenclature
66. Open Vial Policy under the National Immunisation Programme, is not applicable to the following vaccines, EXCEPT:  
(A) BCG vaccine (B) JE vaccine  
(C) Hepatitis B vaccine (D) None of the above.



67. What is the main objective of 'Janani Suraksha Yojana', which is an activity under National Family Welfare Programme?  
 (A) To reduce maternal and neonatal mortality  
 (B) To promote ASHA to motivate people for safe delivery  
 (C) To provide financial incentive to pregnant women  
 (D) To promote all India post-partum programme

68. Sweating is absent in which of the following heat syndrome?  
 (A) Heat cramps (B) Exertional heat stroke  
 (C) Heat exhaustion (D) Classic heat stroke

69. Harmful effects are well documented with high doses of each of the following vitamins, EXCEPT:  
 (A) Vitamin A (B) Biotin  
 (C) Vitamin C (D) Vitamin D

70. All of the following substances are poorly adsorbed by activated charcoal, EXCEPT:  
 (A) Ethanol (B) Benzodiazepines  
 (C) Acids (D) Lithium

71. Which of the following first aid measures is the only one recommended now in the field to limit snake envenomation?  
 (A) Placing a tourniquet above the bite site (B) Mechanical suction of the bite site  
 (C) Immobilising the bitten extremity (D) Incising the bite site

72. Associate the type of crisis in sickle cell anaemia with clinical conditions against it:

	Type of crisis		Clinical condition
A	Aplastic crisis	1.	severe pain, tissue damage & necrosis
B	Vaso-occlusive crisis	2.	Decreased Hb & Hct, high reticulocyte count, and jaundice.
C	Haemolytic crisis with splenic sequestration	3.	Low reticulocyte count, and Parvovirus B19 infection

Choose the best answer from below:

- (A) A-1, B-3, C-2 (B) A-2, B-3, C-1  
 (C) A-3, B-2, C-1 (D) A-3, B-1, C-2
73. Out of the following, the best vein for total parenteral nutrition is:  
 (A) Subclavian vein (B) Femoral vein  
 (C) Brachial vein (D) Saphenous vein

74. Chronic vomiting leads to all, EXCEPT:  
(A) Hyponatremia (B) Hypochloremia  
(C) Metabolic alkalosis (D) Metabolic acidosis
75. Content of  $\text{Na}^+$  in Ringer Lactate is:  
(A) 154 mEq/L (B) 136 mEq/L  
(C) 130 mEq/L (D) 14 mEq/L
- 
76. In which of the following infections, the rash spreads from the hairline downwards?  
(A) Measles (B) Dengue  
(C) Infectious mononucleosis (D) Epidemic typhus
- 
77. In the classification of wounds, 'class III wound' is:  
(A) Clean (B) Dirty  
(C) Clean contaminated (D) Contaminated
78. Which of the following is the most common cause of radiolucent urinary calculus?  
(A) Uric acid (B) Cystine  
(C) Calcium oxalate (D) Phosphate
79. Most common indication of circumcision is:  
(A) Phimosis (B) Recurrent balanoposthitis  
(C) Recurrent UTI (D) Request for cultural reasons
80. Obstructive jaundice does not cause:  
(A) Pruritus (B) Elevated serum bilirubin  
(C) Raised Alkaline Phosphatase (D) Raised Urinary urobilinogen
81. Most common type of intussusception is:  
(A) Ileoileal (B) Ileocolic  
(C) Colocolic (D) Retrograde
82. A 30-year old woman presents to doctor, with fear of developing ovarian cancer. Her 70-year old grandmother had also recently died of ovarian cancer. She is counselled about the risk factors and prevention for ovarian cancer. Which of the following can decrease in a woman, risk of ovarian cancer?  
(A) Use of combined oral contraceptive therapy  
(B) Menopause after the age of 55  
(C) Non-steroidal anti-inflammatory drugs  
(D) Nulliparity



83. Life threatening malformation, that can be corrected in utero, are all, EXCEPT:  
(A) Congenital diaphragmatic hernia  
(B) Conjoint twins  
(C) Congenital cystic adenomatid malformation with hydrops  
(D) Sacrococcygeal teratoma with hydrops
84. Most specific marker indicative of neural tube defect is:  
(A) Alpha fetoprotein (B) Unconjugated estriol  
(C) Acetylcholinesterase (D) Pseudocholinesterase
85. Daily requirement of folic acid in normal pregnant woman is:  
(A) 50-100mcg /day (B) 400mcg /day  
(C) 1 mg /day (D) 5mg /day
86. Commonest cause of primary amenorrhea, in a 16 year old girl is:  
(A) Absent uterus (B) Imperforate hymen  
(C) Transverse vaginal septum (D) Constitutional delay
87. Drug of choice for treating a girl with precocious puberty is:  
(A) Medroxy-progesterone acetate (B) Cyproterone acetate  
(C) GnRH analogue (D) Danazol
88. Which of the following methods of laparoscopic sterilization is associated with minimal loss of fallopian tube:  
(A) Filshie clip (B) Fallope ring  
(C) Hulka's clip (D) Laparoscopic diathermy
89. If on fetal echocardiography, it is reported as congenital heart block, then mother should be investigated for:  
(A) Congenital heart disease (B) Systemic lupus erythematosus  
(C) Antiphospholipid antibody syndrome (D) Autoimmune hemolytic anemia
90. Most effective therapy for the treatment of bacterial vaginosis during pregnancy is:  
(A) Clindamycin (B) Erythromycin  
(C) Metronidazole (D) Ampicillin
91. Which of the following is the most common cause of diaphragmatic hernia?  
(A) Patency of Bochdalek foramen  
(B) Patency of Morgagni canal  
(C) Defect in muscular portion of diaphragm  
(D) Defect in membranous portion of diaphragm

92. Which heart disease is associated with 'Turner syndrome'?
- (A) VSD (B) ASD  
(C) Endocardial cushion defect (D) Bicuspid aortic valve
93. Which statement out of the following, depicts action of Atrial Natriuretic factor?
- (A) Inhibits renin and aldosterone and increases glomerular filtration rate (GFR)  
(B) Increases blood pressure and decreases GFR.  
(C) Decreases circulating blood volume, stimulates release of ADH  
(D) Stimulates renin and increases GFR
94. All of the following can lead to hypernatremic dehydration, EXCEPT:
- (A) Diabetes insipidus (B) Improperly mixed formula feed  
(C) Putting child under radiant warmer (D) Cholera
95. Colostrum is rich in which of the following vitamins?
- (A) Vitamin K (B) Vitamin D  
(C) Vitamin B12 (D) Vitamin A
96. All of the following conditions will increase maintenance fluid requirement in a child, EXCEPT:
- (A) Fever (B) Hyperventilation  
(C) Phototherapy (D) Hypothyroidism
97. Which one out of the following is part of the carnitine deficiency?
- (A) Low free fatty acids (B) Low triglyceride  
(C) Hyperglycaemia (D) Cardiomyopathy
98. In vegan mothers, breast milk is deficient in which of the following nutrients?
- (A) Vitamin C (B) Vitamin A  
(C) Vitamin B12 (D) Thiamine
99. Distal inter-phalangeal joints of hands are commonly involved in:
- (A) Still's disease (B) Ankylosing spondylitis  
(C) Psoriatic arthropathy (D) Rheumatoid arthritis
100. Milwaukee brace is used for:
- (A) Club foot (B) Spondylolisthesis  
(C) Scoliosis (D) Knock knee



**Answer Key Set-D**

1	A	26	D	51	C	76	A
2	A	27	A	52	A	77	D
3	C	28	C	53	C	78	A
4	C	29	A	54	A	79	D
5	B	30	B	55	D	80	D
6	B	31	B	56	C	81	B
7	C	32	B	57	C	82	A
8	A	33	B	58	B	83	B
9	A	34	B	59	C	84	A
10	B	35	A	60	A	85	B
11	B	36	A	61	D	86	D
12	B	37	A	62	A	87	C
13	B	38	D	63	B	88	A
14	B	39	B	64	D	89	B
15	C	40	A	65	B	90	C
16	D	41	D	66	C	91	A
17	B	42	C	67	A	92	D
18	B	43	C	68	D	93	A
19	B	44	A	69	B	94	D
20	C	45	B	70	B	95	D
21	B	46	B	71	C	96	D
22	C	47	C	72	D	97	D
23	B	48	B	73	A	98	C
24	C	49	C	74	D	99	C
25	B	50	B	75	C	100	C