



**VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM**  
**(Deemed to be University under section 3 of the UGC Act 1956)**

**Dentistry (Pedodontics and Preventive Dentistry)**

**Instructions / Note:**

1. Answer all the questions. Each question carries one mark.
2. No negative marks for wrong answers.
3. Read each question carefully and answer in the OMR sheet provided for each question with only blue/ black pen to fill the circles in the OMR Sheet.
4. Return the question paper along with the OMR sheet.

Time: 90 Minutes

Venue: \_\_\_\_\_.

[35X1=35]

**Part-B**

1. The period of development during which school readiness skills are developed and most free time is spent playing with friends is called as
  - A. Middle Childhood
  - B. Infancy
  - C. Late childhood
  - D. Early Childhood
2. Meckel's Cartilage disappears By
  - A. 24 Weeks of IUL
  - B. 12 Weeks of IUL
  - C. 16 Weeks of IUL
  - D. 2 Months
3. The term used for describing a child's one-word utterances is
  - A. Holophrases
  - B. Telegraphic speech
  - C. Under extensions
  - D. Phrenology
4. Tooth affected with Dentinogenesis Imperfecta are generally of which shape.
  - A. Tulip
  - B. Conical
  - C. Shell
  - D. Ovoid



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5. The minimal number of lobes from which any tooth may develop is
  - A. 2 lobes
  - B. 3 lobes
  - C. 4 lobes
  - D. 5 lobes
6. The cause of development of lateral canal is.
  - A. Cracks in Hertwings epithelial root sheath
  - B. Stellate reticulum cells
  - C. Dental lamina
  - D. Vascular pressure
7. According to Vygotsky, Cognitive development depends on
  - A. Mental maturity
  - B. Physical maturity
  - C. Genetics
  - D. Social interaction
8. Prenatal period in human is.
  - A. 25 Weeks of IUL
  - B. 40 Weeks of IUL
  - C. 50 Weeks of IUL
  - D. 35 Weeks of IUL
9. First fluoride dentifrices (CREST) is
  - A. SnF
  - B. NaF
  - C. Acidulated phosphate fluoride
  - D. Sodium mono fluorophosphates
10. Gel KAM is.
  - A. 0.4 % NaF
  - B. 4 % APF
  - C. 0.4 % Stannous Fluoride
  - D. 0.6 % NaF
11. Separation anxiety is a common phenomenon in which of the following age groups.
  - A. 8-12 yrs
  - B. 1-3 yrs
  - C. 5-8 yrs
  - D. 4-8 yrs



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12. The concept of Dental home is derived from
  - A. HOME-Evangeline Jordan
  - B. Medical home by American academy of paediatrics
  - C. Ancient Philosophy of dental care
  - D. Preventive measures taken at Home
13. Lethal dose of Fluoride for a typical 3-year-old child is approx
  - A. 100 mg
  - B. 200 mg
  - C. 350 mg
  - D. 500 mg
14. The position of tongue in infantile swallow is
  - A. Posterior
  - B. Medial
  - C. Lateral
  - D. Anterior
15. Desmodont is another name for
  - A. Tooth with one wall socket
  - B. Dehiscence
  - C. Periodontal ligament
  - D. Tooth with 3- wall sockets
16. Perikymata are the external surface manifestation of
  - A. Enamel rods
  - B. Incremental lines of Retzius
  - C. Nysmyth's membrane
  - D. Pellicle
17. The Psychosocial task during one's high school years is to achieve a sense of?
  - A. Autonomy
  - B. Identity
  - C. Industry
  - D. Despair
18. Abnormal function of Epithelial Chloride Channel protein is the cause of
  - A. Ehlers-Danlos syndrome
  - B. Marfan's syndrome
  - C. Cystic Fibrosis
  - D. Chemical solution
19. Gutta Percha can effectively be sterilized by
  - A. Dry heat



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- B. Autoclave
  - C. Hot salt sterilized
  - D. Chemical solution
20. The active ingredient of tooth mousse is
- A. Xylitol
  - B. Calcium
  - C. Casein
  - D. Chlorohexidine
21. The shape of the shank of the instrument is described by
- A. Class
  - B. Subclass
  - C. Suborder
  - D. Order
22. length of Junctional Epithelium is
- A. 0.25-1.35 mm
  - B. 0.5-0.75 mm
  - C. 1.0-2.0 mm
  - D. 1.0-1.5 mm
23. Multiple odontogenic cysts are seen in
- A. Cherubism
  - B. Apert's syndrome
  - C. Marfan's syndrome
  - D. Downs syndrome
24. Most common complications of Mumps
- A. Myocarditis
  - B. Orchitis
  - C. Uveitis
  - D. Conjunctivitis
25. Sicca complex is associated with
- A. Primary Sjogren's syndrome
  - B. Secondary Sjogren's syndrome
  - C. Peutz-Jeghers syndrome
  - D. Plummer-Vinson Syndrome
26. Y –axis is used to analyse
- A. Maxillary growth
  - B. Mandibular growth
  - C. TMJ growth
  - D. To design an appliance



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27. The best space maintainer for the early loss of primary Incisor is
- A. Band and loop
  - B. Nance palatal
  - C. Trans Palatal Arch
  - D. Pin and tube
28. A mandibular lingual holding arch loops mesial to each molar band is used in children
- A. Correction of malocclusion
  - B. Regaining space
  - C. Space maintainers only
  - D. Correction of distally tilted molar
29. Flumazenil can reverse the action of
- A. Fentanyl
  - B. Propofol
  - C. Ketamine
  - D. Midazolam
30. Lentulo spiral used for
- A. Location of canal orifice
  - B. Pulp extirpation
  - C. Enlarging coronal third of root canal
  - D. Application of root canal sealers
31. length of Peso Reamer is
- A. 28-32 mm
  - B. 30-35 mm
  - C. 35-40 mm
  - D. 40-45 mm
32. The Fluoride Bomb is related to
- A. High fluoride capsule with high ppm of Fluoride
  - B. Hypoplastic lesion on tooth seen in Fluoride area
  - C. Undiagnosed hidden caries
  - D. Procedure to treat Rampant caries
33. Acid etching is done to
- A. Decrease Microleakage
  - B. Decrease polymerization shrinkage
  - C. Decrease coefficient of Thermal expansion
  - D. Decrease porosity of Restorative material



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34. Iron content in 3 M Nickel-based SSC is
- A. 20%
  - B. 40%
  - C. 60%
  - D. 10%
35. Toilet of the cavity is removal of debris by
- A. Washing with water
  - B. Removal of debris in cold air spray
  - C. Removal of debris in hot air spray
  - D. Washing the cavity with medicament



**Dentistry (Prosthodontics)**

**Part-B**

[35X1=35]

1. Extra retention in abutment in an FPD is obtained by
- A. Adove tail preparation
  - B. slots & grooves
  - C. Outline form
  - D. increasing tooth reduction
2. Squint test is used in complete denture prosthodontics for
- A. orientation relation
  - B. Finding out parallelism of ridges
  - C. marking canine lines
  - D. Selecting proper shade of teeth
3. Gas entrapment within the mold leads to which type of porosity in casting?
- A. Pinhole porosity
  - B. Microporosity
  - C. Suck back porosity
  - D. Back pressure porosity



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4. Most commonly used material for dental implant is
  - A. Ti6Al4V
  - B. Cp titanium
  - C. Zirconia
  - D. Polymers
  
5. Ante's law is used for selection of:
  - A. Pontic
  - B. Retainer
  - C. Rest
  - D. Abutment
  
6. The distance between implant and adjustment tooth should be at least
  - A. 7 mm
  - B. 3.5 mm
  - C. 1.5 mm
  - D. 3.75 mm
  
7. The abutment for a proximal half-crown has:
  - A. An intact distal surface
  - B. An intact buccal surface
  - C. An intact lingual surface
  - D. An intact mesial surface
  
8. The ideal occlusal clearance for a complete cast crown is:
  - A. 0.5 m
  - B. 1.5 mm
  - C. 2 m
  - D. 2.5 mm
  
9. Porcelain bonded to metal is strongest when:
  - A. Air fired
  - B. Tempered after firing
  - C. Fired under compression
  - D. Fired several times before completion
  
10. Sigma implant is
  - A. Zirconia dental implant
  - B. Subperiosteal implant
  - C. Stainless steel alloy implant
  - D. Titanium alloy implant.



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11. stress breaker is not indicated in which kennedy's classification
  - A. Class 1
  - B. Class 2
  - C. Class 4
  - D. Class 6
12. The average root surface area (mm<sup>2</sup>) of the maxillary 2nd premolar is
  - A. 234
  - B. 220
  - C. 273
  - D. 204
13. Nesbit prosthesis is
  - A. Unilateral rpd
  - B. Silicone based nasal prosthesis
  - C. Guidance device for hemimandibulectomy
  - D. Ear prosthesis patient
14. Which of the following is a mucostatic impression material?
  - A. Plaster of Paris
  - B. Impression compound
  - C. Wax
  - D. Zinc oxide eugenol.
15. In a Balanced Occlusion, if the Incisal guidance is increased, then there is
  - A. Increased condylar guidance
  - B. Increased curve of Spee
  - C. Increased plane of orientation
  - D. Cuspal height is decreased
16. Occlusal forces generated by the natural dentition is in the order of
  - A. 50 pounds
  - B. 150 pounds
  - C. 25 pounds
  - D. 100 pounds
17. The degree of freedom of rotation of an RPD is
  - A. 4 - 5 deg
  - B. 1 - 3 ^ 0
  - C. 8-10°(MAHE 09)
  - D. 6 - 8 deg



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18. In Woods classification Order IV corresponds to
- A. High well rounded
  - B. Depressed
  - C. Knife edged ridge
  - D. Low well rounded
19. Material of choice for single step border moulding is
- A. polyether
  - B. low viscosity silicone
  - C. low fusing green stick compound
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20. A patient reported with periodontally compromised canine on one side, occlusal scheme best to be followed is
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  - D. Canine guided
21. Path of insertion and removal of an RPD is determined by guide planes and
- A. minor connector
  - B. occlusal rest
  - C. major connector
  - D. clasp
22. As brightness becomes more intense, colour appears to change. The effect is called as
- A. Metamerism
  - B. Bezold brucke effect
  - C. Tyndal effect
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23. Gingival retraction with mechano-chemical method provides
- A. displacing the gingival tissues laterally away from the tooth
  - B. displacing the gingival tissues apically
  - C. removing the tissues on the inside of the sulcus
  - D. chemically shrinking the gingival tissues
24. Setting of plaster of Paris is a result of
- A. Solubility difference between hemihydrate and dihydrate
  - B. Interaction between hemihydrate and water
  - C. Loss of water from hemihydrate
  - D. Indirect interaction between hemihydrate and dihydrate



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25. Die of which impression material can be electroplated
- A. Polysulfide
  - B. Polyether
  - C. Addition silicon
  - D. Agar agar
26. Which of the following is the correct order of value in a shade guide (from lightest to darkest)?
- A. B<sub>1</sub>, B<sub>2</sub>, A<sub>1</sub>, C<sub>1</sub>, C<sub>2</sub>
  - B. B<sub>1</sub>, A<sub>1</sub>, B<sub>2</sub>, C<sub>1</sub>, C<sub>2</sub>
  - C. A<sub>1</sub>, B<sub>1</sub>, B<sub>2</sub>, C<sub>1</sub>, C<sub>2</sub>
  - D. A<sub>1</sub>, B<sub>1</sub>, C<sub>1</sub>, C<sub>2</sub>, B<sub>2</sub>
27. Occlusal rest is in the outline form of
- A. Acute triangle
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  - C. Rectangle
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28. Final product in alginate is
- A. Sodium alginate
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29. Material causing minimum tissue distortion
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  - B. Polysulphide
  - C. Impression plaster
  - D. Silicone
30. The angle between occlusal rest and the vertical minor connector from which it originates is:
- A. 90 degrees
  - B. 100 degrees
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31. Half and half clasp is best used on:
- A. Titled molars
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32. The junction of mandibular minor connector with major connector is:
- A. Butt type joint
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35. The most suitable margin design for porcelain jacket crown (full-porcelain crown) is
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