

Printed Pages: 10

Sr. No.....

WST-DCI-MDS-ORTHOD-201D-P-1-SET-1-A

Total Questions: 100

Max. Marks: 100

Time: Two Hours

Roll No. (in figures)

(in words).....

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(Signature of Candidate)

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

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WST-DCI-MDS-ORTHOD-2018-P-1-SET-1-A

1. All the following are characteristics of oculomotor nerve, Except:
 - A. Carries parasympathetic nerve fibres
 - B. Supplies inferior oblique muscle
 - C. Enters orbit through the inferior orbital fissure
 - D. Causes constriction of pupil

2. The cells belonging to the following type of epithelium are provided with extra reserve of cell membrane:
 - A. Transitional
 - B. Stratified squamous
 - C. Stratified cuboidal
 - D. Stratified columnar

3. All of the following statements regarding the spinal cord are true, except:
 - A. Central canal lies in the white matter
 - B. Efferent fibres leave from the anterior horn
 - C. Spinal cord ends at the lower border of L₁ in adults
 - D. Denticulate ligaments suspend spinal medulla in the subarachnoid space

4. Tongue movement has primarily its effect on:
 - A. Lip
 - B. Cheek
 - C. Palatoglossal arch
 - D. Facial musculature

5. Intrinsic muscles of tongue are derived from
 - A. Cervical somites
 - B. Occipital somites
 - C. Pharyngeal arch mesoderm
 - D. 2nd branchial cleft

6. A patient complains of loss of taste and numbness in the left half of his tongue after removal of his left lower wisdom tooth. Which of the following nerve is most likely to be injured during removal of this tooth?
 - A. Mandibular nerve
 - B. Inferior alveolar nerve
 - C. Glossopharyngeal nerve
 - D. Lingual nerve

7. The position of maximum inner cuspatation of upper and lower teeth is known as:-
 - A. Centric position
 - B. Centric occlusion
 - C. Centric relation
 - D. Centric organization

8. At the age of nine years, the mandibular permanent first molar has its distal contact with which of the following teeth:
 - A. First premolar
 - B. Second deciduous molar
 - C. No distal contact
 - D. Second premolar

9. Which dentin is continuously produced throughout life?
 - A. Interglobular dentin
 - B. Intertubular dentin
 - C. Tertiary
 - D. Intratubular dentin

10. Lacrimal secretion is diminished if the following site of nerve is damaged:
 - A. Parotid nerve
 - B. Gasserian ganglia
 - C. Ciliary ganglia
 - D. Pterygopalatine ganglion

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11. A patient has loss of sensation at angle of mandible. Which of the following nerve is most likely to be injured?
A. Greater auricular nerve
B. Lesser occipital nerve
C. Mandibular nerve
D. Auriculo-temporal nerve
12. All are branches of ophthalmic nerve, except:
A. Lacrimal nerve
B. Frontal nerve
C. Nasociliary nerve
D. Superior rectus nerve
13. Primary and secondary palates are divided by:
A. Incisive foramen
B. Alveolar arch
C. Canine teeth
D. Greater palatine foramen
14. The frontal paranasal sinus drains into the:
A. Superior meatus
B. Middle meatus
C. Inferior meatus
D. Spheno-ethmoidal recess
15. A midline cleft lip is due to the failure of fusion between:
A. Fronto-nasal processes
B. Maxillary processes
C. Medial and lateral nasal process
D. Medial nasal and maxillary process
16. How many nuclei does Trigeminal nerve have in CNS:
A. Three
B. Five
C. Four
D. Six
17. Stensen's duct opens at the:
A. Upper 2nd molar teeth
B. Upper 1st premolar teeth
C. Upper 1st molar teeth
D. Upper 3rd molar teeth
18. In dislocation of the jaw, displacement of the articular disc beyond the articular tubercle of the temporomandibular joint results from spasm or excessive contraction of the following muscle:
A. Temporalis
B. Masseter
C. Buccinator
D. Lateral pterygoid
19. Posterior belly of digastric is supplied by:
A. Facial nerve
B. Mandibular nerve
C. Maxillary nerve
D. Hypoglossal nerve
20. After tonsillectomy, a patient loses sensation over the posterior part of tongue. Which nerve is likely to get damaged?
A. Lingual nerve
B. Glossopharyngeal nerve
C. Hypoglossal nerve
D. Chorda tympani nerve
21. The dye commonly used in determining plasma volume is :
A. Congo red
B. Eosin yellow
C. Silver nitrate
D. Evan's blue

22. The largest WBC is:
A. Monocyte
B. Neutrophil
C. Eosinophil
D. Basophil
23. The protein associated with thick filament is :
A. Actin
B. Myosin
C. Troponin
D. Tropomyosin
24. Second heart sound is produced due to closure of :
A. Atrioventricular valves
B. Mitral valve
C. Semilunar valves
D. Tricuspid valve
25. The normal tidal volume is :
A. 150 ml
B. 300 ml
C. 500 ml
D. 1000 ml
26. Jerky movements of eyeballs is called :
A. Akinesia
B. Nystagmus
C. Dysmetria
D. Myopia
27. Color vision is tested by :
A. Ishihara's chart
B. Snellen's chart
C. Jaeger's chart
D. Landold's chart
28. Myxoedema occurs due to :
A. Hyperthyroidism in adults
B. Hyperthyroidism in children
C. Hypothyroidism in adults
D. Hypothyroidism in children
29. Aldosterone is chiefly secreted by :
A. Zona glomerulosa
B. Zona fasciculata
C. Zona reticularis
D. Zona pellucid
30. Fertilization occurs in :
A. Fallopian tube
B. Uterine cavity
C. Cervix
D. Vagina
31. Sertoli cells are present in :
A. Epididymis
B. Seminal vesicles
C. Prostate
D. Seminiferous tubules
32. The anticoagulants include all of the following EXCEPT :
A. Heparin
B. EDTA
C. Vitamin K
D. Trisodium citrate
33. The process of concentrating the urine is the main function of :
A. Cortical nephron
B. Descending loop of Henle
C. Juxtamedullary nephron
D. Collecting duct

34. The receptor for stretch reflex is :
A. Muscle spindle
B. Golgi tendon organ
C. Pacinian corpuscles
D. Ruffini's end organs
35. The type of cellular connections for the tissue to function as syncytium is:
A. Desmosomes
B. Gap junctions
C. Tight junctions
D. Hemidesmosomes
36. Fibrinogen is converted into fibrin by :
A. Thrombin
B. Prothrombin
C. Prothrombin activator
D. Calcium
37. Structural and functional unit of muscle is :
A. Sarcotubular system
B. Sarcoplasmic reticulum
C. Sarcolemma
D. Sarcomere
38. Person becomes poikilothermic by destruction of :
A. Anterior hypothalamus
B. Posterior hypothalamus
C. Lateral hypothalamus
D. VMN of hypothalamus
39. Impairment of mental functions occurs when PO₂ falls below :
A. 75 mm Hg
B. 40 mm Hg
C. 60 mm Hg
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40. In hypercapnic patients, of severe pulmonary failure, O₂ therapy will :
A. Depress ventilation
B. Stimulate ventilation
C. No effect on ventilation
D. Stimulate peripheral chemoreceptor
41. Identify the correct sequential stages of mitosis :
A. Metaphase, telophase, anaphase, prophase
B. Telophase, metaphase, prophase, anaphase
C. Prophase, metaphase, anaphase, telophase
D. Prophase, anaphase, telophase, metaphase
42. Following are routes of transmission of HIV except :
A. Mosquito bite
B. Sexual contact
C. Parenteral transmission
D. Perinatal transmission
43. Meiosis occurs in :
A. Haploid cells
B. Diploid cells
C. Triploid cells
D. Both haploid and diploid cells
44. Lobar pneumonia is caused by all except :
A. Streptococcus
B. Staphylococcus
C. Mycobacterial tuberculi
D. Pseudomonas

45. Cervical smear examination is used to screen :
A. Cervical canal lesions B. Lung lesions
C. Cervical lymph node lesions D. Ovarian lesions
46. All infections are transmitted by transfusion of blood and their products except :
A. HIV B. Hepatitis B
C. Syphilis D. Tuberculosis
47. Which phase comes in between G1 and G2 phase?
A. S phase B. Interphase
C. M phase D. G₀ phase
48. Following are the opportunistic infections in AIDS except :
A. Candidiasis B. Hepatocellular carcinoma
C. Lymphoma D. Pneumonia
49. A form of coordinated programmed cell death is called :
A. Apoptosis B. Necrosis
C. Lysis D. Cloning
50. Osmotic fragility is increased in :
A. Thalassemia B. Sickle cell anaemia
C. Hereditary spherocytosis D. Iron deficiency anaemia
51. True about Penicillin G is :
A. It is usually given orally
B. It has a broad spectrum of activity
C. Used for the treatment of rat bite fever
D. Probenecid given along with penicillin-G decreases its duration of action
52. Which of the following is not a prodrug?
A, Quinapril B. Fosinopril
C. Benzopril D. Lisinopril
53. Salbutamol is the most appropriate drug to manage :
A. Acute asthma B. Angina pectoris.
C. Myocardial infarction D. Epilepsy
54. Sodium salicylate is administered to a patient with rheumatoid arthritis because it is a/an:
A. Anti-inflammatory agent B. Sedative
C. Antiseptic D. Antiplatelet agent
55. A 58 year old woman complains of electric shock-like pain on the left side of the chin and lip when eating or taking a hot shower. Which of the following medications is most appropriate to confirm the diagnosis?
A. Amoxicillin B. Carbamazepine
C. Acetaminophen and codeine D. Ibuprofen

56. A 5 year old child has yellow pigmentation on the deciduous teeth which under ultraviolet light gives a bright yellow fluorescence. The most likely diagnosis is :
- A. Tetracycline pigmentation.
 - B. Pigmentation associated with chromogenic bacteria.
 - C. Amelogenesis imperfecta.
 - D. Enamel hypoplasia
57. A patient who has been prescribed metronidazole should avoid :
- A. Alcohol
 - B. Antacids
 - C. Caffeine
 - D. Grapefruit juice
58. Acute anaphylactic reactions to penicillin are LEAST likely to occur :
- A. In patients with a negative skin test to penicillin.
 - B. Within minutes after drug administration.
 - C. In patients who have already experienced an allergic reaction to the drug.
 - D. When the drug is administered parenterally.
59. All the following medications can be used for the treatment of *Candida albicans* EXCEPT :
- A. Nystatin
 - B. Fluconazole
 - C. Chlorhexidine
 - D. Amoxicillin
60. An immediate toxic reaction to a local anaesthetic administration is caused by a/an:
- A. Deterioration of the anaesthetic agent
 - B. Hypersensitivity to the vasoconstrictor
 - C. Hypersensitivity to the anaesthetic agent
 - D. Excessive blood level of the anaesthetic agent
61. During drug-receptor interaction, local anaesthetics interfere with the transport of which of the following ions?
- A. Potassium.
 - B. Calcium
 - C. Sodium
 - D. Chloride
62. Following IV administration of a benzodiazepine, a patient becomes apnoeic and unresponsive. Which of the following drugs should be administered immediately?
- A. Naloxone
 - B. Propranolol.
 - C. Flumazenil
 - D. Atropine
63. In drug synergism, a drug :
- A. Acts in conjunction with another drug beneficially.
 - B. Accumulates in the body at a faster rate than it is destroyed or removed.
 - C. Is concentrated in the kidneys.
 - D. Produces active metabolites.
64. A drug with anticholinergic side effects may cause :
- A. Convulsions
 - B. Diarrhea
 - C. Tremors
 - D. Xerostomia
65. Which of the following drugs will NOT cause gingival hyperplasia?
- A. Cyclosporine
 - B. Doxepin
 - C. Phenytoin
 - D. Verapamil

66. Time-dependent plastic deformation of a material is called as :
A. Creep
B. Viscosity
C. Flow
D. Elasticity
67. Which of the following is true of ZOE paste?
A. Longer the mixing, faster the setting
B. Less than P/L ratio, slower is the setting
C. Higher the temperature of mixing slab, faster is the setting
D. All of the above
68. Inlay wax is used to :
A. Temporarily cement inlays
B. Make inlays wax patterns
C. Invest inlay patterns
D. Box models
69. Boxing wax is also called as :
A. Carding wax
B. Utility wax
C. Inlay wax
D. Sticky wax
70. Dental porcelains are crystalline materials of :
A. Rubber
B. Plastic
C. Organic substance
D. Glass
71. Which of the following gypsum products is used as die material?
A. Type I
B. Type II
C. Type III
D. Type IV
72. Setting expansion is advantageous in :
A. Casts
B. Investment
C. Models
D. Dies
73. Polymer – monomer proportion of polymethyl methacrylate is:
A. 3:1 by volume
B. 2:1 by weight
C. Both of the above
D. None of the above
74. Cross – linking agent in polymethyl methacrylate is:
A. Hydroquinone
B. Tertiary amine
C. Glycol dimethacrylate
D. Stable salts of sulfonic acid
75. Duration of 'Bench curing' is:
A. 20 minutes
B. 30 minutes
C. 90 minutes
D. 120 minutes
76. Soldering of metal parts occurs at temperature of about :
A. Above 450°C
B. Below 450°C
C. Room temperature
D. None of the above
77. Dental solders should possess :
A. Fusion temperature at least 50°C greater than that of parent metal
B. Fusion temperature equal to that of parent metal
C. Fusion temperature at least 50°C lesser than that of parent metal
D. Fusion temperature at least 100°C lesser than that parent metal

78. Which of the following zones of a flame is used for heating the joint area during soldering?
A. Oxidizing zone
B. Reducing zone
C. Neutral zone
D. Both 'B' and 'C'
79. A true eutectic alloy has :
A. Melting point below the melting point of either metal
B. Melting point above the melting point of component metals
C. Melting point below that of high fusion metal
D. Melting point above that of low fusing metal
80. Which of the following dimensions of the colour describes relative lightness and Darkness?
A. Value
B. Chroma
C. Hue
D. Esthelite
81. The wetting of an adherend surface by an adhesive is related to :
A. Surface energy of the adherend
B. Surface texture of the adherend
C. Surface tension of the adherend
D. Nature of the adherent that is crystalline or amorphous
82. Galvanic shock in amalgam restoration can be avoided by :
A. Giving zinc phosphate base under the filling
B. Maintaining proper marginal seal between restoration and tooth interface
C. Application of varnish over the surface of restoration
D. All of the above
83. Ideal requirement of metal ceramic casting include:
A. Low fusing ceramic and high fusing alloys
B. Matching of coefficients of thermal expansion of ceramics and alloy
C. Bonding between ceramic and alloy
D. All of the above
84. Dental porcelains are classified according to :
A. Method of firing
B. Temperature of firing
C. According to substructure
D. All of the above
85. All of the following affect strength of polymethyl methacrylate except: :
A. Composition of resin
B. Water sorption
C. Degree of polymerization
D. None of the above
86. Chemical bond to denture is present in:
A. Porcelain teeth
B. Resin teeth
C. Both of the above
D. None of the above
87. Desensitizing action in desensitizing tooth paste is due to :
A. Glycerol
B. Potassium nitrate
C. Calcium carbonate
D. None of the above

WST-DCI-MDS-ORTHOD-2018-P-1-SET-1-A

88. Which of the following is used as/for grit blasting of base metal alloys?
A. Tripoli
B. Rouge
C. Emery
D. Aluminium oxide
89. Gingival irritation is least with :
A. Glazed porcelain
B. Glazed composites
C. Polished gold restorations
D. Polished amalgam
90. The point at which a stress of a material exhibits a specific limited deviation P is called :
A. Proportional limit
B. Tensile strength
C. Ultimate strength
D. Yield strength
91. The gas that produces high temperature is :
A. Hydrogen
B. Helium
C. Acetylene
D. Propane
92. The zinc oxide-eugenol impression pastes harden by :
A. Chemical reaction
B. Cold
C. Heat
D. Pressure
93. Most accurate reproduction of details can be obtained by :
A. Polysulfides
B. Addition silicones
C. Condensation silicones
D. Polyethers
94. The American Dental Association (ADA) specification number for non – aqueous elastomeric dental impression material is :
A. 19
B. 20
C. 21
D. 26
95. Amalgam means :
A. A metallic powder composed of silver, tin, copper and zinc
B. An alloy of two or more metals, one of which is mercury
C. An alloy of two or more metals that have been dissolved in each other in the molten state
D. A metallic substance in powder or tablet form that is mixed with mercury
96. Divestment is a combination of :
A. Improved stone + gypsum bonded investment
B. Improved stone + phosphate bonded investment
C. Die stone + ethyl silicate – bonded investment
D. None of the above
97. Room temperature – vulcanized (RTV) silicones resemble:
A. Condensation silicone
B. Addition silicone
C. Both of the above
D. None of the above
98. The latest method of curing denture base resin is by :
A. Heat
B. Visible light
C. Chemicals
D. Lasers

WST-DCI-MDS-ORTHOD-2018-P-1-SET-1-A

99. The commonly used acid for enamel etching is :
- A. EDTA 4 %
 - B. Citric acid 2 %
 - C. Phosphoric acid 37 %
 - D. Malic acid 30 %
100. Which of the following composites are recommended only for non – stress bearing anterior restorations?
- A. Microfilled
 - B. Hybrid
 - C. Conventional
 - D. Small parctilce filled

KEY OF DCI-MDS-ORTHOD-2018-P-1SET-1-A							
	KEY		KEY		KEY		KEY
1	C	26	B	51	C	76	B
2	A	27	A	52	D	77	C
3	A	28	C	53	A	78	B
4	C	29	A	54	A	79	A
5	B	30	A	55	B	80	A
6	D	31	D	56	A	81	A
7	B	32	C	57	A	82	C
8	C	33	C	58	A	83	D
9	D	34	A	59	D	84	D
10	D	35	B	60	D	85	D
11	A	36	A	61	C	86	B
12	D	37	D	62	A	87	B
13	A	38	B	63	A	88	D
14	B	39	B	64	D	89	A
15	A	40	A	65	B	90	D
16	C	41	C	66	A	91	C
17	A	42	A	67	D	92	A
18	D	43	A	68	B	93	B
19	A	44	C	69	A	94	A
20	B	45	A	70	D	95	B
21	D	46	C	71	D	96	A
22	A	47	A	72	B	97	A
23	B	48	B	73	C	98	B
24	C	49	A	74	C	99	C
25	C	50	C	75	B	100	A

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WST-DCI-MDS-ORTHOD-2018-P-1-SET--B

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A. Akinesia
B. Nystagmus
C. Dysmetria
D. Myopia
2. Color vision is tested by :
A. Ishihara's chart
B. Snellen's chart
C. Jaeger's chart
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WST-DCI-MDS-ORTHOD-2018-P-1-SET--B

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B. Telophase, metaphase, prophase, anaphase
C. Prophase, metaphase, anaphase, telophase
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C. In patients who have already experienced an allergic reaction to the drug.
D. When the drug is administered parenterally.

WST-DCI-MDS-ORTHOD-2018-P-1-SET--B

34. All the following medications can be used for the treatment of *Candida albicans* EXCEPT :
- A. Nystatin
B. Fluconazole
C. Chlorhexidine
D. Amoxicillin
35. An immediate toxic reaction to a local anaesthetic administration is caused by a/an:
- A. Deterioration of the anaesthetic agent
B. Hypersensitivity to the vasoconstrictor
C. Hypersensitivity to the anaesthetic agent
D. Excessive blood level of the anaesthetic agent
36. During drug-receptor interaction, local anaesthetics interfere with the transport of which of the following ions?
- A. Potassium.
B. Calcium
C. Sodium
D. Chloride
37. Following IV administration of a benzodiazepine, a patient becomes apnoeic and unresponsive. Which of the following drugs should be administered immediately?
- A. Naloxone
B. Propranolol.
C. Flumazenil
D. Atropine
38. In drug synergism, a drug :
- A. Acts in conjunction with another drug beneficially.
B. Accumulates in the body at a faster rate than it is destroyed or removed.
C. Is concentrated in the kidneys.
D. Produces active metabolites.
39. A drug with anticholinergic side effects may cause :
- A. Convulsions
B. Diarrhea
C. Tremors
D. Xerostomia
40. Which of the following drugs will NOT cause gingival hyperplasia?
- A. Cyclosporine
B. Doxepin
C. Phenytoin
D. Verapamil
41. Time-dependent plastic deformation of a material is called as :
- A. Creep
B. Viscosity
C. Flow
D. Elasticity
42. Which of the following is true of ZOE paste?
- A. Longer the mixing, faster the setting
B. Less than P/L ratio, slower is the setting
C. Higher the temperature of mixing slab, faster is the setting
D. All of the above
43. Inlay wax is used to :
- A. Temporarily cement inlays
B. Make inlays wax patterns
C. Invest inlay patterns
D. Box models

WST-DCI-MDS-ORTHOD-2018-P-1-SET--B

44. Boxing wax is also called as :
A. Carding wax
B. Utility wax
C. Inlay wax
D. Sticky wax
45. Dental porcelains are crystalline materials of :
A. Rubber
B. Plastic
C. Organic substance
D. Glass
46. Which of the following gypsum products is used as die material?
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WST-DCI-MDS-ORTHOD-2018-P-1-SET--B

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B. Tensile strength
C. Ultimate strength
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WST-DCI-MDS-ORTHOD-2018-P-1-SET--B

66. The gas that produces high temperature is :
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B. An alloy of two or more metals, one of which is mercury
C. An alloy of two or more metals that have been dissolved in each other in the molten state
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A. Improved stone + gypsum bonded investment
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C. Die stone + ethyl silicate – bonded investment
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WST-DCI-MDS-ORTHOD-2018-P-1-SET--B

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C. Ciliary ganglia
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WST-DCI-MDS-ORTHOD-2018-P-1-SET--B

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96. The dye commonly used in determining plasma volume is :
A. Congo red
B. Eosin yellow
C. Silver nitrate
D. Evan's blue

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A. Monocyte
B. Neutrophil
C. Eosinophil
D. Basophil
98. The protein associated with thick filament is :
A. Actin
B. Myosin
C. Troponin
D. Tropomyosin
99. Second heart sound is produced due to closure of :
A. Atrioventricular valves
B. Mitral valve
C. Semilunar valves
D. Tricuspid valve
100. The normal tidal volume is :
A. 150 ml
B. 300 ml
C. 500 ml
D. 1000 ml

KEY OF DCI-MDS-ORTHOD-2018-P-1SET-1-B							
	KEY		KEY		KEY		KEY
1	B	26	C	51	B	76	C
2	A	27	D	52	C	77	A
3	C	28	A	53	B	78	A
4	A	29	A	54	A	79	C
5	A	30	B	55	A	80	B
6	D	31	A	56	A	81	D
7	C	32	A	57	C	82	B
8	C	33	A	58	D	83	C
9	A	34	D	59	D	84	D
10	B	35	D	60	D	85	D
11	A	36	C	61	B	86	A
12	D	37	A	62	B	87	D
13	B	38	A	63	D	88	A
14	B	39	D	64	A	89	B
15	A	40	B	65	D	90	A
16	C	41	A	66	C	91	C
17	A	42	D	67	A	92	A
18	A	43	B	68	B	93	D
19	C	44	A	69	A	94	A
20	A	45	D	70	B	95	B
21	C	46	D	71	A	96	D
22	A	47	B	72	A	97	A
23	B	48	C	73	B	98	B
24	A	49	C	74	C	99	C
25	C	50	B	75	A	100	C

Printed Pages: 10

Sr. No.....

WST-DCI-MDS-ORTHOD-201D-P-1-SET-1-C

Total Questions: 100

Max. Marks: 100

Time: Two Hours

Roll No. (in figures)

(in words).....

.....
(Signature of Candidate)

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

.....
(Signature of invigilator)

CANDIDATES MUST READ THE FOLLOWING INFORMATION/INSTRUCTIONS BEFORE TO ATTEMPT THE QUESTION PAPER.

1. All the candidates must return the test booklet as well as answer-sheet to the Invigilator concerned before leaving the Examination Hall. If any candidate leaves the examination hall without handing over the test booklet/answer sheet to the Invigilator, a case of use of unfair means/misbehavior 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.
2. The candidates must not do any rough work or writing work in the answer-sheet (OMR Sheet). All rough work is to be done in the test booklet.
3. Candidates will be required to darken the circle by using **blue/black ball point pen** only.
4. Books, papers, slide rule, log table, cellular phone, pager, calculator or any other electronic gadget etc. are not allowed in the Examination Hall.
5. **BEFORE ANSWERING THE QUESTIONS, THE CANDIDATES SHOULD ENSURE THAT THEY HAVE BEEN SUPPLIED THE CORRECT AND COMPLETE TEST BOOKLET CONTAINING SR. NO.1 TO 100 QUESTIONS, COMPLAINTS REGARDING MISPRINT ETC. WILL NOT BE ENTERTAINED 15 MINUTES AFTER THE EXAMINATION GET STARTED.**

WST-DCI-MDS-ORTHOD-2018-P-1-SET-1-C

1. True about Penicillin G is :
 - A. It is usually given orally
 - B. It has a broad spectrum of activity
 - C. Used for the treatment of rat bite fever
 - D. Probenecid given along with penicillin-G decreases its duration of action

2. Which of the following is not a prodrug?
 - A. Quinapril
 - B. Fosinopril
 - C. Benzopril
 - D. Lisinopril

3. Salbutamol is the most appropriate drug to manage :
 - A. Acute asthma
 - B. Angina pectoris.
 - C. Myocardial infarction
 - D. Epilepsy

4. Sodium salicylate is administered to a patient with rheumatoid arthritis because it is a/an:
 - A. Anti-inflammatory agent
 - B. Sedative
 - C. Antiseptic
 - D. Antiplatelet agent

5. A 58 year old woman complains of electric shock-like pain on the left side of the chin and lip when eating or taking a hot shower. Which of the following medications is most appropriate to confirm the diagnosis?
 - A. Amoxicillin
 - B. Carbamazepine
 - C. Acetaminophen and codeine
 - D. Ibuprofen

6. A 5 year old child has yellow pigmentation on the deciduous teeth which under ultraviolet light gives a bright yellow fluorescence. The most likely diagnosis is :
 - A. Tetracycline pigmentation.
 - B. Pigmentation associated with chromogenic bacteria.
 - C. Amelogenesis imperfecta.
 - D. Enamel hypoplasia

7. A patient who has been prescribed metronidazole should avoid :
 - A. Alcohol
 - B. Antacids
 - C. Caffeine
 - D. Grapefruit juice

8. Acute anaphylactic reactions to penicillin are LEAST likely to occur :
 - A. In patients with a negative skin test to penicillin.
 - B. Within minutes after drug administration.
 - C. In patients who have already experienced an allergic reaction to the drug.
 - D. When the drug is administered parenterally.

9. All the following medications can be used for the treatment of *Candida albicans* EXCEPT :
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WST-DCI-MDS-ORTHOD-2018-P-1-SET-1-C

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WST-DCI-MDS-ORTHOD-2018-P-1-SET-1-C

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WST-DCI-MDS-ORTHOD-2018-P-1-SET-1-C

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WST-DCI-MDS-ORTHOD-2018-P-1-SET-1-C

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C. Dysmetria D. Myopia
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A. Ishihara's chart B. Snellen's chart
C. Jaeger's chart D. Landold's chart
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A. Hyperthyroidism in adults B. Hyperthyroidism in children
C. Hypothyroidism in adults D. Hypothyroidism in children
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A. Zona glomerulosa B. Zona fasciculate
C. Zona reticularis D. Zona pellucid
80. Fertilization occurs in :
A. Fallopian tube B. Uterine cavity
C. Cervix D. Vagina
81. Sertoli cells are present in :
A. Epididymis B. Seminal vesicles
C. Prostate D. Seminiferous tubules
82. The anticoagulants include all of the following EXCEPT :
A. Heparin B. EDTA
C. Vitamin K D. Trisodium citrate
83. The process of concentrating the urine is the main function of :
A. Cortical nephron B. Descending loop of Henle
C. Juxtamedullary nephron D. Collecting duct
84. The receptor for stretch reflex is :
A. Muscle spindle B. Golgi tendon organ
C. Pacinian corpuscles D. Ruffini's end organs
85. The type of cellular connections for the tissue to function as syncytium is:
A. Desmosomes B. Gap junctions
C. Tight junctions D. Hemidesmosomes

86. Fibrinogen is converted into fibrin by :
A. Thrombin
B. Prothrombin
C. Prothrombin activator
D. Calcium
87. Structural and functional unit of muscle is :
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B. Sarcoplasmic reticulum
C. Sarcolemma
D. Sarcomere
88. Person becomes poikilothermic by destruction of :
A. Anterior hypothalamus
B. Posterior hypothalamus
C. Lateral hypothalamus
D. VMN of hypothalamus
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A. 75 mm Hg
B. 40 mm Hg
C. 60 mm Hg
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A. Depress ventilation
B. Stimulate ventilation
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B. Telophase, metaphase, prophase, anaphase
C. Prophase, metaphase, anaphase, telophase
D. Prophase, anaphase, telophase, metaphase
92. Following are routes of transmission of HIV except :
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A. Haploid cells
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94. Lobar pneumonia is caused by all except :
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B. Staphylococcus
C. Mycobacterial tuberculi
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A. Cervical canal lesions
B. Lung lesions
C. Cervical lymph node lesions
D. Ovarian lesions
96. All infections are transmitted by transfusion of blood and their products except :
A. HIV
B. Hepatitis B
C. Syphilis
D. Tuberculosis
97. Which phase comes in between G1 and G2 phase?
A. S phase
B. Interphase
C. M phase
D. G_0 phase

98. Following are the opportunistic infections in AIDS except :
- | | |
|----------------|-----------------------------|
| A. Candidiasis | B. Hepatocellular carcinoma |
| C. Lymphoma | D. Pneumonia |
99. A form of coordinated programmed cell death is called :
- | | |
|--------------|-------------|
| A. Apoptosis | B. Necrosis |
| C. Lysis | D. Cloning |
100. Osmotic fragility is increased in :
- | | |
|-----------------------------|----------------------------|
| A. Thalassemia | B. Sickle cell anaemia |
| C. Hereditary spherocytosis | D. Iron deficiency anaemia |

KEY OF DCI-MDS-ORTHOD-2018-P-1SET-1-C

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

Printed Pages: 10

Sr. No.....

WST-DCI-MDS-ORTHOD-201D-P-1-SET-1-D

Total Questions: 100

Max. Marks: 100

Time: Two Hours

Roll No. (in figures)

(in words).....

.....
(Signature of Candidate)

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

.....
(Signature of invigilator)

CANDIDATES MUST READ THE FOLLOWING INFORMATION/INSTRUCTIONS BEFORE TO ATTEMPT THE QUESTION PAPER.

1. All the candidates must return the test booklet as well as answer-sheet to the Invigilator concerned before leaving the Examination Hall. If any candidate leaves the examination hall without handing over the test booklet/answer sheet to the Invigilator, a case of use of unfair means/misbehavior 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.
2. The candidates must not do any rough work or writing work in the answer-sheet (OMR Sheet). All rough work is to be done in the test booklet.
3. Candidates will be required to darken the circle by using **blue/black ball point pen** only.
4. Books, papers, slide rule, log table, cellular phone, pager, calculator or any other electronic gadget etc. are not allowed in the Examination Hall.
5. **BEFORE ANSWERING THE QUESTIONS, THE CANDIDATES SHOULD ENSURE THAT THEY HAVE BEEN SUPPLIED THE CORRECT AND COMPLETE TEST BOOKLET CONTAINING SR. NO.1 TO 100 QUESTIONS, COMPLAINTS REGARDING MISPRINT ETC. WILL NOT BE ENTERTAINED 15 MINUTES AFTER THE EXAMINATION GET STARTED.**

WST-DCI-MDS-ORTHOD-2018-P-1-SET-1-D

1. Soldering of metal parts occurs at temperature of about :
A. Above 450°C
B. Below 450°C
C. Room temperature
D. None of the above
2. Dental solders should posses :
A. Fusion temperature at least 50°C greater than that of parent metal
B. Fusion temperature equal to that of parent metal
C. Fusion temperature at least 50°C lesser than that of parent metal
D. Fusion temperature at least 100°C lesser than that parent metal
3. Which of the following zones of a flame is used for heating the joint area during soldering?
A. Oxidizing zone
B. Reducing zone
C. Neutral zone
D. Both 'B' and 'C'
4. A true eutectic alloy has :
A. Melting point below the melting point of either metal
B. Melting point above the melting point of component metals
C. Melting point below that of high fusion metal
D. Melting point above that of low fusing metal
5. Which of the following dimensions of the colour describes relative lightness and Darkness?
A. Value
B. Chroma
C. Hue
D. Esthelite
6. The wetting of an adherend surface by an adhesive is related to :
A. Surface energy of the adherend
B. Surface texture of the adherend
C. Surface tension of the adherend
D. Nature of the adherent that is crystalline or amorphous
7. Galvanic shock in amalgam restoration can be avoided by :
A. Giving zinc phosphate base under the filling
B. Maintaining proper marginal seal between restoration and tooth interface
C. Application of varnish over the surface of restoration
D. All of the above
8. Ideal requirement of metal ceramic casting include:
A. Low fusing ceramic and high fusing alloys
B. Matching of coefficients of thermal expansion of ceramics and alloy
C. Bonding between ceramic and alloy
D. All of the above
9. Dental porcelains are classified according to :
A. Method of firing
B. Temperature of firing
C. According to substructure
D. All of the above
10. All of the following affect strength of polymethyl methacrylate except: :
A. Composition of resin
B. Water sorption
C. Degree of polymerization
D. None of the above

11. Chemical bond to denture is present in:
A. Porcelain teeth
B. Resin teeth
C. Both of the above
D. None of the above
12. Desensitizing action in desensitizing tooth paste is due to :
A. Glycerol
B. Potassium nitrate
C. Calcium carbonate
D. None of the above
13. Which of the following is used as/for grit blasting of base metal alloys?
A. Tripoli
B. Rouge
C. Emery
D. Aluminium oxide
14. Gingival irritation is least with :
A. Glazed porcelain
B. Glazed composites
C. Polished gold restorations
D. Polished amalgam
15. The point at which a stress of a material exhibits a specific limited deviation P is Called :
A. Proportional limit
B. Tensile strength
C. Ultimate strength
D. Yield strength
16. The gas that produces high temperature is :
A. Hydrogen
B. Helium
C. Acetylene
D. Propane
17. The zinc oxide-eugenol impression pastes harden by :
A. Chemical reaction
B. Cold
C. Heat
D. Pressure
18. Most accurate reproduction of details can be obtained by :
A. Polysulfides
B. Additional silicones
C. Condensation silicones
D. Polyethers
19. The American Dental Association (ADA) specification number for non – aqueous elastomeric dental impression material is :
A. 19
B. 20
C. 21
D. 26
20. Amalgam means :
A. A metallic powder composed of silver, tin, copper and zinc
B. An alloy of two or more metals, one of which is mercury
C. An alloy of two or more metals that have been dissolved in each other in the molten state
D. A metallic substance in powder or tablet form that is mixed with mercury
21. Divestment is a combination of :
A. Improved stone + gypsum bonded investment
B. Improved stone + phosphate bonded investment
C. Die stone + ethyl silicate – bonded investment
D. None of the above

22. Room temperature – vulcanized (RTV) silicones resemble:
A. Condensation silicone
B. Addition silicone
C. Both of the above
D. None of the above
23. The latest method of curing denture base resin is by :
A. Heat
B. Visible light
C. Chemicals
D. Lasers
24. The commonly used acid for enamel etching is :
A. EDTA 4 %
B. Citric acid 2 %
C. Phosphoric acid 37 %
D. Malic acid 30 %
25. Which of the following composites are recommended only for non – stress bearing anterior restorations?
A. Microfilled
B. Hybrid
C. Conventional
D. Small particle filled
26. All the following are characteristics of oculomotor nerve, Except:
A. Carries parasympathetic nerve fibres
B. Supplies inferior oblique muscle
C. Enters orbit through the inferior orbital fissure
D. Causes constriction of pupil
27. The cells belonging to the following type of epithelium are provided with extra reserve of cell membrane:
A. Transitional
B. Stratified squamous
C. Stratified cuboidal
D. Stratified columnar
28. All of the following statements regarding the spinal cord are true, except:
A. Central canal lies in the white matter
B. Efferent fibres leave from the anterior horn
C. Spinal cord ends at the lower border of L₁ in adults
D. Denticulate ligaments suspend spinal medulla in the subarachnoid space
29. Tongue movement has primarily its effect on:
A. Lip
B. Cheek
C. Palatoglossal arch
D. Facial musculature
30. Intrinsic muscles of tongue are derived from
A. Cervical somites
B. Occipital somites
C. Pharyngeal arch mesoderm
D. 2nd branchial cleft
31. A patient complains of loss of taste and numbness in the left half of his tongue after removal of his left lower wisdom tooth. Which of the following nerve is most likely to be injured during removal of this tooth?
A. Mandibular nerve
B. Inferior alveolar nerve
C. Glossopharyngeal nerve
D. Lingual nerve

32. The position of maximum inner cuspatation of upper and lower teeth is known as:-
A. Centric position
B. Centric occlusion
C. Centric relation
D. Centric organization
33. At the age of nine years, the mandibular permanent first molar has its distal contact with which of the following teeth:
A. First premolar
B. Second deciduous molar
C. No distal contact
D. Second premolar
34. Which dentin is continuously produced throughout life?
A. Interglobular dentin
B. Intertubular dentin
C. Tertiary
D. Intratubular dentin
35. Lacrimal secretion is diminished if the following site of nerve is damaged:
A. Parotid nerve
B. Gasserian ganglia
C. Ciliary ganglia
D. Pterygopalatine ganglion
36. A patient has loss of sensation at angle of mandible. Which of the following nerve is most likely to be injured?
A. Greater auricular nerve
B. Lesser occipital nerve
C. Mandibular nerve
D. Auriculo-temporal nerve
37. All are branches of ophthalmic nerve, except:
A. Lacrimal nerve
B. Frontal nerve
C. Nasociliary nerve
D. Superior rectus nerve
38. Primary and secondary palates are divided by:
A. Incisive foramen
B. Alveolar arch
C. Canine teeth
D. Greater palatine foramen
39. The frontal paranasal sinus drains into the:
A. Superior meatus
B. Middle meatus
C. Inferior meatus
D. Spheno-ethmoidal recess
40. A midline cleft lip is due to the failure of fusion between:
A. Fronto-nasal processes
B. Maxillary processes
C. Medial and lateral nasal process
D. Medial nasal and maxillary process
41. How many nuclei does Trigeminal nerve have in CNS:
A. Three
B. Five
C. Four
D. Six
42. Stensen's duct opens at the:
A. Upper 2nd molar teeth
B. Upper 1st premolar teeth
C. Upper 1st molar teeth
D. Upper 3rd molar teeth
43. In dislocation of the jaw, displacement of the articular disc beyond the articular tubercle of the temporomandibular joint results from spasm or excessive contraction of the following muscle:
A. Temporalis
B. Masseter
C. Buccinator
D. Lateral pterygoid

44. Posterior belly of digastric is supplied by:
A. Facial nerve
B. Mandibular nerve
C. Maxillary nerve
D. Hypoglossal nerve
45. After tonsillectomy, a patient loses sensation over the posterior part of tongue. Which nerve is likely to get damaged?
A. Lingual nerve
B. Glossopharyngeal nerve
C. Hypoglossal nerve
D. Chorda tympani nerve
46. The dye commonly used in determining plasma volume is :
A. Congo red
B. Eosin yellow
C. Silver nitrate
D. Evan's blue
47. The largest WBC is:
A. Monocyte
B. Neutrophil
C. Eosinophil
D. Basophil
48. The protein associated with thick filament is :
A. Actin
B. Myosin
C. Troponin
D. Tropomyosin
49. Second heart sound is produced due to closure of :
A. Atrioventricular valves
B. Mitral valve
C. Semilunar valves
D. Tricuspid valve
50. The normal tidal volume is :
A. 150 ml
B. 300 ml
C. 500 ml
D. 1000 ml
51. Jerky movements of eyeballs is called :
A. Akinesia
B. Nystagmus
C. Dysmetria
D. Myopia
52. Color vision is tested by :
A. Ishihara's chart
B. Snellen's chart
C. Jaeger's chart
D. Landold's chart
53. Myxoedema occurs due to :
A. Hyperthyroidism in adults
B. Hyperthyroidism in children
C. Hypothyroidism in adults
D. Hypothyroidism in children
54. Aldosterone is chiefly secreted by :
A. Zona glomerulosa
B. Zona fasciculate
C. Zona reticularis
D. Zona pellucid

55. Fertilization occurs in :
A. Fallopian tube
B. Uterine cavity
C. Cervix
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B. Telophase, metaphase, prophase, anaphase
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D. Pneumonia
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B. Necrosis
C. Lysis
D. Cloning
75. Osmotic fragility is increased in :
A. Thalassemia
B. Sickle cell anaemia
C. Hereditary spherocytosis
D. Iron deficiency anaemia
76. True about Penicillin G is :
A. It is usually given orally
B. It has a broad spectrum of activity
C. Used for the treatment of rat bite fever
D. Probenecid given along with penicillin-G decreases its duration of action

77. Which of the following is not a prodrug?
A. Quinapril
B. Fosinopril
C. Benzopril
D. Lisinopril
78. Salbutamol is the most appropriate drug to manage :
A. Acute asthma
B. Angina pectoris.
C. Myocardial infarction
D. Epilepsy
79. Sodium salicylate is administered to a patient with rheumatoid arthritis because it is a/an:
A. Anti-inflammatory agent
B. Sedative
C. Antiseptic
D. Antiplatelet agent
80. A 58 year old woman complains of electric shock-like pain on the left side of the chin and lip when eating or taking a hot shower. Which of the following medications is most appropriate to confirm the diagnosis?
A. Amoxicillin
B. Carbamazepine
C. Acetaminophen and codeine
D. Ibuprofen
81. A 5 year old child has yellow pigmentation on the deciduous teeth which under ultraviolet light gives a bright yellow fluorescence. The most likely diagnosis is :
A. Tetracycline pigmentation.
B. Pigmentation associated with chromogenic bacteria.
C. Amelogenesis imperfecta.
D. Enamel hypoplasia
82. A patient who has been prescribed metronidazole should avoid :
A. Alcohol
B. Antacids
C. Caffeine
D. Grapefruit juice
83. Acute anaphylactic reactions to penicillin are LEAST likely to occur :
A. In patients with a negative skin test to penicillin.
B. Within minutes after drug administration.
C. In patients who have already experienced an allergic reaction to the drug.
D. When the drug is administered parenterally.
84. All the following medications can be used for the treatment of *Candida albicans* EXCEPT :
A. Nystatin
B. Fluconazole
C. Chlorhexidine
D. Amoxicillin
85. An immediate toxic reaction to a local anaesthetic administration is caused by a/an:
A. Deterioration of the anaesthetic agent
B. Hypersensitivity to the vasoconstrictor
C. Hypersensitivity to the anaesthetic agent
D. Excessive blood level of the anaesthetic agent
86. During drug-receptor interaction, local anaesthetics interfere with the transport of which of the following ions?
A. Potassium.
B. Calcium
C. Sodium
D. Chloride

87. Following IV administration of a benzodiazepine, a patient becomes apnoeic and unresponsive. Which of the following drugs should be administered immediately?
A. Naloxone
B. Propranolol.
C. Flumazenil
D. Atropine
88. In drug synergism, a drug :
A. Acts in conjunction with another drug beneficially.
B. Accumulates in the body at a faster rate than it is destroyed or removed.
C. Is concentrated in the kidneys.
D. Produces active metabolites.
89. A drug with anticholinergic side effects may cause :
A. Convulsions
B. Diarrhea
C. Tremors
D. Xerostomia
90. Which of the following drugs will NOT cause gingival hyperplasia?
A. Cyclosporine
B. Doxepin
C. Phenytoin
D. Verapamil
91. Time-dependent plastic deformation of a material is called as :
A. Creep
B. Viscosity
C. Flow
D. Elasticity
92. Which of the following is true of ZOE paste?
A. Longer the mixing, faster the setting
B. Less than P/L ratio, slower is the setting
C. Higher the temperature of mixing slab, faster is the setting
D. All of the above
93. Inlay wax is used to :
A. Temporarily cement inlays
B. Make inlays wax patterns
C. Invest inlay patterns
D. Box models
94. Boxing wax is also called as :
A. Carding wax
B. Utility wax
C. Inlay wax
D. Sticky wax
95. Dental porcelains are crystalline materials of :
A. Rubber
B. Plastic
C. Organic substance
D. Glass
96. Which of the following gypsum products is used as die material?
A. Type I
B. Type II
C. Type III
D. Type IV
97. Setting expansion is advantageous in :
A. Casts
B. Investment
C. Models
D. Dies

98. Polymer – monomer proportion of polymethyl methacrylate is:
A. 3:1 by volume
B. 2:1 by weight
C. Both of the above
D. None of the above
99. Cross – linking agent in polymethyl methacrylate is:
A. Hydroquinone
B. Tertiary amine
C. Glycol dimethacrylate
D. Stable salts of sulfonic acid
100. Duration of 'Bench curing' is:
A. 20 minutes
B. 30 minutes
C. 90 minutes
D. 120 minutes

KEY OF DCI-MDS-ORTHOD-2018-P-1SET-1-D

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