

Question Booklet  
Series:

**D**

**MDS Entrance Test – 2015**  
**QUESTION BOOKLET**  
**Paper - II (CLINICAL)**

INSTRUCTIONS

Question Booklet  
Number:

**640045**

Maximum Time Allowed: 2 Hours

No. of Questions: 150  
Maximum Marks: 150

Roll Number:

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Answer Sheet Number:

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Please read the following instructions carefully:

1) **Check the Question Booklet thoroughly:** In case of any defect - Misprint, Missing question(s), Missing page, Blank page, Damaged or Defaced page, or duplication of question(s) / Page(s), get the Booklet changed with the Booklet of the same series from the Room Invigilator. No complaint shall be entertained after the Entrance Test is over.

2) Write your Roll Number and the OMR Answer Sheet Number on the Question Booklet.

3) Mark carefully your Roll Number, Question Booklet Number, Paper Code, Question Booklet Series and Course on the OMR Answer Sheet and sign at the appropriate place. Incomplete particulars given will result in the non-evaluation of your Answer Sheet.

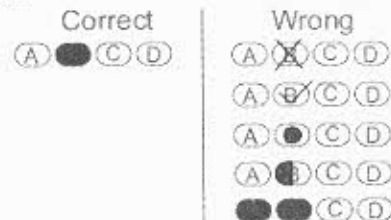
4) Strictly follow the instructions given by the Centre Supervisor / Room Invigilator and those given on the Question Booklet.

5) Candidates are not allowed to carry any papers, notes, books, calculators, cellular phones, scanning devices, pagers etc. to the Examination Hall. Any candidate found using, or in possession of, such unauthorized material or indulging in copying or impersonation or adopting unfair means / reporting late / without Admit Card will be debarred from the Entrance Test.

6) Please mark the right responses on the OMR Sheet with ONLY a Blue/Black ball point pen. Use of eraser, whitener (fluid) and cutting on the OMR Answer Sheet is NOT allowed.

7) The test is of objective type, containing multiple choice questions (MCQs). Each objective question is followed by four responses. You are required to choose the correct/best response and mark your response on the OMR Answer Sheet and NOT on the Question Booklet.

8) For marking response to a question, completely darken the CIRCLE so that the alphabet inside the CIRCLE is not visible. Darken only ONE circle for each question. If you darken more than one circle, it will be treated as a wrong answer. The CORRECT and the WRONG methods of darkening the CIRCLE on the OMR Answer Sheet are shown below.



9) Please be careful while marking the response to questions. The response once marked cannot be changed and if done shall be treated as a wrong answer.

10) In view of the limited time, do NOT waste your time on a question which you find difficult. Attempt easier questions first and come back to the difficult questions later during the test.

11) DO NOT make any stray marks anywhere on the OMR Answer Sheet. DO NOT fold or wrinkle the OMR Answer Sheet.

12) Rough work MUST NOT be done on the OMR Answer Sheet. Use rough page of your Question Booklet for this purpose.

13) Candidates are provided carbonless OMR Answer Sheet, having original copy and candidate's copy. After completing the examination, candidates are directed to fold at perforation on the top of the sheet, tear it to separate original copy and candidate's copy and then hand over the original copy of OMR Answer Sheet to the Room Invigilator and retain candidate's copy.

DO NOT OPEN THE SEAL OF THIS BOOKLET UNTIL TOLD TO DO SO

1. The most common causative organism responsible for antibiotic associated diarrhea is
  - (A) clostridium difficile
  - (B) campylobacter jejuni
  - (C) escherichia coli
  - (D) shigella spp
2. Which of the following viruses is known to cause chronic hepatitis?
  - (A) Hepatitis A virus
  - (B) Hepatitis B virus
  - (C) Hepatitis D virus
  - (D) Hepatitis E virus
3. Stamp Cusps
  - (A) Overlap the opposing teeth
  - (B) Contact the opposing teeth along the central fossa
  - (C) Are the distal cusp of mandibular 1<sup>st</sup> molar
  - (D) Are the cusp of carabelli
4. All of the following equipment should be mandatorily available in the dental operation room premises EXCEPT:
  - (A) Suction Machine
  - (B) Defibrillator
  - (C) Fibrescope
  - (D) Spare full oxygen cylinder
5. Turbid Dentin
  - (A) Shows normal dentinal tubules
  - (B) Is heavily mineralized
  - (C) Contains collagen that is reversibly denatured
  - (D) Does not self-repair
6. Which among the following has the highest film thickness?
  - (A) Glass ionomer cement
  - (B) Polycarboxylate cement
  - (C) Resin cement
  - (D) Zinc phosphate cement
7. Instrument used to detect dental caries based on Infrared Laser Fluorescence is
  - (A) DIAGNOdent
  - (B) Microscope
  - (C) Transillumination
  - (D) TENS
8. The early caries lesion best seen on smooth surfaces of teeth and visible as 'white spot' is called as
  - (A) Cavitation
  - (B) Incipient caries
  - (C) Occult caries
  - (D) Arrested caries
9. Ideal recommended treatment duration for new case of pulmonary tuberculosis as per the dots therapy is:
  - (A) 3 months
  - (B) 6 months
  - (C) 9 months
  - (D) 12 months
10. Which of the following is NOT used to increase the width of attached gingiva?
  - (A) Free gingival autograft
  - (B) Free connective tissue graft
  - (C) Apically displaced flap
  - (D) Lateral pedicle graft
11. Among which of the following disorders, high values of Anti-smith antibodies and ANA could be appreciated together?
  - (A) Rheumatoid arthritis
  - (B) Systemic sclerosis
  - (C) Mixed connective tissue disorder
  - (D) SLE

12. The growth of *Porphyromonas gingivalis* is enhanced by metabolic byproduct succinate produced by:
  - (A) *Capnocytophaga ochraceus*
  - (B) *Prevotella intermedia*
  - (C) *Streptococcus mutans*
  - (D) *Actinomyces naeslundii*
13. Most sensitive biomarker for heart failure is
  - (A) B-type natriuretic peptide (BNP)
  - (B) troponin T
  - (C) uric acid
  - (D) C-reactive protein
14. Growth of mandible occurs
  - (A) Downward and forward
  - (B) Downward and backward
  - (C) Upward and forward
  - (D) Upwards and anteriorly
15. Which of the following lesion will have high tissue signal characteristic in T2-weighted MRI process?
  - (A) Odontogenic myxoma
  - (B) Osteoma
  - (C) Osteoblastoma
  - (D) Odontoma
16. Correction of rotation requires how much force?
  - (A) 10-20 g
  - (B) 100-125 g
  - (C) 35-60 g
  - (D) Any of the above
17. What is the size of actual focal spot?
  - (A) 1 x 1 mm
  - (B) 1 x 2 mm
  - (C) 1 x 3 mm
  - (D) 1 x 4 mm
18. Laterally (horizontally) Displaced Flap technique was originally described by:
  - (A) Edel in 1975
  - (B) Grupe and Warren in 1956
  - (C) Sullivan and Atkins in 1960's
  - (D) Morris 1965
19. Minor connector is given mainly to
  - (A) Distribute stresses and prevent buildup of force at a single point
  - (B) Provide counterleverage
  - (C) Prevent transfer of effect of retainer to denture
  - (D) Provide rigidity
20. Eruption cyst or hematoma is a type of
  - (A) Odontogenic keratocyst
  - (B) Primordial cyst
  - (C) Fibroma
  - (D) Dentigerous cyst
21. Which of the following is the function of 'guide surface-guide plate contact'?
  - (A) Provide for one path of insertion/dislodgement
  - (B) Provide reciprocation
  - (C) Minimize wedging stresses on abutment teeth
  - (D) All
22. Calcification of the pulp:
  - (A) is a response to aging
  - (B) indicates the presence of additional canals
  - (C) indicates presence of internal resorption
  - (D) does not relate to the periodontal condition
23. One gram of plaque contains approximately
  - (A)  $2 \times 10^2$  bacteria
  - (B)  $2 \times 10^3$  bacteria
  - (C)  $2 \times 10^8$  bacteria
  - (D)  $2 \times 10^{11}$  bacteria

24. In CBCT technology, the speed with which individual images are acquired is called
- (A) Running rate
  - (B) Frame rate
  - (C) Projection rate
  - (D) Image rate
25. To minimize the fogging effect of prolonged exposure, safe light should be
- (A) 15 watts
  - (B) 20 watts
  - (C) 25 watts
  - (D) 30 watts
26. Blanching at the site of injection is caused by:
- (A) Increased tissue tension
  - (B) Local effects of reducing agent in LA solution
  - (C) Decreased tissue tension
  - (D) Infection at the site of injection
27. The ideal thickness of a free gingival autograft derived from palate should be:
- (A) 1.0-1.5 mm
  - (B) 1.5-2.0 mm
  - (C) 2.0-2.5 mm
  - (D) 2.5-3.0 mm
28. Which among the following tumours will have coarse, curved septa which originates from the normal bone that has been trapped within the bone? The septa can remodels into curved shapes providing a radiographic honey comb or soap bubble patterns
- (A) Odontogenic myxoma
  - (B) Radicular cyst
  - (C) Adenomatoid odontogenic tumor
  - (D) Ameloblastoma
29. All characterize chronic gastritis type b EXCEPT:
- (A) it is caused by *H. pylori*
  - (B) it is antral-predominant
  - (C) it is commonly associated with pernicious anemia
  - (D) it predisposes to gastric MALT lymphoma
30. Maxillary sinus infection of odontogenic origin is most commonly caused by:
- (A) Aerobic bacteria
  - (B) Anaerobic bacteria
  - (C) Fungal
  - (D) Mixed
31. Green Complex includes all the following bacteria EXCEPT:
- (A) *Eikenella corrodens*
  - (B) *Actinobacillus actinomycetemcomitans*
  - (C) *Campylobacter* species
  - (D) *Capnocytophaga* species
32. Mahler scale is used for assessing
- (A) Fracture in restoration
  - (B) Fracture in tooth structure surrounding a restoration
  - (C) Marginal breakdown of a restoration
  - (D) Taper of the cavity walls
33. Small Inlays may produce
- (A) Pressure on the buccal cusps
  - (B) Pressure on the lingual cusps
  - (C) Wedging effect on the facial or lingual tooth structure
  - (D) Wedging effect on the mesial or distal aspect of tooth structure

34. In systematic examination of facial and dental appearance, mini-esthetics include the assessment of :
- (A) Tooth shade
  - (B) Excessive or deficient face Height
  - (C) Gingival shape and contour
  - (D) Inappropriate gingival heights
35. Most common complication of rheumatoid arthritis involving TMJ is:
- (A) Ankylosis
  - (B) Subluxation
  - (C) Osteoma of condyle
  - (D) Recurrent dislocation
36. One is NOT an indication for total parenteral nutrition.
- (A) Acute Pancreatitis
  - (B) Enterocolic fistula
  - (C) Chronic liver disease
  - (D) Faecal fistula
37. Epithelial myoepithelium most commonly resembles \_\_\_\_\_ histologically:
- (A) Mucoepidermoid carcinoma
  - (B) Pleomorphic adenoma
  - (C) Adenocarcinoma
  - (D) Mucous retention cyst
38. A patient in the postoperative period needs oxygen. Which of these devices will provide a predictable concentration of oxygen, independent of patient's respiratory efforts?
- (A) Nasal Prong
  - (B) Nasal cannula
  - (C) Venturi mask
  - (D) Face mask
39. Pitch, roll and yaw of the esthetic line of the dentition is a particularly useful way to evaluate the relationship of the teeth to the soft tissues that frame their display. From this perspective, yaw describes:
- (A) Rotation of the jaw or dentition to one side or the other, around a vertical axis
  - (B) Vertical position of teeth when it is different on right and left sides
  - (C) An excessive upward/downward rotation of the dentition, anteriorly or posteriorly
  - (D) Excessive forward or backward position of dentition
40. A selective protease gingipain is produced by:
- (A) *P. intermedia*
  - (B) *P. gingivalis*
  - (C) *A. actinomycetemcomitans*
  - (D) *A. viscosus*
41. tTG tissue transglutaminase antibodies are diagnostic of
- (A) tropical sprue
  - (B) coeliac disease
  - (C) Lymphangiectasia
  - (D) all of the above
42. The technique involving filling the fissures with silver or copper oxyphosphate cement as soon as the teeth erupt into the oral cavity is called
- (A) Prophylactic odontotomy
  - (B) Pit and fissure sealant
  - (C) Fissure eradication
  - (D) Enameloplasty
43. The eutectic mixture of local anesthetics (EMLA) cream contains:
- (A) 2.5% lignocaine and 2.5% prilocaine
  - (B) 2.5% lignocaine and 5.0% prilocaine
  - (C) 5.0% lignocaine and 2.5% prilocaine
  - (D) 5.0% lignocaine and 5.0% prilocaine

44. What is the SI unit of absorbed dose?  
(A) Sieverts  
(B) Gray  
(C) Becquerel  
(D) None of the above
45. Most common cause of Retroperitoneal Abscess is  
(A) Pott's spine  
(B) Malignancies  
(C) Pancreatic disease  
(D) Renal Origin
46. Which of the following is NOT a method of distalisation for gaining space?  
(A) Open coil spring  
(B) Pendulum appliance  
(C) Keles and Sayinsu appliance  
(D) Double cantilever spring
47. All of the following can cause community-acquired pneumonia EXCEPT  
(A) haemophilus influenzae  
(B) streptococcus pneumoniae  
(C) Moraxella catarrhalis  
(D) escherichia coli
48. Resilon is a  
(A) Mutagenic Material  
(B) Industrial polyurethane with high performance  
(C) Intracanal medicament highly alkaline  
(D) Highly alkaline Root canal irrigant
49. Lip switch procedure is also called:  
(A) Simple alveoloplasty  
(B) Submucosal vestibuloplasty  
(C) Labial frenectomy  
(D) Transpositional flap vestibuloplasty
50. A 50 year male patient collapses in the dental chair in your private clinic just as you were about to begin his oral examination. He is unresponsive and NOT breathing. What will you do next?  
(A) Call for ambulance and AED and then begin CPR  
(B) Immediately begin CPR  
(C) Call the relatives of the patient and take history  
(D) Inform police
51. Gingivectomy procedure is indicated in:  
(A) Elimination of suprabony Periodontal abscesses  
(B) Situation on which bottom of the pocket is apical to the mucogingival junction  
(C) Esthetic Considerations, particularly in the anterior Maxilla  
(D) None of the Above
52. The Bennet shift is  
(A) Caused by contraction of one external pterygoid muscle  
(B) Caused by the sphenomandibular ligament  
(C) A direct lateral side shift occurring simultaneously with a lateral mandibular movement  
(D) Caused by the articular disc
53. All are included in Ranson's criteria for acute gallstone induced pancreatitis EXCEPT  
(A) TLC > 18000/mm<sup>3</sup>  
(B) LD > 400 IU/L  
(C) ALT > 250 IU/L  
(D) Base deficit > 5 mEq/L

54. A patient received a large MOD composite restoration 1 week ago. She is now experiencing intense, spontaneous pain, with exacerbation of symptoms occurring when she applies heat or cold or when she eats sweets. The pulpal diagnosis is:
- (A) Acute periapical periodontitis
  - (B) Reversible pulpitis
  - (C) Traumatic occlusion
  - (D) Irreversible pulpitis
55. Sigmund Freud in 1905 originated the popular child psychological development theory called as
- (A) Psychoanalytical theory
  - (B) Cognitive theory
  - (C) Hierarchy of needs
  - (D) Social learning theory
56. The waiting time between each heat test on a tooth is
- (A) 5 sec
  - (B) 10 sec
  - (C) 15 sec
  - (D) 20 sec
57. Natal teeth are
- (A) Those present at the time of birth
  - (B) Those which erupt within 30 days of birth
  - (C) Those which erupt within one year after birth
  - (D) All primary teeth
58. 'Swiss cheese' pattern is seen in:
- (A) Adenoid cystic carcinoma
  - (B) Pleomorphic adenoma
  - (C) Warthin's tumor
  - (D) Mikulics's disease
59. When expressed in terms of total calcium and organic phosphate, the ion product or calcium phosphate solubility product in normal individuals is approximately
- (A) 10
  - (B) 15
  - (C) 30
  - (D) 35
60. For orthodontic translation movement of periodontally involved teeth with bone loss, force and counter acting moment needed should be:
- (A) Force (smaller than normal) and moment (relatively larger than normal)
  - (B) Force (larger than normal) and moment (relatively smaller than normal)
  - (C) Both force and moment should be smaller than normal
  - (D) Both force and moment should be larger than normal
61. The rugae:
- (A) if distorted in an impression, provide comfort to the patient
  - (B) are irregular areas of hard tissue
  - (C) are located in the posterior part of the pala
  - (D) should not be distorted in an impression technique
62. The growth and differentiation of new cells and intercellular substances to form new tissues or parts is termed as:
- (A) Repair
  - (B) Readaptation
  - (C) Regeneration
  - (D) Reattachment



63. Hand over mouth exercise is a method of  
(A) Scheduling  
(B) Tangible reinforcement  
(C) Aversive conditioning  
(D) Retraining
64. If a patient with upper GI haemorrhage rebleeds within 48 hours of initial endoscopic therapy, next course of action is  
(A) Conservative management  
(B) Repeat endoscopic therapy  
(C) Surgical ligation of bleeding vessel  
(D) TIPSS
65. Treatment of choice for hepatitis C virus infection is  
(A)  $\alpha$ -interferon with ribavirin  
(B)  $\alpha$ -interferon with lamivudine  
(C) Tenofovir  
(D) Entecavir
66. This procedure preserves the pulp vitality.  
(A) Pulpectomy  
(B) Apexification  
(C) Indirect pulp therapy  
(D) Root canal therapy
67. Bull's eye appearance could be seen in which of the following lesion radiographically?  
(A) Osteoblastoma  
(B) Cementoblastoma  
(C) Osteoid osteoma  
(D) Osteopetrosis
68. In a complete denture  
(A) Centric balance is achieved before insertion and rest of balancing is done after 'settling' of denture base  
(B) Occlusion is perfected totally after the patient wears them  
(C) Occlusion is perfected totally before the patient is permitted to wear them  
(D) Occlusal grinding is delayed until the patient discovers errors in occlusion
69. In Marquis colour coded probe:  
(A) There is a marking at each millimetre and colour coding at 5<sup>th</sup>, 10<sup>th</sup> and 15<sup>th</sup> mm  
(B) There are marking at 3<sup>rd</sup>, 6<sup>th</sup> and 8<sup>th</sup> mm  
(C) Calibrations are at 3 mm sections  
(D) Markings at 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>, 5<sup>th</sup>, 7<sup>th</sup>, 8<sup>th</sup>, 9<sup>th</sup> and 10<sup>th</sup> mm
70. International prognostic index for lymphoma includes all EXCEPT  
(A) Early stage  
(B) Age > 60  
(C) Performance status > 2  
(D) > 2 extra nodal sites involved
71. Incidence of sialolithesis is very high in:  
(A) Parotid gland  
(B) Submandibular gland  
(C) Sublingual gland  
(D) Minor salivary glands
72. Molluscum contagiosum is caused by which of the following group of viruses?  
(A) Parvoviridae  
(B) Papovaviridae  
(C) Adenoviridae  
(D) Poxviridae



73. During Try-in of complete denture, while pronouncing "f" and "v" sound, the lower lip should:
- (A) Be anterior to maxillary anterior teeth
  - (B) Contact the incisal edges of maxillary anteriors
  - (C) Be posterior to maxillary anteriors
  - (D) Not touch maxillary anteriors
74. Water trees is associated with
- (A) Porosities in the polymerized adhesive layer
  - (B) Passage of bacteria and their toxins between margins and tooth preparation walls
  - (C) Normal pulp response after application of adhesive
  - (D) Shear bond strength testing
75. Ideal LASER light for soft tissue surgical procedures should be:
- (A) Monochromatic
  - (B) Collimated
  - (C) Uniphasic
  - (D) All
76. Ephebodontics refers to
- (A) Dentistry for elderly patients
  - (B) Dentistry for Special need adults
  - (C) Dentistry for adolescents
  - (D) Dentistry for Special need infants
77. Abstraction refers to
- (A) Increased distance of canine from orbital plane
  - (B) Increased distance between occlusal plane and Frankfurt Horizontal movement
  - (C) Constriction of Dental Arch
  - (D) Wide dental arch
78. Moment to Force ratio for Torquing movement of teeth is
- (A) 12:1
  - (B) 5:1
  - (C) 7:1
  - (D) 10:1
79. Which of the following adjuvant therapy has shown low efficacy in colon cancer with K-RAS mutation?
- (A) 5-Fluorouracil
  - (B) Cetuximab
  - (C) Oxaliplatin
  - (D) Bevacizumab
80. The Enzyme implicated in mineralization of calculus is:
- (A) Neuraminidase
  - (B) Esterase
  - (C) Arylsulfatase
  - (D) Trypsin like Enzyme
81. Prophylaxis for infective endocarditis in high risk patients is advised prior to dental procedures in all EXCEPT:
- (A) prosthetic valves
  - (B) prior endocarditis
  - (C) gastrointestinal surgery
  - (D) respiratory tract surgery
82. Most common site of accessory spleen is
- (A) Tail of Pancreas
  - (B) Omentum
  - (C) Hilum
  - (D) Spleno-Colic ligament
83. The most appropriate treatment for osteosarcoma is:
- (A) Surgery only
  - (B) Neoadjuvant chemotherapy and surgery
  - (C) Surgery and adjuvant radiotherapy
  - (D) Chemo and radiotherapy only
84. A gingival abscess or a draining fistula in relation to a tooth with deep caries is an obvious clinical sign of
- (A) Reversible diseased pulp
  - (B) Irreversible diseased pulp
  - (C) Pulp degeneration
  - (D) Abnormal tooth

85. The maximum permissible dose of bupivacain:  
(A) 0.6 mg/lb or 1.3 mg/kg body weight  
(B) 1.4 mg/kg body weight  
(C) 3.0 mg/kg body weight  
(D) 6.0 mg/kg body weight
86. Smile, when viewed front the front, is considered to be esthetically pleasing if  
(A) Each tooth in that smile / starting from midline is approximately 55% of the size of the tooth immediately mesial to it  
(B) Each tooth in that smile / starting from midline is approximately 60% of the size of the tooth immediately mesial to it  
(C) Each tooth in that smile / starting from midline is approximately 65% of the size of the tooth immediately mesial to it  
(D) Each tooth in that smile / starting from midline is approximately 70% of the size of the tooth immediately mesial to it
87. Growth of nasal bone is completed by  
(A) 18 years  
(B) 21 years  
(C) 10 years  
(D) 5 years
88. A patient of blunt trauma abdomen has pulse of 82/min Blood pressure of 108/68 mm Hg. USG Abdomen is suggestive of free fluid. What should be the next course of management?  
(A) Exploratory laparotomy  
(B) Conservative management  
(C) CECT Abdomen  
(D) Abdominal drain placement
89. The mechanism of development of residual compressive stress in the veneering ceramic of an all ceramic crown and a metal ceramic crown is the same.  
(A) TRUE  
(B) FALSE  
(C) There are no residual compressive stresses between veneering ceramic and core material  
(D) None
90. Epithelial cell rest of Malassez are found in  
(A) Gingiva  
(B) Alveolar bone  
(C) Cementum  
(D) Periodontal ligament
91. A positive Patchery test, Erythema Nodosum, genital ulceration are components of which of the following syndrome?  
(A) MAGIC syndrome  
(B) PFAPA syndrome  
(C) Sweet's syndrome  
(D) Behcet's syndrome
92. Loss of heterozygosity in which of the following genes correlates with lymph node metastasis and recurrence in Head and Neck squamous cell carcinoma?  
(A) 17p  
(B) 9p  
(C) 4q  
(D) 13q
93. Gorlin sign is appreciated in which of the following syndrome?  
(A) Ehlers-Danlos syndrome  
(B) Osler-Weber-Rendu syndrome  
(C) Darier's disease  
(D) Cole-Engman syndrome

94. In Skeletal Class III patients which sounds are distorted?
- (A) f,v
  - (B) s,z
  - (C) th,sh,ch
  - (D) All of the above
95. 50 year old female presents with recurrent episodes of jaundice with pain abdomen starting 3 years after laparoscopic cholecystectomy. What is the likely diagnosis?
- (A) CBD stricture
  - (B) Primary CBD stone
  - (C) Secondary CBD stone
  - (D) Periapillary carcinoma
96. Which of the following is NOT a type of candidiasis?
- (A) Chronic plaque type non-scrapable
  - (B) Median rhomboid glossitis
  - (C) Reticular type
  - (D) Angular Cheilitis
97. IgA and IgG degrading proteases are produced by the following bacteria EXCEPT:
- (A) *P.gingivalis*
  - (B) *P.intermedia*
  - (C) *Capnocytophaga*
  - (D) *A.actinomycetemcomitans*
98. Hutchinson's sign is associated with
- (A) Pemphigus
  - (B) Herpes zoster
  - (C) Lichen planus
  - (D) Erythema multiforme
99. The essential requirement of an impression for partial prosthesis is the:
- (A) Static relationship
  - (B) Registration of anatomic form
  - (C) Abutment teeth contour
  - (D) Distal extension base
100. The minimum recommended space between any two implant bodies in maxilla is:
- (A) 3 mm
  - (B) 1 mm
  - (C) 0.5 mm
  - (D) 5 mm
101. Which is NOT a method of inguinal hernia repair?
- (A) Bassini repair
  - (B) Mayo's repair
  - (C) Shouldice repair
  - (D) McVay's repair
102. A pediatric patient has undergone temporomandibular joint surgery. In the postoperative period, the patient has abnormal breathing sounds with activity of accessory muscles of respiration. The most appropriate immediate management in this situation is to:
- (A) Apply chin lift / jaw thrust maneuver
  - (B) Explore the site of surgery for correction of procedure
  - (C) Start oxygen at 6 liter per minute to assist respiration
  - (D) Shift patient with parents for tender care
103. The normal range of pulse pressure is
- (A) 20 to 40 mm of Hg
  - (B) 10 to 40 mm of Hg
  - (C) 30 to 50 mm of Hg
  - (D) 30 to 60 mm of Hg
104. What should be the INR which is reasonable to perform extraction without reduction in anticoagulant dose on patients with anti-coagulant therapy?
- (A) Less than 1
  - (B) Less than 1.5
  - (C) Less than 2
  - (D) Less than 2.5

105. Within 48 hours of transplantation, split skin graft survives due to  
(A) Amount of saline in graft  
(B) Plasma imbibition  
(C) New vessels growing from donor site  
(D) Connection between donor and recipient capillaries
106. The radius of action within which bacterial plaque can induce bone loss is within a range of:  
(A) 4 mm  
(B) 3.5 mm  
(C) 3.0 mm  
(D) 2.5 mm
107. Distobuccal root of upper 1<sup>st</sup> molar is supplied by:  
(A) Middle superior alveolar nerve  
(B) Posterior superior alveolar nerve  
(C) Infraorbital nerve  
(D) Mental nerve
108. Least common extra intestinal manifestation of amoebiasis is  
(A) brain abscess  
(B) pleural abscess  
(C) pericardial abscess  
(D) liver abscess
109. Common sequel after cancer chemotherapy is myelosuppression, which is characterized by:  
(A) Anemia and thrombocytopenia  
(B) Thrombocytosis  
(C) Leukocytosis  
(D) Lymphocytosis
110. 'Physiologic relief' of guide plates and minor connectors is accomplished at which of the following appointments?  
(A) RPD insertion stage  
(B) Mouth preparation stage  
(C) Final impression stage  
(D) Framework try in stage
111. Pedodontic treatment triangle depicts  
(A) One to two relationship among dentist, pediatric patient and parents  
(B) One to one relationship among dentist, pediatric patient and parents  
(C) One to three relationship among dentist, pediatric patient and parents  
(D) None of the above
112. Scorbatic gingivitis has marked clinical manifestation as  
(A) Spontaneous hemorrhage  
(B) Severe pain  
(C) Involvement of marginal gingival tissue and papillae  
(D) All of the above
113. All of the following are acyanotic congenital heart diseases EXCEPT:  
(A) patent ductus arteriosus  
(B) ventricular septal defect  
(C) atrial septal defect  
(D) tricuspid atresia
114. Which is NOT classified as T4b in breast cancer?  
(A) Satellite nodules  
(B) Peau d'orange  
(C) Nipple retraction  
(D) Skin ulceration
115. The angle the external finishing line forms with the major connector should be:  
(A) = 180°  
(B) > 110°  
(C) > 90°  
(D) < 90°

116. The margins of porcelain laminate veneer are placed deep into interproximal area when:
- (A) The entire labial embrasure space is visible
  - (B) The labial embrasure space is partially visible
  - (C) Majority of embrasure space is not visible
  - (D) Embrasure space visibility has no effect on veneer interproximal margin placement
117. When mixing zinc phosphate cement, a cool glass slab is used to:
- (A) Accelerate the setting time
  - (B) Create more free zinc oxide in the set cement
  - (C) Increase the powder liquid ratio
  - (D) Increase the expansion of the set cement
118. The major portion of organic matrix of cementum is composed of:
- (A) Type I collagen
  - (B) Type II collagen
  - (C) Type III collagen
  - (D) Type IV collagen
119. Removal of tissue from living individual for diagnostic purpose is called:
- (A) Autopsy
  - (B) Biopsy
  - (C) Cytology
  - (D) Aspiration
120. Recommended time for vaccination in elective splenectomy is
- (A) 2 days before surgery
  - (B) At least 2 weeks before surgery
  - (C) At the time of surgery
  - (D) 2 weeks after surgery
121. "Pink spot" is associated with
- (A) External resorption
  - (B) Internal resorption
  - (C) Pulpal necrosis
  - (D) Root resorption
122. During general anesthesia, the eyes of the patient should be covered to avoid:
- (A) Blinking of eyelids
  - (B) Exposure keratitis
  - (C) Infection
  - (D) Anxiety
123. Tumor which spreads through perineural space is:
- (A) Pleomorphic adenoma
  - (B) Basal cell carcinoma
  - (C) Adenoid cystic carcinoma
  - (D) Canalicular adenoma
124. To improve the surface quality, Ni-Ti Rotary Instrument are
- (A) Grinded
  - (B) Honed
  - (C) Laser etched
  - (D) Electropolished
125. Which of the following pontic designs have minimal contact with the mucosa?
- (A) Ridge lap
  - (B) Modified Ridge lap
  - (C) Stein
  - (D) Ovate
126. All following are causes of low SAAG ascites EXCEPT:
- (A) congestive heart failure
  - (B) tubercular ascites
  - (C) pancreatitis associated
  - (D) malignant ascites
127. A car accident victim opens eyes to painful stimuli, speaks inappropriate words and has a normal withdrawal to pain. Glasgow coma scale of patient is
- (A) 10
  - (B) 9
  - (C) 7
  - (D) 8

128. Type I respiratory failure is defined as following when arterial blood gases of subject shows:  
(A)  $\text{PaCO}_2$  low and  $\text{PaO}_2$  high  
(B)  $\text{PaCO}_2$  high and  $\text{PaO}_2$  high  
(C)  $\text{PaCO}_2$  low and  $\text{PaO}_2$  low  
(D)  $\text{PaCO}_2$  high and  $\text{PaO}_2$  normal
129. Which of the following components of noble alloys causes green discolouration in metal ceramic restorations?  
(A) Palladium  
(B) Silver  
(C) Gold  
(D) Gallium
130. Index reflecting the alignment and occlusion of teeth before and after orthodontic treatment is  
(A) PAR  
(B) IOTN  
(C) PMA  
(D) None of the above
131. During mandibular border molding the thickness of anterior lingual flange is determined by:  
(A) Pushing the tongue against the anterior part of palate  
(B) Retruding the tongue  
(C) Protruding the tongue  
(D) Making the patient pronounce 'K' sound
132. Angle introduced "edgewise" fixed appliance in 1928. He oriented the rectangular slot:  
(A) From vertical to horizontal  
(B) From horizontal to vertical  
(C) Keep horizontal as in ribbon arch appliance  
(D) Keep vertical as in ribbon arch appliance
133. Esophagus derives its blood supply from all EXCEPT  
(A) Inferior thyroid artery  
(B) Right gastric artery  
(C) Left gastric artery  
(D) Inferior phrenic artery
134. The ratio of B lymphocytes to T lymphocytes in GCF is  
(A) 3:1  
(B) 1:3  
(C) 2:1  
(D) 1:2
135. During growth internal mandible rotates forward on an average by  
(A)  $45^\circ$   
(B)  $15^\circ$   
(C)  $60^\circ$   
(D)  $30^\circ$
136. Long term effect of radiotherapy to oral mucosa is characterized by:  
(A) Epithelium becomes more keratinized  
(B) Submucosa becomes highly vascular  
(C) Break down and delayed healing, sub mucosa less vascular  
(D) No submucosal fibrosis
137. Sympathetic nerve fibers in the pulp  
(A) Run parallel to sensory nerves  
(B) Form plexus in the pulp tissue  
(C) Form plexus usually around arterioles  
(D) Enter into the accessory canals
138. The treatment of choice for uncomplicated community-acquired pneumonia is  
(A) amoxycillin  
(B) amikacin  
(C) vancomycin  
(D) ciprofloxacin
139. The laws of pulp chamber anatomy was given by  
(A) Krasner and Rankow  
(B) Abbott and Mulvay  
(C) Steele and Lemon  
(D) Cohen and Burns

140. Best indication for transpalatal arch is  
(A) When primary molars have been lost bilaterally  
(B) When one side of arch is intact, with several primary teeth missing on other side  
(C) Bilateral loss of second deciduous molars  
(D) Bilateral loss of first permanent molars
141. The parapneumonic pleural effusion deems to be empyema when pH of the aspirated pleural fluid is  
(A)  $> 10.3$   
(B)  $> 9.2$   
(C)  $> 8.1$   
(D)  $< 7.0$
142. A 'Four film series' includes following radiographs in a child patient  
(A) Two anterior and two posterior bite-wings  
(B) Four bite-wing radiographs  
(C) Maxillary and mandibular anterior occlusal and two posterior bite-wings  
(D) Two bite-wing and two IOPA radiographs of right and left side
143. To record the blood flow in human dental pulp, following is used  
(A) Laser Doppler Flowmeter  
(B) DIAGNOdent  
(C) TENS  
(D) Electric pulp tester
144. Which of the following formula is used to calculate optical density of an exposed x-ray film?  
(A)  $\log_e I_0/I_t$   
(B)  $\log_e I_t/I_0$   
(C)  $\log_{10} I_0/I_t$   
(D)  $\log_{10} I_t/I_0$
145. 'Mottled enamel' in dental fluorosis is due to  
(A) Excess fluoride affecting the ameloblasts during the tooth formation stage  
(B) Excess fluoride affecting the odontoblasts during the tooth formation stage  
(C) Decreased ingestion of fluoride affecting both ameloblasts and odontoblasts during the tooth formation stage  
(D) None of the above
146. In lip incompetency, lips are separated at rest:  
(A) More than 0 mm  
(B) More than 1 mm  
(C) More than 2 mm  
(D) By more than 3 to 4 mm
147. Dean's technique is also called:  
(A) Interradicular alveoloplasty  
(B) Intraseptal alveoloplasty  
(C) Simple alveoloplasty  
(D) Vestibuloplasty
148. Small size filler particles in composite resins  
(A) Results in composite resin that has better finishing characteristics but a lesser resistance to wear  
(B) Results in composite resin that has a greater resistance to wear but does not finish well  
(C) Results in a composite resin that has a better finishing characteristics and a greater resistance to wear  
(D) Results in a composite resin that has a lesser resistance to wear and also does not finish well
149. Definitive procedure for high type of anorectal malformations is ideally done at what age?  
(A) 3-6 months  
(B) 6-12 months  
(C) 1-2 years  
(D) After puberty
150. In long face individual palatal plane rotates  
(A) down posteriorly  
(B) up posteriorly  
(C) no movement  
(D) down anteriorly



Space for Rough Work: