

## NEET MDS 2021 Memory Based Question Paper

**Time Allowed :3 Hours 20 Minutes**

**Maximum Marks :720**

**Total Questions :200**

### General Instructions

**Read the following instructions very carefully and strictly follow them:**

- (A) The NEET MDS Exam will be structured with a total of 720 marks.
- (B) The total duration of the exam is 3 Hours 20 Minutes.
- (C) The exam will be divided into 3 sections:
  - 1. General Anatomy, Physiology, and Biochemistry.
  - 2. General Pathology, Microbiology, and Pharmacology.
  - 3. Dental and Oral Pathology.
- (D) Each section will contain multiple-choice questions (MCQs) with four options.
- (E) Negative marking will apply for incorrect answers. For each incorrect answer, 1 mark will be deducted.
- (F) Ensure that you read each question carefully before answering.
- (G) No electronic devices, including calculators or mobile phones, are allowed inside the examination hall.
- (H) Candidates must carry their Admit Cards and valid ID proof to the examination center.

**1. Arrange the following zones of the pulp from outer to inner layer in the correct sequence:**

- (1) Odontoblastic zone
  - (2) Cell rich zone
  - (3) Cell free zone
  - (4) Central pulp
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**2. All of the following are the uses of EDTA, except:**

- (1) Dissolution of pulp
  - (2) Softening of dentin
  - (3) Removal of smear layer
  - (4) Chelation of calcium ions
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**3. Which of the following can be used as a base under CaOH<sub>2</sub> when the remaining dentin thickness is less than 1 mm?**

- (1) ZnOE
  - (2) Resin modified GIC
  - (3) Polycarboxylate
  - (4) ZnPO<sub>4</sub>
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**4. Dentin bonding agent is:**

- (1) Hydrophilic
  - (2) Hydrophobic
  - (3) Hydrophilic and hydrophobic
  - (4) Lipophilic and lipophobic
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**5. Law of symmetry is not followed by:**

- (1) Maxillary molars
  - (2) Mandibular molars
  - (3) Maxillary premolars
  - (4) Mandibular premolars
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**6. Which of the following is used to enlarge canal opening?**

- (1) K-file
  - (2) Reamer
  - (3) Gates Glidden drill
  - (4) Path finder
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**7. Strength of gypsum bonded investment material is provided by:**

- (1) Carbon Copper
  - (2) Silica
  - (3) Gypsum
- 

**8. All of the following statements regarding self cure as compared to heat cure are true, except:**

- (1) Self cure has lower molecular weight
  - (2) Self cure has higher residual monomer content
  - (3) Self cure is more porous
  - (4) Self cure has more transverse strength
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**9. During bleaching, light emitted from LED lamp is:**

- (1) Cold blue visible light 465 nm
  - (2) Hot blue visible light 465 nm
  - (3) Cold orange visible light 465 nm
  - (4) Cold green visible light 465 nm
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**10. The process of making the impression material to conduct electricity is:**

- (1) Metallizing
  - (2) Electroplating
  - (3) Iontophoresis
  - (4) Galvanizing
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**11. As the intensity increases, hue perception changes. The effect is called:**

- (1) Metamerism

- (2) Bezold-Brucke effect
  - (3) Chameleon effect
  - (4) Tyndall effect
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**12. Knives used in gingivectomy are:**

- (1) Merrifield and Orban
  - (2) Merrifield and Kirkland
  - (3) Kirkland and Orban
  - (4) 1 and 2
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**13. Which of the following statements is incorrect for furcation defect?**

- (1) Grade 3 defect is clinically visible
  - (2) Grade 1 can be visible radiographically as radiopaque
  - (3) In Grade 4 inter-radicular bone is completely lost
  - (4) In Grade 2 bone is attached to the dome of the furcation
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**14. Cheese-like material composed of food particles, desquamated epithelial cells, leukocytes, and microbes, which can be easily displaced with water spray, is known as:**

- (1) Materia alba
  - (2) Pellicle
  - (3) Calculus
  - (4) Acquired plaque
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**15. Which of the following is not found in the root?**

- (1) Enamel
  - (2) Dentin
  - (3) Cementum
  - (4) Pulp
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**16. Serum lipase levels are increased in:**

- (1) Acute pancreatitis
- (2) Diabetes mellitus

- (3) Myocardial infarction
  - (4) Obstructive jaundice
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**17. The plaque found in heavy calculus former differs from that in non-calculus former in that it has:**

- (1) Low calcium
  - (2) Low potassium
  - (3) Low phosphorus
  - (4) Mineral content is same
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**18. The dentist tries to prepare wax try-in using base plate wax in a tropical area, the type of wax preferred is:**

- (1) Type I base plate wax
  - (2) Type II base plate wax
  - (3) Type III base plate wax
  - (4) Type IV base plate wax
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**19. Drug of choice in acute necrotizing ulcerative gingivitis is:**

- (1) Metronidazole
  - (2) Clindamycin
  - (3) Tetracycline
  - (4) Ceftriaxone
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**20. Which vitamin deficiency is seen in chronic alcoholics?**

- (1) Vitamin B1
  - (2) Thiamine
  - (3) Riboflavin
  - (4) Vitamin A
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**21. The 18:8 stainless steel is composed of:**

- (1) 18-Chromium, 8-Nickel
- (2) 18-Cobalt, 8-Chromium

- (3) 18-Cobalt, 8-Nickel
  - (4) 18-Nickel, 8-Chromium
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**22. Titanium welding is done using:**

- (1) Argon
  - (2) Laser assisted
  - (3) Spot welding
  - (4) Thermal welding
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**23. Following tooth preparation, which chemicals are suitable for gingival retraction before making the impression?**

- (1) Acidic
  - (2) Basic
  - (3) Neutral
  - (4) Highly basic
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**24. Which density of bone is best suited to achieve a minimum difference in elastic modulus of titanium implant and the residual alveolar bone?**

- (1) D1
  - (2) D2
  - (3) D3
  - (4) D4
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**25. A 4-year-old child living in an area with water fluoride content of 0.5ppm, should be given supplemental fluoride tablet of:**

- (1) 0.15 mg/day
  - (2) 0 mg/day
  - (3) 5 mg/day
  - (4) 0.25 mg/day
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**26. A country is taking precautions for a disease which has not yet occurred. Which of the following level of prevention is most relevant?**

- (1) Primordial Prevention
  - (2) Primary Prevention
  - (3) Secondary Prevention
  - (4) Tertiary Prevention
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**27. Di-S score is 0.6, CI-S score is 0.7. What is the interpretation for OHI-S from this data?**

- (1) Good
  - (2) Excellent
  - (3) Fair
  - (4) Poor
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**28. Patient with temporary restorations on four fractured anterior teeth, 6 teeth with chalky and rough spots, and two 3 molars extracted due to pericoronitis. What is the DMFT score according to WHO Modified DMFT Index 1987?**

- (1) 6
  - (2) 0
  - (3) 10
  - (4) 12
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**29. Which phase of clinical trial is used to include large population to check the effectiveness, dosage, and safety of drugs?**

- (1) Phase 2
  - (2) Phase 4
  - (3) Phase 3
  - (4) Phase 5
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**30. Which of the following fluoride preparation combines with hydroxyapatite crystals to form calcium fluoride, which further diffuses to form fluorapatite crystals?**

- (1) Stannous fluoride
- (2) Sodium fluoride
- (3) Amine fluoride

(4) APF

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