



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

Dentistry

Instructions:

1. Answer all the questions.
2. Read each question carefully and write the correct answer for each question chosen by you with black/blue pen in the answer sheet provided.
3. No negative marks for wrong answers.
4. Return the question paper along with the answer sheet.

Time: 90 Minutes

Marks: 70

Venue:-----

Part B

[35X1=35]

1. Sterilization cycle uses :
 - a) 121° C , 15 psi, 15 mins
 - b) 160° C , 20psi, 15 mins
 - c) 170° C, 25 psi, 10 mins
 - d) 180° C, 15 psi, 15 mins
2. Lowest concentration of HIV is found in :
 - a) Semen
 - b) Saliva
 - c) Blood
 - d) CSF
3. Main disadvantage of opioid analgesic
 - a) Dry cough
 - b) Diarrhea
 - c) Mydriasis
 - d) Urinary retention



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4. RAS gene is inhibited by
 - a) Cyclic GMP
 - b) Adenosine triphosphate
 - c) CD-Kinase
 - d) GTPase activating protein

5. 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

6. Which of the following shows polymerization by ring opening
 - a) Silorane
 - b) UDMA
 - c) TEGMA
 - d) BISGMA

7. What will happen when a stone cast is kept above 90°C :
 - a) Contraction due to conversion of dihydrate to hemihydrate
 - b) Disintegration into pieces
 - c) Expansion due to conversion of hemihydrate into beta- hemihydrate
 - d) No effect

8. Which of these is the penultimate tooth to erupt ?
 - a) Maxillary 3rd molar
 - b) Maxillary 2nd molar
 - c) Mandibular canine
 - d) Maxillary 2nd premolar

9. Which enzyme is seen in stratum intermedium:
 - a) Alkaline phosphatase
 - b) Acid phosphatase
 - c) Hyaluronidase
 - d) Collagenase

10. Which of these is a psuedocyst:
 - a) Nasolabial cysts
 - b) Globulomaxillary cyst
 - c) Traumatic cyst
 - d) Radicular cyst



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11. A 25 year old patient reports with swelling since last 2 months which increases while eating food and becomes painful. O/E it is palpated by bimanual palpation. Diagnosis is :
 - a) Plunging ranula
 - b) Submandibular cyst
 - c) Submandibular sialadenitis
 - d) Submandibular gland tumor

12. Most obvious clinical sign in concussion is :
 - a) Tenderness on percussion
 - b) Change in color
 - c) Bleeding
 - d) Mobility

13. Best method to retain a corrected maxillary canine rotation :
 - a) Supracrestal fibrotomy
 - b) Overcorrection
 - c) Permanent retention
 - d) Long term removable retainer

14. Which of these causes maximum amount of connective tissue damage leading to bone loss :
 - a) Supragingival attached plaque
 - b) Subgingival plaque
 - c) Subgingival unattached plaque
 - d) Subgingival plaque attached to epithelium

15. Pacemaker tissue in heart:
 - a) SA node
 - b) AV node
 - c) Ventricular fibres
 - d) Purkinje fibres

16. Mitochondria are rich in which enzyme of gluconeogenesis:
 - a) Glucose 6 phosphate
 - b) Fructose-1,6 bisphosphate
 - c) Pyruvate dehydrogenase
 - d) Pyruvate carboxylase

17. A lady taking warfarin, which drug is contraindicated:
 - a) Fluconazole
 - b) Amphotericin B
 - c) Nystatin
 - d) Terfenadine



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18. Coefficient of thermal expansion of inlay wax is :
- $14-50 \times 10^{-6}$
 - $250-350 \times 10^{-6}$
 - $140-180 \times 10^{-6}$
 - $150-200 \times 10^{-6}$
19. Granular cell ameloblastoma is characterized by granules which are composed of :
- Azurophilic substance
 - Zymogen
 - Mitochondria
 - Lysosome
20. Cherry red macules on skin with crushed spider appearance are characteristic of :
- Hereditary hemorrhagic telangiectasia
 - Erythema multiforme
 - DIC
 - Purpura
21. Which of the following correlates to highest correlation between variables ? :
- $r = +0.25$
 - $r = +0.5$
 - $r = -0.75$
 - $r = +2$
22. Microabrasion using modified croll technique utilizes :
- 37% phosphoric acid
 - 10% HCl
 - 18% Citric acid
 - 5% HF
23. In the first sitting of root canal treatment, in which of the cases should occlusal reduction be done to prevent post appointment pain :
- Vital pulp, normal periapex
 - Irreversible pulpitis, normal periapex
 - Necrotic pulp, normal periapex
 - Necrotic pulp, tooth tender to percussion



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24. What is seen when a wire is bent below its elastic limit and is released :
- a) Spring back
 - b) Yield strength
 - c) Increase in stiffness
 - d) Decrease in stiffness
25. Force applied by jack screw during RME :
- a) 2-5pounds
 - b) 10-20pounds
 - c) 25-30 pounds
 - d) 5-10 pounds
26. Which material is not used for pulpotomy :
- a) Laser
 - b) MTA
 - c) Ferric sulphate
 - d) Maisto paste
27. Le clerc procedure is used for management of :
- a) TMJ ankylosis
 - b) TMJ arthritis
 - c) TMJ dislocation
 - d) TMJ arthroplasty
28. Trap door anomaly is seen in the fracture of :
- a) Orbital floor
 - b) Nasal
 - c) Maxilla
 - d) Zygomatic arch
29. Which salivary component acts against lipopolysaccharides of bacteria :
- a) Lysozyme
 - b) Lactoferrin
 - c) Myeloperoxidase
 - d) Histatin



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30. Floating teeth are seen in which of the following conditions:

- a) Cleidocranial dysplasia
- b) Histiocytosis X
- c) Ehlerdanlos syndrome
- d) Osteoporosis

31. Which new generation sialogogue has additional M3 action :

- a) Hyoscine
- b) Cinnarizine
- c) Promethazine
- d) Civelimine

32. When the xray tube is shifted to the right, the object shifts to the left as compared to the adjacent teeth. The Object is positioned:

- a) Labial to the teeth
- b) Lingual to the teeth
- c) In line with the teeth
- d) It has no relation to the teeth

33. Fourth generation pit and fissure sealants

- a) Fluoride releasing
- b) UV light cured
- c) High viscosity sealants
- d) Colored sealants

34. First and foremost step in biomedical waste disposal:

- a) Decontamination
- b) Segregation
- c) Incineration
- d) Proper disposal

35. STROBE guidelines are applied to :

- a) Non- concurrent studies
- b) Cross over studies
- c) Randomized trials
- d) Observational studies

