

**WRITTEN TEST FOR SELECTION TO THE POST OF
DENTAL SURGEON
QUESTION-CUM-ANSWER BOOKLET**

Maximum Marks: 100

Total Time: 90 minutes

INSTRUCTIONS

1. This test consists of 100 multiple choice questions. Each question carries one mark.
2. Before you start answering, check whether your Question Booklet is in order and contains **16** pages.
3. Write your Roll Number in the space provided at the bottom of this page.
4. YOU MUST PUT A SMALL CIRCLE AROUND THE LETTER INDICATING THE CORRECT ANSWER FOR EACH OBJECTIVE TYPE QUESTION.

(eg. a. b. c. d.)

5. Use blue/black ball point pen only for answering.
6. Pen mark (answers) once made is final. No correction in choice of answers is allowed.
7. Question-cum-Answer Booklet issued will not be replaced unless there are defects in printing.
8. Rough work, if any, may be done in page 2 only.
9. Use of mobile phone, books or any other paper/material will not be permitted.
10. Put your signature in the space provided below, in the presence of the invigilator.
11. Hand over the Admit Card to the invigilator.
12. You are not permitted to leave the examination hall, till the completion of the test.
13. Hand over the used Question-cum-Answer Booklet to the invigilator before leaving the examination hall.
14. Follow the instruction of the invigilators in all matters inside the examination hall.

Roll Number

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Signature of Invigilator

Signature of Candidate

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Rough Work

18. Degassing of gold foil is accomplished by _____
- a. Heating on mica tray over flame
 - b. An electric annealer
 - c. Heating over pure ethanol flame
 - d. All of the above**
19. Enamel etched by a tooth conditioner but not covered with a fissure sealant will _____
- a. Remineralize within a month
 - b. Remineralize within 3 months**
 - c. Absorb stain and discolor the tooth
 - d. Leave the tooth more susceptible to caries attack
20. Which of the following is correct _____
- a. Type I and Type II gold can be heat treated and annealed
 - b. Type III and Type IV gold can be heat treated and annealed**
 - c. Type I and IV gold can be heat treated and annealed
 - d. All the type of gold can be heat treated and annealed
21. Which of the following is common to both zinc eugenol cement and polycarboxylate cement?
- a. Polyacrylic acid is liquid
 - b. Chemical bond to tooth structure
 - c. Chelation**
 - d. Substitution of eugenol by EBA to increase strength of cement
22. The addition of which of the following can accelerate the setting time of zinc oxide cement _____
- a. Zinc acetate**
 - b. Barium sulphate
 - c. Zinc sulphate
 - d. Barium chloride
23. Which of the following is present in the powder of the acrylic resin _____
- a. Methyl methacrylate**
 - b. Benzoyl peroxide
 - c. Hydroquinone
 - d. D-methyl paratoluidine

24. The mucosa of the hard palate is _____
- a. **keratinised and has submucosa and minor salivary glands posterolaterally.**
 - b. non-keratinised and has submucosa and minor salivary glands posteromedially.
 - c. keratinised and lacks submucosa and minor salivary glands.
 - d. non-keratinised and lacks submucosa and minor salivary glands.
25. A successful infraorbital nerve block will produce anaesthesia of the _____
- a. maxillary anterior teeth.
 - b. maxillary anterior teeth and their labial gingivae.
 - c. **maxillary anterior teeth, their labial gingivae and the upper lip**
 - d. maxillary anterior teeth, their labial gingivae, the upper lip and anterior hard palate.
26. In a patient with a normal healthy mouth, you would expect the mucosa covering the alveolar process supporting the mandibular teeth to be _____
- a. light pink in colour on both sides of the mucogingival junction
 - b. light pink below the mucogingival junction and red above it
 - c. **red below the mucogingival junction and light pink above it**
 - d. red on both sides of the mucogingival junction.
26. Which of the following cannot be used to block undercuts intraorally?
- a. Addition silicon
 - b. **Plaster of Paris**
 - c. Irreversible hydrocolloid
 - d. Temporary restorative material
27. Inability of a material to sustain plastic deformation before the fracture occur:
- a. Toughness
 - b. Hardness
 - c. **Brittleness**
 - d. Critical Stress
28. All are processing waxes EXCEPT:
- a. Boxing wax
 - b. Sticky wax
 - c. **Casting wax**
 - d. Utility wax
29. Drug of choice for a healthy adult undergoing extraction for molar with widened PDL?
- a. Tetracycline
 - b. **Amoxicillin**
 - c. Cefixime
 - d. Levofloxacin

30. 5 year old child, managed 2 months for mandibular fracture, how to detect bony healing and union of bone?
- a. OPG every 2 month for 1 year
 - b. Single contrast CT every 2 month
 - c. Single non contrast CT every 2 month
 - d. Clinical examination sufficient**
31. Most vascular and innervated part of TMJ is:
- a. Retrodiscal tissue**
 - b. TMJ ligament
 - c. Articular disc
 - d. Fibrocartilagenous covering of the articular surface
32. 5 year old child has deep caries in multiple teeth with no pain. Treatment will be:
- a. IPC of teeth**
 - b. Pulpotomy of all teeth
 - c. Pulpectomy of all teeth
 - d. Extraction of all teeth
33. A 70 year old patient is diabetic, non smoker, comes with complaint of missing upper and lower posteriors for 4 months and wants replacement of his lost teeth. On examination, white patch is seen on maxillary ridge. What will be treatment?
- a. Immediate biopsy to rule out premalignant lesion**
 - b. Wait and watch for 2 weeks
 - c. Apply Triamcinolone ointment for 2 weeks
 - d. Prepare denture to improve nutritional status
34. All of the following syndrome is associated with cleft lip and palate EXCEPT:
- a. Van der Woude Syndrome
 - b. Popliteal pterygium syndrome
 - c. Pierre Robin Sequence
 - d. Gardner syndrome**
35. Crestal bone loss seen around the implant after first year?
- a. 1-2 mm
 - b. 1.5-2 mm
 - c. ≤ 0.1 mm**
 - d. 0.5-1 mm
36. Contents of supragingival calculus are:
- a. Calcium carbonate
 - b. Calcium phosphate**
 - c. Magnesium carbonate
 - d. Magnesium phosphate

37. Which of the following can be precisely located on a lateral cephalogram?
a. **Nasion** b. Point A c. Condylon d. Gonion
38. Gene associated with cleft palate in ectodermal dysplasia?
a. p73 b. CJB6 c. ED1 **d. PVRL 1**
39. Which is true about implants in posterior region of maxilla?
a. Diameter of 5 mm
b. Length of implant 10 mm
c. 3 mm away from adjacent implant
d. Equal to diameter of the natural tooth to be replaced at the CEJ
40. Which of the following is not found in Acute necrotizing ulcerative gingivitis?
a. Pocket formation b. Tooth loss
c. Bone loss d. Gingival recession
41. Bioactive glass is made up of all EXCEPT:
a. Salts of sodium and calcium b. Silicon dioxide
c. Hydroxyapatite d. Phosphates
42. Cleidocranial dysplasia is characterized by all EXCEPT:
a. Mutation in alpha one gene
b. Large frontal sinus
c. Large anterior fontanelle and open sutures
d. High arch palate with prolonged retention of deciduous teeth
43. Which of the following is not a risk factor for malignant transformation of premalignant disorder of oral cavity?
a. Male b. Invasive Candida albicans
c. Leukoplakia in non smoker d. DNA aneuploidy
44. Which of the following is given in blood loss during maxillofacial surgery?
a. Tranexamic acid b. Heparin
c. Lactic acid d. Aceto-acetic acid

45. Which has maximum malignant potential?
- a. Speckled leukoplakia
 - b. Proliferative verrucous leukoplakia**
 - c. Lichen planus
 - d. Leukoplakia
46. Which of these has tetracycline form?
- a. Actisite**
 - b. Periochip
 - c. Atridox
 - d. Arrestin
47. Carotid artery bifurcates at:
- a. 2nd tracheal ring
 - b. Thyroid cartilage**
 - c. Trachea
 - d. Epiglottis
48. Which has highest malignant potential?
- a. HPV 8
 - b. HPV 18
 - c. HPV 16**
 - d. HSV 1 and 3
49. Tooth moves inwards due to fluid movement in PDL on application of intrusive forces. This theory is given by:
- a. Farrar
 - b. Schwartz
 - c. Bien**
 - d. Schnider
50. Oral lichenoid reaction differs from oral lichen planus in terms of:
- a. Wickham striae
 - b. Diffuse infiltration of deep layer by inflammatory cells**
 - c. Cellular infiltrate consisting of lymphocyte
 - d. Liquefaction degeneration of basal layer
51. Ugly duckling stage is characterized by
- a. Increase overjet & deep overbite
 - b. Distoangular axial inclination of both maxillary central and lateral incisors, with median diastema**
 - c. Transposition of maxillary & lateral incisors
 - d. Retroclination of maxillary central & proclination of lateral incisor
52. While charting the dentition of a child, the pedodontist finds that the following teeth are present in all the four quadrants; permanent central incisor, permanent lateral incisor, deciduous cuspid, deciduous first molar, deciduous 2nd molar and permanent 1st molar. The eruptive pattern may be considered most nearly normal for a child aged _____?
- a. 3-6 years
 - b. 7-10 years**
 - c. 11-14 years
 - d. 15-18 years

53. Equilibrium in infants begin for walking by:
- a. 6 months b. 2 months c. 4 months **d. 12 months**
54. Additional equilibrium responses develop during:
- a. 2nd year** b. 4th year c. 6th year d. 1st year
55. In infants movement of hands and feet is dominated by:
- a. Primitive grasp reflex** b. Firm grasp
- c. None of the above d. All of the above
56. Palmar grasp develops in which age:
- a. 4 months b. 2 months **c. 7 months** d. 9 months
57. Voluntary release in infants develops at:
- a. 5 months **b. 15 months** c. 6 months d. 7 months
58. Skills develop in which direction:
- a. Cephalic to caudal** b. Caudal to cephalic
- c. Caudal d. None of the above
59. Genetic theory of growth was given by:
- a. Brodie** b. Scott c. Sicher d. Moss
60. Sutural dominance theory was given by:
- a. Scott **b. Sicher** c. Moss d. Brodie
61. At birth which of the following structures is nearest the size it will eventually attain in adulthood?
- a. Cranium** b. Mandible
- c. Middle face d. Nasal capsule
62. Epigenetic factors controlling the growth of skeleton are:
- a. Genetic factors present within skeleton
- b. Genetic factors present outside skeleton**
- c. Local genetic factors
- d. General non-genetic factors

63. Meckels cartilage give rise to:
- a. Condylar process
 - b. Coronoid process
 - c. Rest of ramus
 - d. None of the above**
64. Which of the following shows 200% growth the adult size from 9 to 10 years?
- a. Neural
 - b. General
 - c. Lymphoid**
 - d. Muscle
65. Pain of acute pulpitis is severe because?
- a. Pulp is bounded by rigid dentine**
 - b. Pulp has only free nerve ending
 - c. Pulp is a very vascular tissue
 - d. Pulp is richly innervated
66. Blinding can be done to eliminate which type of bias
- a. Berkensonian
 - b. Recall
 - c. Confounding
 - d. Interviewers**
67. The prevention of emergence or development of risk factors in countries where they have not appeared is what type of prevention
- a. Primary
 - b. Secondary
 - c. Tertiary
 - d. Primordial**
68. Screen films differ from non- screen films by that?
- a. They are more sensitive to light than X-rays**
 - b. They are more sensitive to x-ray than light
 - c. They are usually used in intra oral radiography
 - d. They do not need intensifying screens
69. The first dental college in India was started in 1926 at
- a. Delhi
 - b. Calcutta**
 - c. Bombay
 - d. Chennai
70. When a disease spreads from one country to another in a short it is called
- a. Endemic
 - b. Pandemic**
 - c. Epidemic
 - d. Sporadic
71. Inventor of orthopantomographic machine is ?
- a. Hounsfield
 - b. Roentgen
 - c. Kill
 - d. Nowata**

72. The period of infancy usually refers to
- a. First 2 years after birth
 - b. First 1 Year after birth**
 - c. First 6 months after birth
 - d. First 3 years after birth
73. The preferred gingival finish line for veneer metal restoration is
- a. Shoulder
 - b. Chamfer**
 - c. Shoulder with bevel
 - d. Radial shoulder
74. A suspected condylar neck fracture can be best visualized radiographically by
- a. Water's projection
 - b. Reverse Towne's projection**
 - c. Submentovertex projection
 - d. Lateral cephalometric projection
75. Functional Impression technique can be applied in
- a. Uniformly firm ridge consistency**
 - b. All variety of residual ridges
 - c. Knife edge ridge
 - d. Displaceable alveolar ridge
76. A rigid reciprocal arm of a clasp may also act as
- a. Direct retainer
 - b. An auxiliary indirect retainer**
 - c. Major connector
 - d. Minor connector
77. Complete denture patients have a preference for which region when the consistency of food is tough
- a. 2nd molar region
 - b. Pre molar region**
 - c. 1st molar region
 - d. Pre molar and molar region
78. What is the function of the lead foil in the film packet?
- a. Moisture protection
 - b. To give the rigidity
 - c. Absorb the backscatter radiation**
 - d. Protection against fluorescence
79. Guiding plane in RPD should be located be
- a. In between edentulous space
 - b. Abutment surface adjacent to an edentulous area**
 - c. Edentulous area
 - d. Abutment area

80. Bone loss following extraction is
- a. Less for first 6 months
 - b. Less for first 1 months
 - c. More for first 6 months**
 - d. Process uniformly for first year
81. How is a two year old child placed for examination in the dental office?
- a. On dental assistant's lap
 - b. On mother's lap**
 - c. On the dental chair separated from the parents
 - d. On the dentist's lap itself
82. Lap to lap position is the recommended position for performing oral hygiene procedures in:
- a. 0-1 year old
 - b. 1-3 years old**
 - c. 3-6 years old
 - d. 6-12 years old
83. Information of a tooth to be extracted in a child of six to eight years old is:
- a. Given to child in preceding appointment after planning extraction**
 - b. Never given to a child as it may hurt him
 - c. Given to child immediately before the procedure
 - d. Not relevant
84. To minimize gagging and overcome fear in a child while taking an impression, it is recommended:
- a. Rinse the child's mouth with anesthetic mouthwash
 - b. Secure mandibular impressions first**
 - c. Secure maxillary impressions first
 - d. None of the above
85. Toys can be used in the management of a child in a dental clinic as:
- a. a bribe
 - b. a gift
 - c. appreciation of good behaviour**
 - d. reward

86. A child's mother can be allowed to remain in the operatory room of the dental clinic for which of the following children?
- a. A child with temper tantrums
 - b. An apprehensive but cooperative child of 2 years**
 - c. A child of 7 years with unknown fears
 - d. All of the above
87. Who among the following classified habits as 'empty and meaningful'?
- a. James 1923
 - b. Kingsley 1958
 - c. Klein 1972**
 - d. Finn 1987
88. The most difficult form of child abuse to identify and treat is:
- a. Sexual abuse
 - b. Physical abuse
 - c. Emotional abuse
 - d. Munchausen syndrome by proxy**
89. The concept of 'DENTAL HOME' was introduced by:
- a. Arthur Nowak**
 - b. Evangeline Jordan
 - c. Paul Casayassimo
 - d. George White
90. The term 'anesthesia by copper' was used to:
- a. Indicate extraction where copper was used as LA
 - b. Indicate the extraction done by Dr. Copper
 - c. Indicate the incentive of a penny for good behaviour**
 - d. Indicate surgical instrument made of copper
91. When a dentist says, "I cannot fix your teeth if you do not open your mouth wide", he is employing the technique of:
- a. Problem ownership**
 - b. Voice control
 - c. Tolerance
 - d. Flexibility
92. Wright's clinical classification of children's cooperative behaviour has categories:
- a. 5
 - b. 4
 - c. 3**
 - d. 2
93. Which of the following anesthetic agent is frequently used for conscious sedation?
- a. Nitrous oxide and oxygen**
 - b. Chloral hydrate
 - c. Diazepam
 - d. Ether

94. A two way process of exchanging or shaping ideas, feelings and information is called:
- a. Education
 - b. Communication**
 - c. Interview
 - d. Suggestion
95. Id, ego and Superego are part of:
- a. Piaget's theory
 - b. Freud's psychoanalytical theory**
 - c. Stone and Churchill's theory
 - d. Erickson's theory
96. Sensorimotor stage of cognitive development is characterized by:
- a. Egocentricism
 - b. Symbolic play**
 - c. Animism
 - d. Conservation
97. Which of the following is false about conscious sedation?
- a. Patient retains ability to maintain a patent airway
 - b. Responds appropriately to physical stimulation
 - c. Responds appropriately to verbal commands
 - d. None of the above**
98. Learning disability is otherwise called:
- a. Infantile psychosis
 - b. Minimal brain dysfunction**
 - c. Childhood Schizophrenia
 - d. Attention deficit disorder
99. Which of the following is commonly used for immobilization of the head in a non compliant patient?
- a. Papoose Board
 - b. Pedi-wrap
 - c. Forearm-Body Support**
 - d. All of the above
100. Universally used method of behaviour management in paediatric dentistry for both cooperative and uncooperative children is:
- a. Voice control
 - b. Behaviour shaping
 - c. Implosion therapy
 - d. Communication**

