

NEET MDS 2024 Question Paper with Solutions

Time Allowed :3 Hours 20 minutes	Maximum Marks :720	Total Questions :240
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General Instructions

1. The NEET MDS Exam will be structured with a total of 720 marks.
2. The total duration of the exam is 3 Hours 20 Minutes.
3. 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
4. Each section will contain multiple-choice questions (MCQs) with four options.
5. Negative marking will apply for incorrect answers. For each incorrect answer, 1 mark will be deducted.
6. Ensure that you read each question carefully before answering.
7. No electronic devices, including calculators or mobile phones, are allowed inside the examination hall.
8. Candidates must carry their Admit Cards and valid ID proof to the examination

1. Winterbottom's sign of trypanosomiasis refers to?

- (A) Swelling of lymph nodes in the neck
- (B) Bilateral swelling of the feet
- (C) Presence of fever and chills
- (D) Skin rash on the abdomen

2. Which sinus opening is not present in the middle meatus?

- (A) Maxillary sinus
- (B) Frontal sinus
- (C) Ethmoidal sinus
- (D) Sphenoid sinus

3. How is age estimation from an OPG (Orthopantomogram) of a child done?

- (A) By the eruption sequence of teeth
- (B) By the development of the root apex
- (C) By the length of the crown
- (D) By the shape of the jaw

4. What is the thick band-like gingiva on the canine called?

- (A) Mucogingival junction
- (B) Gingival recession
- (C) Gingival hyperplasia
- (D) Gingival collar

5. Does interproximal wear result in mesial drift?

- (A) Yes, it can result in mesial drift
- (B) No, it causes distal drift
- (C) No, it causes occlusal wear
- (D) Yes, but only in molars

6. What is the common feature in McCune-Albright syndrome, Fanconi anemia, and Noonan's syndrome?

- (A) Bone marrow failure
- (B) Developmental delays
- (C) Cardiovascular defects
- (D) Endocrine disorders

7. How is OPG used to identify the age of a child?

- (A) By assessing the shape of the teeth
- (B) By evaluating the eruption of the teeth
- (C) By measuring the length of the jaw
- (D) By identifying calcification stages of teeth

8. What is tumor staging classification grade?

- (A) TNM Classification
- (B) FIGO Classification
- (C) Breslow Classification
- (D) Ann Arbor Classification

9. What should be done for a premature baby with breathing difficulty and cyanosis?

- (A) Immediate intubation

- (B) Oxygen therapy
 - (C) Intravenous fluids
 - (D) Monitor and wait
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10. What are border movement and neutral zone while recording muscles?

- (A) Border movement refers to the movement of the mandible, and neutral zone refers to the position where muscles have equal force.
 - (B) Border movement refers to the limits of tooth movement, and neutral zone refers to the natural resting position.
 - (C) Border movement refers to the position of teeth during occlusion, and neutral zone refers to the area of the tongue's influence.
 - (D) Border movement refers to the jaw's occlusal position, and neutral zone refers to the teeth's contact.
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11. Which organisms are involved in ANUG (Acute Necrotizing Ulcerative Gingivitis)?

- (A) *Treponema denticola*, *Prevotella intermedia*, *Fusobacterium nucleatum*
 - (B) *Staphylococcus aureus*, *Streptococcus pneumoniae*, *Candida albicans*
 - (C) *Escherichia coli*, *Pseudomonas aeruginosa*, *Streptococcus mutans*
 - (D) *Actinomyces israelii*, *Lactobacillus acidophilus*, *Helicobacter pylori*
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12. Given the mean and standard deviation value, how is the standard error calculated?

- (A) Standard error = Standard deviation / square root of sample size
 - (B) Standard error = Mean / sample size
 - (C) Standard error = Standard deviation * sample size
 - (D) Standard error = Standard deviation / sample size
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13. Which precancerous lesions were identified in 2005 by the WHO?

- (A) Leukoplakia, Erythroplakia
 - (B) Lichen planus, Actinic keratosis
 - (C) Oral submucous fibrosis, Candidiasis
 - (D) Basal cell carcinoma, Squamous cell carcinoma
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14. What is the best treatment option for an avulsion that happened 10 minutes ago?

- (A) Immediate reimplantation of the tooth
 - (B) Use of an ice pack and waiting for dental intervention
 - (C) Preservation in milk and reimplantation
 - (D) No treatment necessary
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15. Unilateral cleft lip occurs due to?

- (A) Genetic factors
 - (B) Environmental factors
 - (C) Both genetic and environmental factors
 - (D) Nutritional deficiency
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16. If anterior teeth are periodontally compromised, what is the major connector in partial denture construction?

- (A) Lingual bar
 - (B) Palatal bar
 - (C) Kennedy bar
 - (D) Lingual plate
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17. What is the Merin classification?

- (A) Classification of periodontal disease
 - (B) Classification of malocclusion
 - (C) Classification of fractures
 - (D) Classification of cleft lips and palates
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18. What is the dose of adrenaline in Angina Pectoris?

- (A) 1 mg
 - (B) 0.5 mg
 - (C) 0.3 mg
 - (D) 0.2 mg
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19. There was an image-based question on Cherubism. What is Cherubism?

- (A) A congenital bone disorder affecting the face
- (B) A type of cranial deformity due to birth trauma
- (C) A rare soft tissue disorder of the mouth
- (D) A vascular malformation in the skull

20. Which drug is given in ACLS (Advanced Cardiac Life Support) for Ventricular Tachycardia?

- (A) Amiodarone
- (B) Atropine
- (C) Adrenaline
- (D) Lidocaine

21. A girl was having a problem with her eye. She could not see the whiteboard from a distance but she could see the textbook. What is it?

- (A) Hypermetropia
- (B) Myopia
- (C) Astigmatism
- (D) Presbyopia

22. What is the level of the Thyroid Cartilage?

- (A) C4
- (B) C5
- (C) C6
- (D) C3

23. What is the antidote for Morphine?

- (A) Naloxone
- (B) Flumazenil
- (C) Atropine
- (D) Protamine

24. Wallerian degeneration is seen in?

- (A) Peripheral nervous system
- (B) Central nervous system
- (C) Muscular system
- (D) Endocrine system

25. A patient came with painless swelling on the posterior jaw. On aspiration, only a drop of blood is obtained. What is the likely diagnosis?

- (A) Hemangioma
 - (B) Odontogenic cyst
 - (C) Aneurysmal bone cyst
 - (D) Malignant tumor
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26. What is the characteristic feature of Wispy Septa?

- (A) Radiographic appearance in cystic lesions
 - (B) Thickening of the bony cortex
 - (C) Presence of calcifications
 - (D) Bony spicules radiating from the lesion
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27. Gas gangrene is caused by?

- (A) *Clostridium perfringens*
 - (B) *Staphylococcus aureus*
 - (C) *Escherichia coli*
 - (D) *Pseudomonas aeruginosa*
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28. Which fungi is commonly associated with urinary tract infections in catheterized patients?

- (A) *Candida albicans*
 - (B) *Aspergillus fumigatus*
 - (C) *Cryptococcus neoformans*
 - (D) *Histoplasma capsulatum*
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29. What is the National Pathfinder Survey related to?

- (A) Educational achievement in the United States
 - (B) Nutritional habits of adolescents
 - (C) Global health initiatives
 - (D) Environmental conservation efforts
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30. What is the type of Ameloblastoma?

- (A) Unicystic
- (B) Multicystic
- (C) Peripheral
- (D) All of the above

31. What is the treatment for Mandibular Angle Fracture?

- (A) Open reduction and internal fixation (ORIF)
- (B) Closed reduction with wiring
- (C) Conservative management
- (D) No treatment required

32. Costochondral graft to a child aged 8 years after treatment: why does the mouth deviate to the unoperated site while opening?

- (A) Unilateral condylar growth
- (B) Malposition of the graft
- (C) Neuromuscular imbalance
- (D) Abnormal growth of the temporomandibular joint

33. What is Stellate granuloma?

- (A) A type of benign skin tumor
- (B) A granulomatous lesion in the oral cavity
- (C) A form of infectious granuloma
- (D) A non-neoplastic lesion affecting the bones

34. What is the role of retention after orthodontic movement?

- (A) To maintain tooth position after active treatment
- (B) To prevent relapse of tooth movement
- (C) To improve facial aesthetics
- (D) To reduce pain after treatment

35. What is the stochastic effect of radiographs?

- (A) Cancer and genetic mutations due to radiation exposure
- (B) Immediate tissue damage from radiation
- (C) Loss of tooth enamel due to repeated exposure
- (D) Long-term bone density loss

36. Ductility test is not relevant for?

- (A) Metals
- (B) Polymers

- (C) Glasses
 - (D) Ceramics
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37. There was a question related to Dentigerous cyst. What is it?

- (A) A cyst associated with the crown of an unerupted tooth
 - (B) A cyst that occurs in the alveolar bone
 - (C) A cyst caused by impacted wisdom teeth
 - (D) A cyst in the soft tissue surrounding the tooth
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38. What is the tooth shedding sequence in primary teeth?

- (A) Incisors, molars, canines
 - (B) Molars, incisors, canines
 - (C) Canines, incisors, molars
 - (D) Molars, canines, incisors
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39. What is the HIV prophylaxis?

- (A) Antiretroviral therapy (ART)
 - (B) Zidovudine
 - (C) Post-exposure prophylaxis (PEP)
 - (D) Combination of antiretroviral drugs
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40. Which drug is used to relax muscles in maxillofacial surgery?

- (A) Midazolam
 - (B) Propofol
 - (C) Succinylcholine
 - (D) Ketamine
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41. There was a question related to Shrugging off the Shoulder in Neck Surgery. What is it related to?

- (A) Accessory nerve damage
 - (B) Spinal cord injury
 - (C) Shoulder dislocation
 - (D) Thoracic outlet syndrome
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42. What are nosocomial infections in a hospital setting?

- (1) Infections acquired from hospital staff
 - (2) Infections acquired during hospital stay
 - (3) Infections acquired from visitors
 - (4) Infections acquired during surgery only
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43. Which type of implant has the root piece intact?

- (A) Endosteal implant
 - (B) Subperiosteal implant
 - (C) Transosteal implant
 - (D) Root-form implant
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44. What is the recommended area for biopsy from ulcers?

- (A) The margin of the ulcer
 - (B) The center of the ulcer
 - (C) The surrounding normal tissue
 - (D) The deepest part of the ulcer
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45. Which drug is used for asthma during extraction?

- (A) Albuterol
 - (B) Adrenaline
 - (C) Atropine
 - (D) Hydrocortisone
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46. What is the most ethical way to study bone growth?

- (A) Animal experiments
 - (B) In vitro studies
 - (C) Human clinical studies
 - (D) Radiographic analysis
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47. Which tumor shows resistance to radiation?

- (A) Osteosarcoma
- (B) Glioblastoma
- (C) Squamous cell carcinoma
- (D) Melanoma

48. What is the prenatal period in the human embryological period?

- (A) First 2 weeks
- (B) 3rd to 8th week
- (C) 9th week to birth
- (D) 5th month to birth

49. What is the best fluoride-releasing agent?

- (A) Sodium fluoride
 - (B) Stannous fluoride
 - (C) Calcium fluoride
 - (D) Silver diamine fluoride
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