

# NEET MDS 2025 Question Paper with Solutions

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| <b>Time Allowed :</b> 3 Hours 20 Minutes | <b>Maximum Marks :</b> 800 | <b>Total Questions :</b> 240 |
|------------------------------------------|----------------------------|------------------------------|

## General Instructions

1. The **NEET MDS 2025** examination is conducted in **Computer-Based Test (CBT)** mode by the **National Board of Examinations (NBE)**.
2. The duration of the examination is **3 hours**.
3. The question paper consists of **240 multiple-choice questions (MCQs)**.
4. Each question carries **4 marks**.
5. For every **incorrect answer**, **1 mark will be deducted**.
6. The medium of the question paper is **English only**.
7. Candidates must report at the test center **at least 90 minutes before** the commencement of the examination.
8. Candidates must carry the following items:
  - **NEET MDS 2025 Admit Card**
  - **Valid Photo ID Proof** (Aadhaar, Passport, PAN Card, Driving Licence, etc.)
  - **Any other documents as mentioned in the admit card instructions.**
9. Rough work must be done only on the provided rough sheets. Additional sheets will not be issued.
10. Use of **calculators, mobile phones, smart watches, or any electronic devices** is strictly prohibited.
11. Follow all instructions displayed on the computer screen and those given by the invigilator carefully.
12. Any use of **unfair means, impersonation, or malpractice** will result in **cancellation of candidature**.

1. Which cells in the lungs give rise to heart failure cells?

- (A) Macrophages
- (B) Lymphocytes
- (C) Pneumocytes
- (D) Endothelial cells

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2. Which bacterium is primarily responsible for initiating root caries?

- (A) Streptococcus mutans
- (B) Actinomyces viscosus
- (C) Staphylococcus aureus

(D) Lactobacillus acidophilus

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**3. Casal's necklace is a clinical sign associated with the deficiency of which vitamin?**

- (A) Cyanocobalamin
  - (B) Pyridoxine
  - (C) Riboflavin
  - (D) Niacin
- 

**4. Which of the following cellular organelles is chiefly responsible for packaging and sorting proteins and lipids into vesicles for transport to their final destinations within or outside the cell?**

- (A) Rough endoplasmic reticulum
  - (B) Lysosome
  - (C) Golgi apparatus
  - (D) Ribosome
- 

**5. The Galagan and Vermillion formula for determining optimal fluoride concentration in drinking water takes into account body weight and which of the following factors?**

- (A) Age
  - (B) Height
  - (C) Climatic conditions
  - (D) Gender
- 

**6. Which hepatitis virus is associated with the highest mortality rate during pregnancy?**

- (A) Hepatitis E
  - (B) Hepatitis A
  - (C) Hepatitis B
  - (D) Hepatitis C
- 

**7. A patient taking low-dose aspirin (75 mg) for angina is scheduled for endodontic treatment. What should be done regarding aspirin therapy?**

- (A) Stop 3-4 days before
  - (B) No need to stop
  - (C) Stop 1 hour before
  - (D) Stop 1 day before
-

**8. What is the recommended working force applied when using a CPITN probe?**

- (A) Less than 20 grams
  - (B) Less than 10 grams
  - (C) Less than 5 grams
  - (D) Less than 15 grams
- 

**9. Which of the following values best represents the proportion of data within 2 standard deviations in a normal distribution?**

- (A) 0.90
  - (B) 0.68
  - (C) 0.95
  - (D) 0.93
- 

**10. Which of the following materials exhibits the lowest thermal expansion at high temperatures?**

- (A) Fused silica
  - (B) Quartz
  - (C) Cristobalite
  - (D) Tridymite
- 

**11. Which of the following is considered a caries-promoting mineral?**

- (A) Selenium
  - (B) Vanadium
  - (C) Lead
  - (D) Molybdenum
- 

**12. What is the most likely causative agent of this condition (oral hairy leukoplakia)?**



- (A) Candida
- (B) Cytomegalovirus
- (C) Epstein-Barr Virus

(D) Human Papillomavirus

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**13. An 8-year-old patient has a combined mesiodistal width of 19.5 mm for the four mandibular incisors. Using the Tanaka-Johnston analysis, what is the predicted width of the unerupted mandibular canine and premolars on one side?**

- (A) 20.5 mm
  - (B) 20.25 mm
  - (C) 20.75 mm
  - (D) 20 mm
- 

**14. What is the minimum recommended distance between two dental implants placed in an edentulous ridge to ensure optimal bone health and implant success?**

- (A) 3 mm
  - (B) 2 mm
  - (C) 1.5 mm
  - (D) 1 mm
- 

**15. The "brush heap" appearance is characteristic of which of the following dental materials?**

- (A) Condensation silicone
  - (B) Alginate
  - (C) Addition silicone
  - (D) Agar
- 

**16. Von Ebner's glands are classified as which type of salivary gland?**

- (A) Mixed
  - (B) Mucous
  - (C) Serous
  - (D) Submandibular
- 

**17. Trismus is most commonly due to spasm or involvement of which muscle?**

- (A) Lateral pterygoid
  - (B) Medial pterygoid
  - (C) Masseter
  - (D) Temporalis
- 

**18. Which of the following changes will increase both glomerular filtration rate (GFR) and filtration fraction?**

- (A) Constriction of the afferent arteriole
  - (B) Constriction of the efferent arteriole
  - (C) Dilation of the afferent arteriole
  - (D) Dilation of the efferent arteriole
- 

**19. While cementing an all-ceramic bridge, the chair side assistant was accidentally exposed to hydrofluoric etchant. Which of the following should be used as an antidote?**

- (A) Sodium bicarbonate gel
  - (B) Potassium hydroxide gel
  - (C) Calcium hydroxide gel
  - (D) Calcium gluconate gel
- 

**20. Which of the following nerves is the pretrematic branch associated with the first pharyngeal (mandibular) arch?**

- (A) Facial nerve
  - (B) Recurrent laryngeal
  - (C) External laryngeal
  - (D) Chorda tympani
- 

**21. Which of the following oral potentially malignant disorders carries the highest risk of malignant transformation?**

- (A) Oral Submucous Fibrosis
  - (B) Leukoplakia
  - (C) Erythroplakia
  - (D) Lichen Planus
- 

**22. A patient presents after consuming 10 tablets of paracetamol in a suspected overdose. Which of the following is the appropriate antidote?**

- (A) Naloxone
  - (B) N-acetylcysteine
  - (C) Pralidoxime
  - (D) Nalmefene
- 

**23. A clinician is rehabilitating the lower left quadrant with a 3-unit metal-ceramic bridge and the patient exhibits a pronounced gag reflex. Which elastomeric impression material would be most appropriate to minimize discomfort?**

- (A) Addition silicone
- (B) Condensation silicone

- (C) Polyether
  - (D) Polysulfide
- 

**24. During forceps extraction, which part of the following is used as a dilating instrument?**

- (A) Alveolar socket
  - (B) Handle of the forceps
  - (C) Beak of the forceps
  - (D) Tooth
- 

**25. In which of the following clinical situations is the Vazirani-Akinosi technique most appropriately indicated?**

- (A) Extraction of multiple teeth across quadrants
  - (B) Limited mouth opening / Mouth opening is less than 4 cm
  - (C) Inadequate anesthesia with conventional inferior alveolar nerve block
  - (D) For maxillary molar extraction
- 

**26. What is the primary function of pulmonary surfactant?**

- (A) Facilitates gas exchange
  - (B) Increases surface tension in alveoli
  - (C) Prevents alveolar collapse
  - (D) Promotes mucociliary clearance
- 

**27. Cri du chat syndrome is associated with a deletion on which part of a chromosome?**

- (A) Chromosome 5q arm
  - (B) Chromosome 15p arm
  - (C) Chromosome 15q arm
  - (D) Chromosome 5p arm
- 

**28. Which of the following orthodontic appliances generates a one-couple system of force?**

- (A) Cantilever spring
  - (B) Utility arch wire
  - (C) Headgear
  - (D) Transpalatal arch
- 

**29. A dentist bonded a composite resin restoration on a maxillary anterior tooth.**

**Which of the following bonded abrasives would provide the most durable and optimal polishing outcome?**

- (A) Rubber
  - (B) Resin
  - (C) Sintered
  - (D) Vitreous
- 

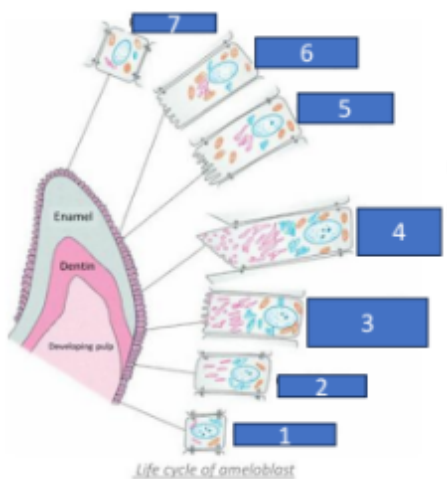
**30. The buccopharyngeal membrane is formed by the junction of which two embryonic layers?**

- (A) Foregut ectoderm and oral endoderm
  - (B) Oral ectoderm and foregut endoderm
  - (C) Neural ectoderm and foregut endoderm
  - (D) Oral ectoderm and hindgut endoderm
- 

**31. Which of the following materials require a hardening solution?**

- (A) Agar
  - (B) ZOE paste
  - (C) Impression plaster
  - (D) Impression compound
- 

**32. In the provided image, which stages of amelogenesis are represented by the regions labeled as 5 and 6?**



- (A) Morphogenic
  - (B) Organizing
  - (C) Protective
  - (D) Maturation
- 

**33. Which vessel passes between the roots of the auriculotemporal nerve?**

- (A) Lingual nerve
  - (B) Inferior alveolar artery
  - (C) Maxillary vein
  - (D) Middle meningeal artery
- 

**34. In dentistry, oxidized cellulose is primarily used for which of the following purposes?**

- (A) Styptic agent
  - (B) Antibacterial agent
  - (C) Local anesthetic
  - (D) Tissue adhesive
- 

**35. A clinician observes that the addition silicone impression material is not setting properly. Upon inquiry, it is found that the assistant handled the material while wearing latex gloves. Which of the following statements is true regarding this situation?**

- (A) Hydroxyl ions which are released retard the reaction
  - (B) Sulfur released from gloves, acts as poison to platinum, slowing the reaction
  - (C) Water powder ratio is incorrect
  - (D) Alcohol is released which changes the setting time
- 

**36. A study reports different hospital admission rates for various diseases, potentially affecting the observed association. What type of bias does this represent?**

- (A) Confounding bias
  - (B) Recall bias
  - (C) Berksonian bias
  - (D) Selection bias
- 

**37. In electroforming process, to obtain an electroformed die, what is the rationale for metallizing using silver?**

- (A) Make the die abrasion resistant
  - (B) Make the die hard
  - (C) Promote conduction of electric current
  - (D) Make the die smooth
- 

**38. Which of the following is an example of discrete data?**

- (A) Hemoglobin level in blood
- (B) Age in years
- (C) Temperature in degrees Fahrenheit



(D) DMFT total score

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**39. Which of the following has the lowest modulus of elasticity?**

- (A) Co Cr
  - (B) M NiTi
  - (C) SS
  - (D) Beta titanium
- 

**40. "Tram-line" intracranial calcifications seen on imaging are characteristic of which of the following conditions?**

- (A) Treacher Collins syndrome
  - (B) Sturge-Weber syndrome
  - (C) Tuberous sclerosis
  - (D) Neurofibromatosis type 1
- 

**41. A 50 year old patient with Kennedy's Class III partially edentulous span needs a cast partial denture. What will be the nature of support for this prosthesis?**

- (A) Tooth supported
  - (B) Bilateral distal extension
  - (C) Tooth tissue supported
  - (D) Unilateral distal extension
- 

**42. A 45-year-old female is missing teeth 14-18 and 24-28. Which special impression technique will be used for this Kennedy's Class I situation?**

- (A) Mucocompressive
  - (B) Open mouth
  - (C) Close mouth
  - (D) Altered cast technique
- 

**43. A 60 year-old controlled diabetic patient visits your office for implant supported prostheses. What should be the most important governing factor determining the success of the treatment?**

- (A) Duration of diabetes
  - (B) Medication history
  - (C) Dietary habits
  - (D) Density of bone
- 

**44. Resin bonded FPD (Maryland & Virginia) are not indicated in patients with:**

- (A) Open bite
  - (B) Deep bite
  - (C) Cross bite
  - (D) Bilateral cross bite
- 

**45. Prior to cementing an all ceramic crown, the prepared tooth should be cleaned with:**

- (A) Glycerin based pumice
  - (B) Water based pumice
  - (C) Fluoridated pumice
  - (D) Non-fluoridated pumice
- 

**46. Which of the following is correct with regards to finishing and polishing of ceramic restorations:**

- (A) Apply overglaze or natural glaze before contouring and finishing
  - (B) Apply overglaze or natural glaze before contouring, finishing and polishing
  - (C) Apply overglaze or natural glaze after contouring, finishing and polishing
  - (D) Apply overglaze on natural glaze after contouring
- 

**47. While treating a patient for caries the dentist switched from air rotor to spoon excavator. This is an example of:**

- (A) Desensitisation
  - (B) Omission
  - (C) Negative reinforcement
  - (D) Positive reinforcement
- 

**48. A 30-year-old male patient received an all-ceramic crown on a maxillary anterior tooth. He returns the next day reporting that his family noticed the crown appears bluish. What is the most likely reason for this?**

- (A) Dentist did shade selection in natural sunlight
  - (B) Shade selection in fluorescent light with red-yellow intensity
  - (C) Shade selection in fluorescent light with blue-green intensity
  - (D) Shade selection done in incandescent blue-green light
- 

**49. A 5 year old child has his primary second molar missing bilaterally. Which space maintainer would be indicated in this case?**

- (A) Unilateral band and loop
- (B) Bilateral band and loop
- (C) Lingual arch
- (D) Removable acrylic space maintainer

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**50. Cusp capping is considered when the extension of the cavity preparation reaches which of the following?**

- (A) More than half of the primary groove to the central groove
  - (B) More than two-thirds or half of the primary groove to the central groove
  - (C) More than half of the secondary groove to the central groove
  - (D) Extension is limited to the marginal ridge only
- 

**51. Identify the structure marked with red in the given image:**



- (A) Enamel niche
  - (B) Enamel knot
  - (C) Enamel cord
  - (D) Enamel organ
- 

**52. Which theory of child psychology is represented by the model shown in the image?**



- (A) Psychosexual theory by Sigmund Freud
- (B) Classical conditioning by Ivan Pavlov
- (C) Cognitive theory by Jean Piaget

(D) Hierarchy of needs by Maslow

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**53. A 3-year-old child presents with jaw pain and swelling, diagnosed as an apical abscess. The child has a known severe allergy to penicillin. Which antibiotic should be preferred for treatment in this case?**

- (A) Cefuroxime
  - (B) Clindamycin
  - (C) Amoxicillin
  - (D) Erythromycin
- 

**54. A 40-year-old male presents with recurrent painful oral ulcers, ocular inflammation, and is found to be HLA-B51 positive on genetic testing. Which of the following conditions best explains this presentation?**

- (A) Sweet's syndrome
  - (B) Behçet's syndrome
  - (C) MAGIC syndrome
  - (D) Systemic lupus erythematosus
- 

**55. Which of the following is effective in restoring enamel bond strength of composite resin post-bleaching?**

- (A) Sodium ascorbate
  - (B) Citric acid
  - (C) EDTA
  - (D) Sodium bicarbonate
- 

**56. Which type of nerve fibers is primarily responsible for transmitting referred pain?**

- (A) A-delta fibers
  - (B) A-gamma fibers
  - (C) A-beta fibers
  - (D) C fibers
- 

**57. In which of the following conditions is the use of thermoplasticized obturation technique contraindicated?**

- (A) Open apex
  - (B) Presence of internal resorption
  - (C) C-shaped canal
  - (D) During backfilling procedures
-

**58. A Class II MO restoration placed on a maxillary first premolar presents with a cervical overhang. What is the most likely anatomical reason for this?**

- (A) Mesial marginal developmental groove
  - (B) Canine eminence/fossa
  - (C) Stippling
  - (D) Mesial concavity
- 

**59. Which of the following is considered a disadvantage of inlay wax?**

- (A) High thermal expansion
  - (B) Controlled flow
  - (C) Rigidity
  - (D) Specific heat
- 

**60. Which of the following represents the most recently introduced beta titanium alloy utilized in orthodontic treatment?**

- (A) TMA
  - (B) CNA
  - (C) Double Flex
  - (D) Beta III Titanium
- 

**61. The concept of specific heat in dental materials is most relevant to which of the following processes?**

- (A) Spruing
  - (B) Casting
  - (C) Annealing
  - (D) Investing
- 

**62. Which of the following features helps differentiate Crohn's disease from ulcerative colitis?**

- (A) Commonly associated with the colon
  - (B) Confined to the colon and rectum
  - (C) Superficial mucosal inflammation
  - (D) Presence of skip lesions
- 

**63. Barefoot doctors are an example of which of the following?**

- (A) Using appropriate technology
- (B) Community participation
- (C) Creating supportive environment
- (D) Developing personal skills

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**64. A male patient presented to the clinic complaining of heavy occlusal forces. On examination, wedge-shaped lesions were observed on the cervical region of the facial surfaces of the maxillary premolars. What is the most likely diagnosis?**

- (A) Abfraction
- (B) Erosion
- (C) Abrasion
- (D) GERD

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**65. Arrange the following elastomeric impression materials in decreasing order of their linear contraction:**

**CS = Condensation Silicone, PS = Polysulfide, PE = Polyether, AS = Addition Silicone**

- (A) CS > PS > PE > AS
- (B) AS > PE > PS > CS
- (C) PE > CS > AS > PS
- (D) PS > AS > PE > CS

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**66. A 9-year-old child suffered trauma leading to the avulsion of the upper left central incisor. Before reaching the dental clinic, in which of the following storage media should the tooth ideally be kept to preserve periodontal ligament vitality?**

- (A) Saliva
- (B) Saline
- (C) Milk
- (D) Tap water

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**67. What is the ideal distance between the X-ray source and the mid-sagittal plane (MSP) in radiographic imaging?**

- (A) 5 feet
- (B) 6 feet
- (C) 7 feet
- (D) 8 feet

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**68. A patient presents with tooth mobility in the mandibular posterior region. Radiographic examination reveals a mirror-like pattern of bone loss. What is the most likely diagnosis?**

- (A) Localized aggressive gingivitis
- (B) Generalized aggressive gingivitis
- (C) NOMA
- (D) ANUG (Acute Necrotizing Ulcerative Gingivitis)

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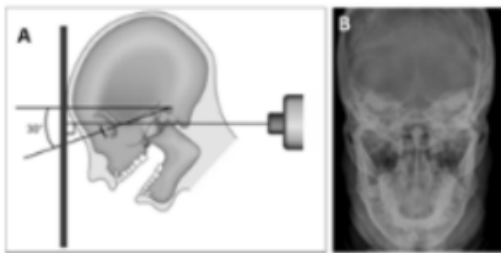
**69. A child diagnosed with both cleft lip and cleft palate presents to your clinic. To support ideal speech development, when should the cleft palate surgery ideally be performed?**

- (A) At 3 to 6 months of age
  - (B) After the age of 5 years
  - (C) Between 2 to 3 years of age
  - (D) Between 9 to 18 months of age
- 

**70. Which of the following medications is most commonly linked to the occurrence of fibrous gingival enlargement?**

- (A) Nifedipine
  - (B) Acetaminophen
  - (C) Amoxicillin
  - (D) Tranexamic acid
- 

**71. Which radiographic view is most appropriate for diagnosing a zygomatic bone fracture?**



- (A) Waters' view
  - (B) Submentovertex (SMV) view
  - (C) Lateral view
  - (D) Reverse Towne's view
- 

**72. Benign tumor of gingiva:**

- (A) Lymphoma
  - (B) SSC
  - (C) Melanoma
  - (D) Papilloma
- 

**73. Which of the following is not supplied by the Facial Nerve?**

- (A) Posterior Auricular
- (B) Nerve to Stapedius
- (C) Deep Petrosal
- (D) Chorda Tympani

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**74. A patient requires tooth extraction in an area that has previously received radiation therapy. What is the most serious complication to be concerned about in this case?**

- (A) Pathological fracture
- (B) Alveolar osteitis (dry socket)
- (C) Osteoradionecrosis
- (D) Delayed wound healing

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**75. A female patient presents with white, curd-like lesions on the buccal mucosa. A biopsy confirms the diagnosis of oral thrush. Which is the most appropriate topical antifungal treatment?**

- (A) Clotrimazole
- (B) Neomycin
- (C) Fluconazole
- (D) Griseofulvin

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**76. A patient complains of nasal congestion, discharge, and intermittent nasal bleeding for the past two months. There is also a history of spontaneous exfoliation of an upper molar tooth. What is the most likely clinical diagnosis?**

- (A) Maxillary sinus adenoma
- (B) Maxillary sinus malignancy
- (C) Chronic maxillary sinusitis
- (D) Tubercular sinusitis

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**77. A patient presents with a combination of the following signs: lower lip swelling, facial nerve palsy, and a tongue with fissures. Which syndrome is most likely?**

- (A) Pierre Robin sequence
- (B) Parry-Romberg syndrome
- (C) Melkersson-Rosenthal syndrome
- (D) Guillain-Barré syndrome

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**78. A 32-year-old female with a long-standing history of tobacco chewing since the age of 14 presents with restricted mouth opening. Clinical examination reveals no oral ulcers. What is the most probable diagnosis?**

- (A) Oral submucous fibrosis
- (B) Lichen planus
- (C) Oral thrush
- (D) Carcinoma of the buccal mucosa



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**79. A patient presents with a bird-like facial appearance, micrognathia, cleft palate, and glossoptosis. These clinical features are characteristic of which syndrome?**

- (A) Treacher Collins syndrome
- (B) Pierre Robin sequence
- (C) Parry-Romberg syndrome
- (D) Melkersson-Rosenthal syndrome

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**80. A patient fell from bed. On examination there is loss of complete vision from left eye. Which of the following structure is injured in this case?**

- (A) Optic nerve
- (B) Optic chiasma
- (C) Optic tract
- (D) Ciliary body

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**81. Kuttner tumor, which presents as a benign inflammatory enlargement of the submandibular salivary gland, is also known as:**

- (A) Sialometaplasia of the submandibular salivary gland
- (B) Adenoid cystic carcinoma of the submandibular salivary gland
- (C) Lymphoepithelioma of the submandibular salivary gland
- (D) Myoepithelioma of the submandibular salivary gland

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**82. Which radiographic view is most appropriate for evaluating a nasal bone fracture?**

- (A) Intra-nasal radiograph
- (B) Reverse Towne's view
- (C) Orthopantomogram (OPG)
- (D) True lateral view

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**83. A 23-year-old male presents with pain and swelling in the floor of the mouth, which worsens during meals. Radiographic examination shows a radiopaque mass in the submandibular salivary duct. What is the most likely diagnosis?**

- (A) Antrolithiasis
- (B) Rhinolithiasis
- (C) Sialolithiasis
- (D) Sialometaplasia

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**84. Which of the following rest eliminates the need for the placement of clasp arm buccally?**

- (A) Intracoronal rest
  - (B) Interproximal rest
  - (C) Extended occlusal rest
  - (D) Auxiliary rest
- 

**85. After hemimandibulectomy, the mandible deviates on one side. Which of the following muscles is responsible for this?**

- (A) Medial Pterygoid
  - (B) Lateral Pterygoid
  - (C) Masseter
  - (D) Temporalis
- 

**86. While preparing the rest seat for a molar, the marginal ridge is reduced by 2mm to accommodate for the width of rest and the line angles are rounded in order to**

- (A) Allow better distribution of vertical forces
  - (B) Reduce impaction of food
  - (C) Reduce chances of fracture of metal at rest
  - (D) Provide better stability to the denture
- 

**87. Following a road traffic accident, a patient suffered trauma from a dashboard impact. Clinical and radiographic investigations revealed damage to the inferior alveolar nerve at its origin. Which of the following muscles is most likely to be paralyzed?**

- (A) Geniohyoid
  - (B) Mylohyoid
  - (C) Stylohyoid
  - (D) Hyoglossus
- 

**88. Odland bodies found in the stratum spinosum are modified form of:**

- (A) Mitochondria
  - (B) Lysosomes
  - (C) Lamellar bodies
  - (D) Ribosomes
- 

**89. Which of the following is an accessory cusp commonly found on a mandibular molar?**

- (A) Cusp of Carabelli
- (B) Metacone
- (C) Parastylid

(D) Protostylid

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**90. A patient presents with signs of acute kidney injury (AKI) following ingestion of a toxic substance. Which of the following is the most likely chemical responsible for the renal damage?**

- (A) Melamine
  - (B) Methanol
  - (C) Ethyl alcohol
  - (D) Benzyl alcohol
- 

**91. A 4.5-year-old child presents to the dental clinic with a discolored primary maxillary central incisor (tooth 51). The child has a history of trauma 6 months ago and is currently asymptomatic. What is the most appropriate treatment in this case?**

- (A) Indirect Pulp Capping (IPC)
  - (B) Pulpotomy
  - (C) Extraction
  - (D) Pulpectomy
- 

**92. A patient presents with neck swelling and pain. Intraoral examination reveals yellow-grey patches on the oral mucosa. Which of the following is the most likely diagnosis?**

- (A) Measles
  - (B) Erythema multiforme
  - (C) Stevens-Johnson syndrome
  - (D) Herpetic gingivostomatitis
- 

**93. Which of the following treatment modalities addresses the underlying cause of a malocclusion?**

- (A) Supracrestal fibrotomy
  - (B) Craniotomy
  - (C) Frenectomy
  - (D) Corticotomy
- 

**94. A patient with a radiographically confirmed chronic oroantral fistula presents with nasal pus discharge. What would be the most appropriate treatment option?**

- (A) Administer antibiotics, excise the epithelial lining, and close the defect using a local flap
- (B) Use an acrylic plate with antibiotics and monitor for spontaneous healing
- (C) Apply titanium mesh with a buccal flap and buccal fat pad for closure

(D) Perform pus culture, sinus lavage, start empirical antibiotics, and allow spontaneous closure

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**95. A patient presents with an infected mandibular angle fracture. Which of the following bacteria is most commonly associated with infection in such cases?**

- (A) Streptococcus pyogenes
  - (B) Staphylococcus aureus
  - (C) Pseudomonas aeruginosa
  - (D) Streptococcus mutans
- 

**96. Which of the following statements about the use of CPAP (Continuous Positive Airway Pressure) in Obstructive Sleep Apnea (OSA) is correct?**

- (A) CPAP increases throat air pressure during sleep
  - (B) CPAP prevents airway collapse only when used with an oral appliance
  - (C) CPAP is primarily used for OSA cases requiring invasive treatment
  - (D) CPAP is not effective in severe cases of OSA
- 

**97. Identify the X-ray view shown in the image below, characterized by a 30° angulation and projection used primarily for visualizing fractures of the mandibular condyle and ramus.**

- (A) Waters view
  - (B) Reverse Towne view
  - (C) Submentovertex (SMV) view
  - (D) Anteroposterior (AP) view
- 

**98. A 55-year-old male presents with pain and swelling in the lower jaw. On clinical examination, tenderness is noted over the left angle and body of the mandible, along with mild bucco-lingual cortical expansion. An orthopantomogram (OPG) reveals the radiographic findings shown. What is the most likely diagnosis?**



- (A) Ossifying fibroma
- (B) Ameloblastoma
- (C) Osteoblastoma
- (D) Odontogenic keratocyst

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**99. Which of the following parameters measures the percentage of incisor visibility relative to the clinical crown height?**

- (A) Smile Index
- (B) Smile Arc
- (C) Bolton's Ratio
- (D) Morley's Ratio

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**100. In the Proffit and Ackerman classification of malocclusion, circles labeled 3, 4, and 5 correspond to which planes of space?**

- (A) Transverse, sagittal, vertical
  - (B) Sagittal, transverse, vertical
  - (C) Vertical, sagittal, transverse
  - (D) Vertical, transverse, sagittal
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