

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

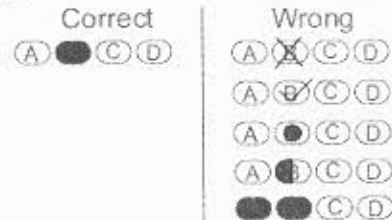
Roll Number:

Answer Sheet Number:

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 1st 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) Edell 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) 2×10^2 bacteria
 - (B) 2×10^3 bacteria
 - (C) 2×10^8 bacteria
 - (D) 2×10^{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/mm³
(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) α -interferon with ribavirin
 - (B) α -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 5th, 10th and 15th mm
 - (B) There are marking at 3rd, 6th and 8th mm
 - (C) Calibrations are at 3 mm sections
 - (D) Markings at 1st, 2nd, 3rd, 5th, 7th, 8th, 9th and 10th 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 Pathergy 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

