

**NOTE : DO NOT BREAK THE SEAL UNTIL YOU GO THROUGH THE FOLLOWING INSTRUCTIONS**

**MDS Entrance Test – 2010**  
**QUESTION BOOKLET**  
**Paper – I**

Roll No.

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(Enter your Roll Number in the above space)

Series

**C**

Booklet No.

**210063**

**Time Allowed : 2 ½ Hours**

**Max. Marks : 200**

**INSTRUCTIONS :**

1. Use only BLACK or BLUE Ball Pen.
2. All questions are COMPULSORY.
3. Check the BOOKLET thoroughly.

**IN CASE OF ANY DEFECT - MISPRINTS, MISSING QUESTION/S OR DUPLICATION OF QUESTION/S, GET THE BOOKLET CHANGED WITH THE BOOKLET OF THE SAME SERIES. NO COMPLAINT SHALL BE ENTERTAINED AFTER THE ENTRANCE TEST.**

4. Before you mark the answer, fill in the particulars in the ANSWER SHEET carefully and correctly. Incomplete and incorrect particulars may result in the non-evaluation of your answer sheet by the technology.
5. Write the SERIES and BOOKLET No. given at the TOP RIGHT HAND SIDE of the question booklet in the space provided in the answer sheet by darkening the corresponding circles.
6. Do not use any eraser, fluid pens, blades etc., otherwise your answer sheet is likely to be rejected whenever detected.
7. After completing the test, handover the OMR ANSWER SHEET to the Invigilator.

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1. Overload of denture base is caused by
  - (1) Small base
  - (2) Large base
  - (3) Small teeth
  - (4) Large teeth
  
2. Punched out lesion on the alveolar ridge is due to
  - (1) Acrylic nodule on the tissue surface of the denture
  - (2) Improper occlusion
  - (3) Over extended borders of dentures
  - (4) Narrow Occlusal table
  
3. Will's gauge is used to measure
  - (1) Vertical height
  - (2) Bizygomatic width
  - (3) Intercondylar distance
  - (4) Interpapillary distance
  
4. The Kennedy classification that is more suitable for an internal attachment is
  - (1) Class – I
  - (2) Class – II
  - (3) Class – III
  - (4) Class – IV
  
5. Tissue stops in an impression tray aids in
  - (1) Anterior –posterior stabilization
  - (2) Improved acrylic flow
  - (3) For better retention
  - (4) For better resistance
  
6. Flexibility of a clasp depends on
  - (1) Composition and structure of material
  - (2) Length and Cross section of clasp
  - (3) Amount of tapering and cold working
  - (4) All of the above
  
7. Kroll designed
  - (1) RPI clasp
  - (2) Bar-clasp
  - (3) Circumferential clasp
  - (4) Altered clasp

8. Trendelenburg position is
- (1) Head down and legs up                      (2) Head up and legs down  
(3) Head and legs at same level              (4) Legs perpendicularly up to head
9. Buffalo hump is seen in
- (1) Cushing's syndrome                      (2) Addison's disease  
(3) Hypothyroidism                              (4) Hyperthyroidism
10. The color of nitrous oxide cylinder is
- (1) Red    (2) Blue  
(3) White    (4) Black
11. Which of the following is the preferred local anaesthetic technique for hemophiliacs?
- (1) Nerve Block                                  (2) Supraperiosteal  
(3) Intraligamentary injection              (4) Field block
12. Nasal antrostomy usually done from through
- (1) Middle concha                              (2) Inferior concha  
(3) Middle meatus                              (4) Inferior meatus
13. The diameter of the fiberoptic endoscope in perioscopy system is:
- (1) 0.99 mm in diameter                      (2) 1 mm in diameter  
(3) 0.89 mm in diameter                      (4) 0.78 mm in diameter
14. It is a short powerful Pull stroke
- (1) Root planning stroke                      (2) Exploratory stroke  
(3) Scaling stroke                              (4) All of the above
15. New term for *Actinobacillus actinomycetemcomitans*:
- (1) *Treponema actinomycetemcomitans*  
(2) *Aggregatibacter actinomycetemcomitans*  
(3) *Porphyromonas gingivalis*  
(4) *Fusobacterium*

16. For placement of endodontic implant the root canal should be enlarged to atleast
- (1) 30 (2) 40  
(3) 45 (4) 60
17. Which of the following is false about slot preparation?
- (1) They are given in dentin  
(2) They have a depth of 1 – 1.5 mm in occlusal of gingival wall  
(3) They have three walls  
(4) They are usually given along the width of occlusal or gingival wall
18. The average clinically acceptable Run-out of a bur is
- (1) 0.23 mm (2) 0.023 mm  
(3) 0.043 mm (4) 0.43 mm
19. Which of the following statement about pins is false?
- (1) Pins should not be closer than 2 mm from each other  
(2) The cavity end of the pin should be chisel or wedge shaped  
(3) Distance between pin surface and restorative surface should be 1.5-2 mm  
(4) None of the above
20. The first movement during forceps extraction is
- (1) Lingual movement (2) Buccal movement  
(3) Apical movement (4) Mesial movement
21. Which of the following is not a naturally occurring suture material?
- (1) Silk (2) Catgut  
(3) Gut (4) Polyglycolic acid
22. Lefort IV fracture is
- (1) Craniofacial dysjunction and nasal bone fracture  
(2) Craniofacial dysjunction and nasoorbitoethmoidal fracture  
(3) Lefort II and Lefort III on either side  
(4) Lefort II and Lefort III with fracture or cranial base

- 23.** In MRI the image is not produced by
- (1) Electrical field
  - (2) Ionizing Radiation
  - (3) Magnetic Field
  - (4) Radio Frequency
- 24.** Satellite Cysts are seen in
- (1) Dentigerous Cyst
  - (2) Periapical Cyst
  - (3) Odontogenic Keratocyst
  - (4) Incisive Canal Cyst
- 25.** Which of the following is a substrate with low surface energy?
- (1) Enamel
  - (2) Primed Dentin
  - (3) Hydroxyapatite
  - (4) Collagen
- 26.** The constituent of casting gold alloys which increases the melting temperature of the alloy is
- (1) Copper
  - (2) Platinum
  - (3) Zinc
  - (4) Indium
- 27.** Which of the following does not involve an acid-base reaction during setting?
- (1) Resin modified glass ionomer cement
  - (2) Cermet
  - (3) Polycarboxylate Cement
  - (4) Compomer
- 28.** Mercuroscopic expansion in amalgam
- (1) Is the result of contamination during trituration or condensation of Amalgam
  - (2) Due to the mismatch of co-efficient of thermal expansion between the tooth and the restoration
  - (3) Is a result of electro chemical corrosion in which mercury reacts with unreacted Ag-Sn particles
  - (4) Does not occur

- 29.** An appliance with screw to move individual or group of teeth is called
- (1) Activator appliance                      (2) Schwarz appliance  
(3) Hawley appliance                        (4) Twin block appliance
- 30.** The Edgewise appliance was introduced by
- (1) L.F. Andrews                              (2) P.R. Begg  
(3) N. Kingsley                                (4) E.H. Angle
- 31.** Post normal occlusion means
- (1) Upper and lower arches are in edge relation  
(2) There is no contact between upper and lower arches  
(3) Lower arch placed too far back compared to the upper arch  
(4) Lower arch ahead of the upper arch
- 32.** Couple is defined as
- (1) Force acting at a distance  
(2) Force that tends to move a tooth  
(3) A point at which resistance to movement is concentrated  
(4) Two forces equal in magnitude and opposite in direction
- 33.** The 18/8 Stainless steel has
- (1) 18% iron and 8% Carbon              (2) 18% carbon and 8% iron  
(3) 18% nickel and 8% chromium        (4) 18% chromium and 8% nickel
- 34.** Etching is done using
- (1) 60% Maleic acid                          (2) 25% Poly acrylic acid  
(3) 30-50% Citric acid                      (4) 30-50% Phosphoric acid
- 35.** Foam Cells are seen in
- (1) Eosinophilic Granuloma                (2) Hand-Schuller-Christian Disease  
(3) Litterer — SIWE-Disease              (4) Lipid — Proteinosis

- 36.** Tell-Show-Do technique was introduced by
- (1) Eric Erickson
  - (2) Addleston
  - (3) Frankl
  - (4) Binet
- 37.** Diagnodent instrument is particularly useful for confirming the presence of
- (1) Occlusal caries
  - (2) Interproximal caries
  - (3) Buccal caries
  - (4) Root caries
- 38.** Distal shoe space maintainer is indicated
- (1) Loss of first primary molar after eruption of first permanent molar
  - (2) Loss of second primary molar before eruption of first permanent molar
  - (3) Loss of second primary molar after eruption of first permanent molar
  - (4) Bilateral loss of deciduous canines
- 39.** In class 2 Cavity preparation of deciduous teeth, isthmus width should be
- (1) Approximately  $\frac{1}{2}$  of the dimension between buccal and lingual cusps
  - (2) Approximately  $\frac{1}{3}$  of the dimension between buccal and lingual cusps
  - (3) Approximately  $\frac{1}{4}$  of the dimension between buccal and lingual cusps
  - (4) Approximately  $\frac{1}{5}$  of the dimension between buccal and lingual cusps
- 40.** Knutson technique is used for the application of the following
- (1) Sodium Fluoride
  - (2) Stannous Fluoride
  - (3) Fluoride Varnish
  - (4) Acidulated Phosphate
- 41.** The reagent used in Salivary Reductase test is
- (1) Methyl Red
  - (2) Diazo-resorcinol
  - (3) Bromocresol
  - (4) Dextrose
- 42.** The first step in treating Rampant caries cases is
- (1) Restoring all teeth with S.S. crowns
  - (2) Endodontic treatment of all pulpally involved teeth
  - (3) Escavation of softened tooth structure and filling with Zinc Oxide Eugenol paste
  - (4) Extraction of all infected teeth



43. Flumazenil is a benzodiazepine
- (1) Agonist (2) Antagonist  
 (3) Group of anxiolytic (4) Used as muscle relaxant
44. Lignocaine was prepared by
- (1) Alfred Einhorn (2) Nils Lofgren  
 (3) Ekenstam (4) Takman
45. DDAVP and Tranexemic acid are used in
- (1) Patients with disseminated intravascular coagulation  
 (2) Patients with Haemophilia  
 (3) Patients with Thalassemia  
 (4) Patients with Sickel cell disease
46. Prognathism is a feature of
- (1) Cushing's disease (2) Acromegaly  
 (3) Symmond's diseases (4) She han's syndrome
47. Scurvy features doesn't include the following
- (1) Perifollicular hemorrhage (2) Bleeding in to the joints  
 (3) Mottled Enamel (4) Fatigue
48. Acute rheumatic fever, doesn't include the following
- (1) Carditis (2) Ertheme marginetum  
 (3) Subcutaneous nodules (4) Huntington's chorea
49. Disseminated intravascular coagulation (DIC) is not evaluated by the following test
- (1) D.Dimmer (2) Prothrombin time  
 (3) Platelet count (4) CRP levels
50. Psuedomembranous colitis is caused by
- (1) Clostridium difficile (2) Enterococci  
 (3) Salmomella (4) Enteamoeba histolytic



58. Cysts formed by epithelial entrapment, along the median palatal raphe and along the line of fusion are described as
- (1) Aneurysmal bone cyst                      (2) Epstein pearls  
(3) Gorlin cyst                                      (4) Mucocele
59. Union of two adjacent teeth by cementum alone, without confluence of underlying dentin is called
- (1) Fusion    (2) Gemination  
(3) Concrescence                                  (4) Cemental hyperplasia
60. Starry sky appearance is seen in histopathology of
- (1) Cherubism                                        (2) Fibrous dysplasia  
(3) African jaw lymphoma                      (4) Hodgkins lymphoma
61. Indurated, nodular, ulcerated lesion which is active site of granulomatous inflammation, called gumma is seen in
- (1) Erysipelas                                        (2) Lues  
(3) T.B     (4) H.S.V
62. Which of the following is a true cyst?
- (1) Mucocele                                         (2) Aneurysmal bone cyst  
(3) Traumatic bone cyst                        (4) Mucus retention cyst
63. Widening of periodontal ligament around more than two or three teeth is seen in
- (1) Pagets disease                                 (2) Ewings sarcoma  
(3) Osteosarcoma                                 (4) Ameloblastoma
64. Characteristic malignant cells of Hodgkins disease are called
- (1) Ghost cells                                      (2) Goblet cells  
(3) Anitschkow cells                              (4) Reed-sternberg cells

65. The blood flow in 2 mg carotid body is about  
(1) 54 ml/100 gm tissue/min (2) 420 ml/100 gm tissue/min  
(3) 200 ml/100 gm tissue/min (4) 2000 ml/100 gm/min
66. Fast pain is carried by  
(1) A  $\alpha$  fiber (A alpha fiber) (2) A  $\delta$  fiber (A delta fiber)  
(3) C fiber (C fiber) (4) A  $\gamma$  fiber (A Gamma fiber)
67. The Dentists Act of India was introduced in the year  
(1) 29<sup>th</sup> March 1948 (2) 29<sup>th</sup> March 1946  
(3) 29<sup>th</sup> March 1952 (4) 29<sup>th</sup> March 1950
68. The first world health assembly was opened in  
(1) New York on 27<sup>th</sup> June 1948 (2) India on 24<sup>th</sup> June 1948  
(3) Geneva on 24<sup>th</sup> June 1948 (4) Thailand on 25<sup>th</sup> June 1948
69. CPITN index was developed by  
(1) New York (2) London  
(3) Ainamo et al (4) Aubreychose K
70. The Brant ford study on water fluoridation was carried out at  
(1) New York (2) London  
(3) Ontario Canada (4) Netherlands
71. The following is a constituent of Tobacco smoke  
(1) Nicotine (2) Cresol  
(3) Phenol (4) All of the above
72. Disinfection of blankets, beds, books and other articles which cannot be boiled is  
(1) Nitrous oxide (2) Carbon monoxide  
(3) Formaldehyde (4) Iodine

73. Which of the following is a natural local anaesthetic?
- (1) Procaine (2) Benzocaine  
(3) Cocaine (4) Lignocaine
74. Which is a non sedative H-1 receptor blocker?
- (1) Promethazine (2) Cetirizine  
(3) Chlorpheniramine (4) Diphenhydramine
75. Which is a Heparin antagonist?
- (1) Ticlopidine (2) Desferrioxmine  
(3) Vitamin K (4) Protamine Sulphate
76. Which sulphonamide is used in the treatment of Malaria?
- (1) Sulfadoxine (2) Sulfasalazine  
(3) Sulfamethoxazole (4) Sulfadiazine
77. Nephrotoxicity and ototoxicity is produced by
- (1) Aminoglycosides (2) Furosemide  
(3) INH (4) Spironolactone
78. Which is used in postpartum haemorrhage?
- (1) Oxytocin (2) Ergometrine  
(3) Ephedrine (4) Prostaglandins
79. Gold salts show beneficial effects in
- (1) Tuberculosis (2) Osteoporosis  
(3) Rheumatoid arthritis (4) Osteoarthritis
80. Micronutrient used to treat scurvy
- (1) Cadmium (2) Ascorbic acid  
(3) Folinic acid (4) Zinc

81. Dental caries is caused by
- (1) Streptococcus sanguis (2) Streptococcus mitis  
(3) Streptococcus mutans (4) Streptococcus salivarius
82. The following bacilli are normal anaerobic flora of human mouth except
- (1) Lactobacillus (2) Propionibacterium  
(3) Fusobacterium (4) Actinomyces
83. All of the following statements are true regarding reversible cell injury except
- (1) Formation of amorphous densities in mitochondrial matrix  
(2) Diminished generation of ATP  
(3) Formation of blebs in the plasma membrane  
(4) Detachment of ribosomes from the granular endoplasmic reticulum
84. All of the following vascular changes are observed in acute inflammation except
- (1) Vasodilatation (2) Stasis of blood  
(3) Increased vascular permeability (4) Decreased hydrostatic pressure
85. The classification proposed by the International Lymphoma Study Group for NHL is known as
- (1) Kiel classification (2) REAL classification  
(3) WHO classification (4) Rappaport classification
86. Which of the following is a pro-coagulant protein?
- (1) Thrombomodulin (2) Protein-C  
(3) Protein-S (4) Thrombin
87. The epithelioid and giant cells of granulomatous inflammation are derived from
- (1) Basophils (2) Eosinophils  
(3) CD4 T-lymphocytes (4) Monocytes – macrophages

88. The Predominant urinary system is
- (1) Bicarbonate buffer (2) Phosphate buffer  
(3) Albumin (4) Hemoglobin
89. Vitamin B<sub>6</sub> is a collective term for
- (1) Pyridoxine, pyridoxal (2) Glucagon  
(3) Carticotrophin releasing hormone (4) Gastrin
90. What is the liquefaction temperature of Agar Hydrocolloid?
- (1) 30–40°C (2) 50–60°C  
(3) 70–100°C (4) 110–120°C
91. What is the reactor in alginate impression materials?
- (1) Sodium Phosphate (2) Calcium Phosphate  
(3) Calcium Sulphate (4) Sodium Sulphate
92. The characteristic of a polymer that allows the material to appear to be less viscous when the shearing rate is increased in
- (1) Pseudoelastic (2) Pseudoplastic  
(3) Pseudoliquid (4) Elastomeric
93. The contact angle of Hydrophobic materials is
- (1) 45° (2) 75°  
(3) 55° (4) 95°
94. Lattice structure of Gold is
- (1) Body centered tetragonal (2) Face centered cubic  
(3) Diamond cubic (4) Close packed hexagonal
95. The temperature at which the first solid begins to form is
- (1) Solidus temperature (2) Liquidus temperature  
(3) Fusion temperature (4) Melting temperature

- 96.** Nerve supply to circumvallate papillae is through
- (1) Lingual nerve
  - (2) Glossopharyngeal nerve
  - (3) Vagus nerve
  - (4) Hypoglossal nerve
- 97.** Portal vein carries blood from
- (1) Gut to the inferior vena cava
  - (2) Liver to the gut
  - (3) Anterior abdominal wall to inferior vena cava
  - (4) Gut to the liver
- 98.** Primary centres of ossification are formed
- (1) before birth
  - (2) soon after birth
  - (3) at puberty
  - (4) none of the above
- 99.** Thoracic duct drains into
- (1) Junction of left subclavian and left internal jugular veins
  - (2) Junction of right subclavian and right internal jugular veins
  - (3) Directly into superior vena cava
  - (4) Directly into right atrium
- 100.** Intercalated disc is
- (1) Thickening of endomysium
  - (2) Thickening of cell membrane
  - (3) Thickening of perimysium
  - (4) Indicates position of nucleus
- 101.** Taenia coli are
- (1) Tapeworms in the intestine
  - (2) Same as Taenia saginata
  - (3) Longitudinal muscle bands of large intestine
  - (4) Folds in the mucosa of the colon



**102.** The forces acting through a fixed partial denture on the abutment tooth should be directed

- (1) As far as possible at right angles to the long axis of the teeth
- (2) As far as possible parallel to the long axis of the teeth
- (3) As less as possible decreasing the mesio-distal dimension
- (4) As less as possible decreasing the bucco-lingual dimension

**103.** The type of gold alloy used in fixed partial denture construction is

- (1) Soft gold
- (2) Hard gold
- (3) Medium gold
- (4) Extra hard gold

**104.** Egg shaped pontic design is indicated for the replacement of

- (1) Mandibular posteriors
- (2) Maxillary posteriors
- (3) Mandibular anteriors
- (4) Maxillary anteriors

**105.** "Crippled childrens Programme" aids for the child below 18 years in providing medical aid for

- (1) Road and Traffic accidents
- (2) Acquired defects
- (3) Congenital defects
- (4) Mentally compromised

**106.** Laminar glazes are used to mimic the following structures of human skin

- (1) Anatomical
- (2) Physiological
- (3) Histological
- (4) Radiological

**107.** The following is the disadvantage of screwed joints

- (1) Retrievability
- (2) Control of gap
- (3) Predictable failure
- (4) Access holes

**108.** The drill speed for placing the implant initially is

- (1) 2,000 rpm
- (2) 3,000 rpm
- (3) 20,000 rpm
- (4) 200 rpm

**109. PERIOCHIP contains**

- |                           |                                    |
|---------------------------|------------------------------------|
| (1) 2.5 mg of minocycline | (2) 2.5 mg chlorhexidine gluconate |
| (3) 10% doxycycline       | (4) 25% metronidazole              |

**110. Central role in periodontal destruction:**

- |  |  |
|--|--|
| (1) IL-1, IL-6, tumor necrosis factor  | (2) IL-1, IL-6, IL-12                  |
| (3) IL-12, tumor necrosis factor, IL-6 | (4) Tumor necrosis factor, IL-12, IL-1 |

**111. The term PERIODONTAL PLASTIC SURGERY is coined by**

- |                  |            |
|------------------|------------|
| (1) Dorfman      | (2) Cohen  |
| (3) Land and loe | (4) Miller |

**112. Van cott's vaccine was**

- |                         |                           |
|-------------------------|---------------------------|
| (1) AIDS vaccine        | (2) Dental caries vaccine |
| (3) Periodontal vaccine | (4) Hepatitits vaccine    |

**113. The concentration of volatile sulfide compounds in the Air, saliva or crevicular fluid can be measured by:**

- |                          |                     |
|--------------------------|---------------------|
| (1) Gas chromatography   | (2) Perio scan      |
| (3) Organoleptic testing | (4) Periodontometer |

**114. The instrument which has a two-point contact with the tooth Surface is**

- |                    |                   |
|--------------------|-------------------|
| (1) U-15/30 scaler | (2) Hoe scaler    |
| (3) Gracey curette | (4) Chisel scaler |

**115. The BANA reaction is helpful for detection of one of the following periodontal pathogen**

- |                           |                           |
|---------------------------|---------------------------|
| (1) Actinomycetemcomitans | (2) Treponema denticola   |
| (3) Eikinella corrodens   | (4) Prevotella intermedia |

**116. The maxillary teeth if placed too far anteriorly and superiorly in a complete denture results in faulty pronunciation of**

- |                  |                  |
|------------------|------------------|
| (1) F & V sounds | (2) S & T sounds |
| (3) Vowels       | (4) Consonants   |

117. Best radiograph for Zygomaticomaxillary complex fractures
- (1) Occipitomental projection
  - (2) Submentovertex projection
  - (3) PA view
  - (4) Orthopantomograph
118. Millard's rule of 10 does not include which of the following
- (1) 10 weeks of age
  - (2) 10 gm of Hb
  - (3) 10 pounds of weight
  - (4) 10 inches of head circumference
119. Ashley's operation is
- (1) A palatal rotation flap for oroantral fistula closure
  - (2) A modification of Caldwell-Luc antrostomy
  - (3) Other name for Partsch I operation
  - (4) None of the above
120. Recurrent buccal space abscess is seen in
- (1) Crohn's disease
  - (2) Kohn's disease
  - (3) Hemophilus influenza infection
  - (4) All of the above
121. Fothergill's disease is
- (1) Facial nerve paralysis
  - (2) Glossopharyngeal nerve neuralgia
  - (3) Trigeminal neuralgia
  - (4) Idiopathic orofacial pain
122. The amount of vasoconstrictor 1:2,00,000 in 1 cartridge (1.8 ml) of LA solution is
- (1) 0.005 mg/ml
  - (2) 0.006 mg/ml
  - (3) 0.007 mg/ml
  - (4) 0.009 mg/ml
123. Hypoglycemia is considered when blood glucose levels are below
- (1) 30 mg/100 ml blood
  - (2) 40 mg/100 ml blood
  - (3) 60 mg/100 ml blood
  - (4) 70 mg/100 ml blood

124. Scrap amalgam from condensation procedures should be stored under
- (1) X-Ray fixer (2) Diluted NaOCl  
(3) Saline (4) Discarded into drain
125. Vertical compaction of warm gutta percha was proposed by
- (1) Schilder (2) Buchanan  
(3) Mc Spadden (4) Seltzer
126. The non-steroidal anti inflammatory drug which inhibits the periradicular bone resorption is
- (1) Aspirin (2) Indomethacin  
(3) Mefanamic acid (4) Aceatminofen
127. Which of the following file resembles rat tail file?
- (1) H-file (2) Rispisonic  
(3) Barbed broach (4) U-file
128. The fourth canal of maxillary first molar is situated
- (1) In the distal root  
(2) In the mesiobuccal root, mesial to mesiobuccal orifice  
(3) In the distobuccal root, lingual to the disotbuccal orifice  
(4) In the mesiobuccal root, lingual to mesiobuccal orifice
129. Most common failure of replantation of an avulsed tooth is
- (1) Root resorption (2) Discoloration  
(3) Abscess formation (4) Mobility
130. Which of the following is not a root end filling material?
- (1) Composite (2) Glass ionomer cement  
(3) Zinc oxide eugenol cement (4) Calcium hydroxide cement

- 131.** Nikolsky's Sign is not seen in
- (1) Pemphigus
  - (2) Familial Benign Pemphigus
  - (3) Epidermolysis Bullosa (Autosomal Dominant)
  - (4) Epidermolysis Bullosa (Autosomal Recessive)
- 132.** Precaution to be given to the patient while prescribing Tetracycline is
- (1) Should not be taken with Milk products
  - (2) Should be taken with Milk products
  - (3) Should be taken with food
  - (4) None of the above
- 133.** Cross Sensitivity is seen between Penicillin and
- |                   |                    |
|-------------------|--------------------|
| (1) Ciprofloxacin | (2) Gentamycin     |
| (3) Erythromycin  | (4) Cephalosporins |
- 134.** Bence-John's Proteins are seen in
- |                              |                        |
|------------------------------|------------------------|
| (1) Infectious Mononucleosis | (2) Burkitt's Lymphoma |
| (3) Multiple Myeloma         | (4) Hodgkin's Disease  |
- 135.** The following is not a Premalignant Lesion or condition
- |                         |                                    |
|-------------------------|------------------------------------|
| (1) Stomatitis Nicotina | (2) Bowen's Disease                |
| (3) Actinic Keratosis   | (4) Sublingual Butterfly Keratosis |
- 136.** Mumps is caused by
- |                  |                   |
|------------------|-------------------|
| (1) Papova Virus | (2) Picorna Virus |
| (3) Parvo Virus  | (4) Paramyxovirus |
- 137.** The Normal Partial Thromboplastin time is
- |                   |                    |
|-------------------|--------------------|
| (1) 1-2 Minutes   | (2) 5 - 10 seconds |
| (3) 10-15 seconds | (4) 15-35 seconds  |

138. Eruption cysts are best treated by
- (1) Incision and drainage (2) No treatment only observation  
(3) Excision (4) Curettage
139. A child visiting dentist for the first time has basic fear of
- (1) Tooth extraction (2) Pain  
(3) Equipment (4) Unknown
140. Recommended time period of splinting for Avulsed Anterior teeth
- (1) 2–3 weeks (2) 1–2 weeks  
(3) 6–8 weeks (4) 2–3 months
141. The example of Tissue bearing functional appliance is
- (1) Activator (2) Frankel  
(3) Herbst (4) Jasper jumper
142. Functional Matrix theory was proposed by
- (1) Angle (2) Scott  
(3) Moss (4) Sicher
143. Sunday bite is related to
- (1) Class III skeletal and dental problems  
(2) Class I skeletal and dental problems  
(3) Open bite problems  
(4) Class II skeletal and dental problems
144. The Coffin spring is made from
- (1) 1.25 mm thickness SS wire (2) 1 mm thickness SS wire  
(3) 0.7 mm thickness SS wire (4) 0.9 mm thickness SS wire

145. Regarding HIV infection all are true except
- (1) A low CD4 count is associated with high mortality
  - (2) 1 ml of HIV infected blood contains  $10^9$  HIV particles
  - (3) Homosexuals are more prone for the disease
  - (4) Likelihood of developing AIDS is reduced by highly active antiretroviral therapy (HAART)
146. Regarding Branchial cyst all are true except
- (1) It develops from vestigial remnants of second branchial cleft
  - (2) It is lined by columnar epithelium
  - (3) Its fluid contains cholesterol crystals
  - (4) It is present in the upper part of neck
147. Regarding thyroglossal fistula all are true except
- (1) It is usually congenital
  - (2) It moves with protrusion of tongue
  - (3) It is lined by columnar epithelium
  - (4) It follows after infection or inadequate removal of thyroglossal cyst
148. Which is the most common site of fracture mandible
- |                           |                                |
|---------------------------|--------------------------------|
| (1) Ramus of the mandible | (2) Neck of the condyle        |
| (3) Angle of the mandible | (4) At the canine tooth region |
149. Regarding Graves disease all are true except
- (1) It presents with diffuse enlargement of thyroid
  - (2) Its exophthalmos is characteristic
  - (3) It is more common in old female patients
  - (4) It occurs in previously healthy gland

- 150.** The largest cusp in permanent mandibular first molar is
- (1) Mesiobuccal (2) Distobuccal  
(3) Mesiolingual (4) Distal
- 151.** The characteristic feature of mandibular first premolar is
- (1) Mesiobuccal groove (2) Mesiolingual groove  
(3) Distobuccal groove (4) Distolingual groove
- 152.** Which of the following has bifid root
- (1) 32, 42 (2) 31, 41  
(3) 14, 24 (4) 13, 23
- 153.** Tooth with smallest root is
- (1) Maxillary central incisor (2) Maxillary lateral incisor  
(3) Mandibular central incisor (4) Mandibular lateral incisor
- 154.** Permanent mandibular first molar is developed from how many lobes
- (1) 3 (2) 4  
(3) 5 (4) 6
- 155.** Enamel formation of maxillary primary cuspid is completed at
- (1) 6 months in utero (2) 6 months after birth  
(3) 9 months in utero (4) 9 months after birth
- 156.** Duration of the local anaesthetic activity is due to
- (1) Lipid Solubility (2) Degree of protein binding  
(3) pka (4) Non nervous tissue diffusibility
- 157.** 1 : 10,000 dilution of vasoconstrictor means
- (1) 1 mg in 1 ml of solution (2) 0.1 mg in 1 ml of solution  
(3) 0.01 mg in 1 ml of solution (4) 10 mg in 1 ml of solution



158. Of the following the cyst with highest recurrence rate is

- (1) Odontogenic Kerotocyst
- (2) Radicular cyst
- (3) Dentigerous cyst
- (4) Lateral Periodontal cyst

159. In histological appearance, the following is not a zone of enamel caries

- (1) Translucent zone
- (2) Zone of fatty degeneration of tomes fibres
- (3) Surface zone
- (4) Body of lesion

160. Positive nikolsky's sign is characteristic feature of

- (1) Herpes
- (2) Psoriasis
- (3) Aphthous
- (4) Pemphigus vulgaris

161. Malignant parotid gland disease with perineural invasion is

- (1) Cylindroma
- (2) Warthins tumour
- (3) Malignant pleomorphic adenoma
- (4) Ductal papilloma

162. Intertwining of enamel rods at the cusp tips and the incisal edges of a tooth is called

- (1) Incremental lines of woven
- (2) Incremental lines of retzius
- (3) Gnarled enamel
- (4) Enamel spindles

163. All of the following are true about dental pulp except

- (1) Formation of dentin
- (2) Sends impulses to CNS
- (3) Nerve supply to enamel through fibres
- (4) Nerve supply to dentin



172. Organelle responsible for protein synthesis is
- (1) Lysosomes (2) Centrosomes  
(3) Ribosomes (4) Mitochondria
173. Half life of a neutrophil in circulation is
- (1) 24 Hrs (2) 48 Hrs  
(3) 6 Hrs (4) 120 days
174. The amount of Saliva secreted per day is
- (1) 1500 ml (2) 500 ml  
(3) 3000 ml (4) 150 ml
175. Normal duration of PR interval is
- (1) 0.12 to 0.2 sec (2) 0.30 to 0.40 sec  
(3) 1.0 to 3.0 sec (4) 0.05 to 0.1 sec
176. Neurotransmitter released at the Neuro-muscular junction is
- (1) Acetylcholine (2) Dopamine  
(3) Serotonin (4) Nor adrenaline
177. Hyper secretion of Growth hormone after closure of epiphysis produces
- (1) Gigantism (2) Acromegaly  
(3) Dwarfism (4) Thyrotoxicosis
178. Each gram of hemoglobin can bind
- (1) 1.34 ml of O<sub>2</sub> (2) 3.3 ml of O<sub>2</sub>  
(3) 4.4 ml of O<sub>2</sub> (4) 5.5 ml of O<sub>2</sub>
179. Aquaporins are present in the tissues of the following except
- (1) Kidneys (2) Brain  
(3) Lacrimal gland (4) Liver

180. The tensile strength of a healing wound depends upon
- (1) Formation of collagen fibers
  - (2) Adequate fluid intake
  - (3) Erythropoietin stimulation of bone marrow
  - (4) Wound hormones
181. Acinic cell carcinoma of the salivary gland arises most often in the
- (1) Parotid gland
  - (2) Minor salivary gland
  - (3) Submandibular salivary gland
  - (4) Sublingual salivary gland
182. Which of the following stain is specific for amyloid?
- (1) PAS
  - (2) Alzerian red
  - (3) Congo red
  - (4) Von-Kossa
183. The general causes of pathological atrophy includes all of the following except
- (1) Decreased nourishment
  - (2) Disuse
  - (3) Chemical stimulation
  - (4) Loss of innervation
184. The most abundant glycoproteins present in the basement membrane are
- (1) Laminin
  - (2) Fibronectin
  - (3) Collegen type-4
  - (4) Heparan sulfate
185. An adverse effect common to all ACE inhibitors
- (1) Vomitting
  - (2) Dry cough
  - (3) Throbbing headache
  - (4) Blurring of vision
186. Which drug is used along with oximes in organophosphorous poisoning?
- (1) Adrenaline
  - (2) Atropine
  - (3) Propranalolol
  - (4) Paracetamol

187. Pressurised adaptation of gold within the space between tooth structure is called
- (1) Welding (2) Wedging  
(3) Annealing (4) Degassing
188. Lost wax technique in dentistry was developed by
- (1) Bowen (2) Weine  
(3) Taggart (4) G.V. Black
189. The Sprue length should be adjusted so that top of the wax pattern is within \_\_\_\_\_ mm
- (1) 3 mm (2) 4 mm  
(3) 5 mm (4) 6 mm
190. Which of the following metal oxides is added to porcelain for brown pigmentation?
- (1) Copper Oxide (2) Nickel Oxide  
(3) Magnesium Oxide (4) Cobalt Oxide
191. Treponema Pallidum is stained by
- (1) Gram's method (2) Zeihl Neelsen method  
(3) Silver impregnation method (4) Giemsa method
192. Clostridium tetani is
- (1) Gram positive aerobic spore bearing bacillus  
(2) Gram negative anaerobic spore bearing bacillus  
(3) Gram negative aerobic spore bearing bacillus  
(4) Gram positive anaerobic spore bearing bacillus
193. Which immunoglobulin class is known as secretory immunoglobulin?
- (1) Ig A (2) Ig D  
(3) Ig E (4) Ig G

- 194. Arrector pilorum muscle is supplied by**
- (1) Sympathetic fibers
  - (2) Sympathetic fibers secreting adrenaline
  - (3) Parasympathetic fibers secreting acetylenoline
  - (4) Parasympathetic fibers secreting adrenaline
- 195. Lining Opithelium of urotor is**
- (1) Pseudo-stratified columnar
  - (2) Stratified squamous non-keratinised
  - (3) Transitional
  - (4) Columnar
- 196. Mandibular division of trigeminal nerve supply**
- (1) Posterior belly of digastric
  - (2) Levator palatini
  - (3) Tensor palatine
  - (4) None of the above
- 197. The most important single muscle of the Larynx are**
- |                           |                                |
|---------------------------|--------------------------------|
| (1) Transverse arytonoids | (2) Posterior crico arytenoids |
| (3) Thyro crytonoids      | (4) Vocalis muscle             |
- 198. The primary structure of Glutathione is**
- |                 |                 |
|-----------------|-----------------|
| (1) Glu-Cys-Gly | (2) Gly-Glu-Cys |
| (3) Cys-Glu-Gly | (4) Glu-Gly-Cys |
- 199. Which is not a zinc-containing enzyme?**
- |                        |                            |
|------------------------|----------------------------|
| (1) Carbonic anhydrase | (2) Alcohol dehydrogenase  |
| (3) Aldolase           | (4) Pyruvate dehydrogenase |
- 200. Basal Metabolic Rate is increased in**
- |                        |                         |
|------------------------|-------------------------|
| (1) Hypothyroidism     | (2) Hyperthyroidism     |
| (3) Hypoparathyroidism | (4) Hyperparathyroidism |

**Space For Rough Work**

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