

39. Horizontally unfavourable fracture of angle of mandible runs from :

- (1) Anteriorly on lingual cortex to posteriorly on buccal cortex
- (2) Posteriorly on upper border to anteriorly on lower border
- (3) Anteriorly on upper border to posteriorly on lower border
- (4) Posteriorly on lingual cortex to anteriorly on buccal cortex

40. Which of the following is used in chemoclave ?

- (1) Ethylene oxide
- (2) Gluteraldehyde
- (3) Alcohol - Formaldehyde solution
- (4) Ammonium nitrate

Attempt any five questions. Write answer in 150-200 words. Each question carries 16 marks. Answer each question on separate page, after writing Question Number.

1. Nanotechnology
2. Immediate implants
3. Stem cell in dentistry
4. Occlusion
5. Closed mouth nerve block technique for inferior alveolar nerve
6. Dental management of HIV positive patient
7. Internal derangement of Temporomandibular joint
8. Smear layer
9. Mercury Poisoning
10. Clinical waste disposal

RET/12/Test B

671 | Dental Science

Question Booklet No. **003**

(To be filled up by the candidate by **blue/black ball-point pen**)

Roll No.

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Roll No. (Write the digits in words)

Serial No. of OMR Answer Sheet

Day and Date
(Signature of Invigilator)

INSTRUCTIONS TO CANDIDATES

(Use only **blue/black ball-point pen** in the space above and on both sides of the **Answer Sheet**)

1. Within 10 minutes of the issue of the Question Booklet, Please ensure that you have got the correct booklet and it contains all the pages in correct sequence and no page/question is missing. In case of faulty Question Booklet, bring it to the notice of the Superintendent/Invigilators immediately to obtain a fresh Question Booklet.
2. Do not bring any loose paper, written or blank, inside the Examination Hall *except the Admit Card without its envelope.*
3. *A separate Answer Sheet is given. It should not be folded or mutilated. A second Answer Sheet shall not be provided.*
4. Write your Roll Number and Serial Number of the Answer Sheet by pen in the space provided above.
5. *On the front page of the Answer Sheet, write by pen your Roll Number in the space provided at the top, and by darkening the circles at the bottom. Also, wherever applicable, write the Question Booklet Number and the Set Number in appropriate places.*
6. *No overwriting is allowed in the entries of Roll No., Question Booklet No. and Set No. (if any) on OMR sheet and Roll No. and OMR sheet No. on the Question Booklet.*
7. *Any changes in the aforesaid-entries is to be verified by the invigilator, otherwise it will be taken as unfair means.*
8. *This Booklet contains 40 multiple choice questions followed by 10 short answer questions. For each MCQ, you are to record the correct option on the Answer Sheet by darkening the appropriate circle in the corresponding row of the Answer Sheet, by pen as mentioned in the guidelines given on the first page of the Answer Sheet. For answering any five short Answer Questions use five Blank pages attached at the end of this Question Booklet.*
9. For each question, darken only one circle on the Answer Sheet. If you darken more than one circle or darken a circle partially, the answer will be treated as incorrect.
10. *Note that the answer once filled in ink cannot be changed. If you do not wish to attempt a question, leave all the circles in the corresponding row blank (such question will be awarded zero marks).*
11. For rough work, use the inner back page of the title cover and the blank page at the end of this Booklet.
12. Deposit *both OMR Answer Sheet and Question Booklet* at the end of the Test.
13. You are not permitted to leave the Examination Hall until the end of the Test.
14. If a candidate attempts to use any form of unfair means, he/she shall be liable to such punishment as the University may determine and impose on him/her.



1. Hardness of Enamel's due to its :
- (1) Inorganic contents (2) Organic contents
(3) Structure (4) Thickness
2. Excess Amino acids are broken down in :
- (1) Duodenum (2) Ileum (3) Liver (4) Stomach
3. Wrist bones have :
- (1) Gliding joint (2) Pivot joint (3) Hinge joint (4) Fibrous joint
4. Which is not common problems related to sebaceous gland ?
- (1) Pimples (2) Piloerectin (3) Acne (4) Black head
5. Which is not correct matched pairs ?
- (1) Anopheles - Malaria
(2) Aedes - Dengue
(3) Culex - Filaria
(4) Plasmodium - Yellow fever
6. Which is not true for Cartilage :
- (1) It is a non porous tissue.
(2) It is semi transparent.
(3) It is elastic.
(4) It has good supply of blood vessels and nerves.
7. Longest cell are :
- (1) Nerves cells (2) Ostrich egg (3) Bone cells (4) Volvox
8. Wisdom tooth is :
- (1) Incisor . (2) Canine (3) Premolar (4) Molar



9. Which is not true for Centrifugation :

- (1) Method of separating solids from liquid.
- (2) Applied in washing machine.
- (3) Used in diagnostic Laboratories.
- (4) Used for heterogenous mixtures.

10. Which is not viral disease :

- (1) Mumps
- (2) Influenza
- (3) Hay fever
- (4) Yellow fever

11. Average leeway space available in each half of maxilla is approximately :

- (1) .9 mm
- (2) 2.9 mm
- (3) 4 mm
- (4) 6.9 mm

12. Carpel Radiograph is used for assessment of :

- (1) Bone condition
- (2) Chronological age
- (3) Treatment Plan
- (4) Skeletal maturation

13. FHP is formed by joining :

- (1) Porion & Orbitale
- (2) Nasion & sella
- (3) Porion & sella
- (4) Porion & Nasion

14. Torque in Orthodontics relies to :

- (1) Change in mesiodistal inclination of teeth
- (2) Change in labiolingual inclination
- (3) Rotation of teeth
- (4) Intrusion of teeth

15. In class II cavity for inlay, cavosurface margin of the gingival seat clears the adjacent teeth by :

- (1) $.2 \pm .05$ mm
- (2) $.5 \pm .2$ mm
- (3) $.8 \pm .35$ mm
- (4) $1.10 \pm .45$ mm

16. Conventional dental amalgam alloy contains :

- (1) Silver, tin, copper & zinc
- (2) Silver, mercury, copper & zinc
- (3) Silver, tin, palladium & zinc
- (4) Silver, copper, iridium & mercury

17. Secondary flare provides marginal metal of :

- (1) 10 – 20 degree
- (2) 30 – 40 degree
- (3) 140 – 150 degree
- (4) 110 – 120 degree

18. Surgical templates are often designated from :

- (1) Master cast
- (2) Diagnostic cast
- (3) Refractory cast
- (4) Treatment cast

19. An Occlusal plane analyzer may be used on diagnostic cast to evaluate pretreatment conditions & assist in :

- (1) Odontoplasty
- (2) Endodontic therapy
- (3) Occlusal plane correction
- (4) Entraction of teeth

20. The most common edentulous arch form is :

- (1) Square
- (2) Tapered
- (3) Ovoid
- (4) Combination of the above

21. The most common cause of failure of tooth supported fixed prosthesis is :

- (1) Caries of the abutment
- (2) Periodontal disease of the abutment
- (3) Improper oral hygiene
- (4) Fracture of the abutment

22. Dental cements are weak in :

- (1) Compression
- (2) Shear
- (3) Tension
- (4) All of the above

23. Which of the following exhibit greater microleakage when used as core buildup material for extensively damaged tooth :

- (1) Amalgam
- (2) Composite
- (3) Glass ionomer cement
- (4) Polycarboxylate



24. Shape of tooth preparation & Crown configuration after distibuccal root is removed :

- | | |
|---------------------|---------------|
| (1) More triangular | (2) Lamb chop |
| (3) Oval | (4) Circular |

25. Verill's sign is seen in :

- | | |
|-----------------------------|-----------------------|
| (1) Diazepam administration | (2) Pagets disease |
| (3) Digitalis toxicity | (4) Unconscious state |

26. Most accepted theory of conduction of pain is :

- | | |
|-----------------------------------|---------------------------------|
| (1) Gate control | (2) Specific receptor theory |
| (3) Membrane stabilization theory | (4) Calcium displacement theory |

27. Black bluish pigmentation on areas of pre-existing gingival inflammation is due to :

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|-------------|-------------|----------|-------------|
| (1) Bismuth | (2) Arsenic | (3) Lead | (4) Mercury |
|-------------|-------------|----------|-------------|

28. Brushing technique recommended for patients with periodontal disease is :

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|------------------------|------------------------|
| (1) Scrub technique | (2) Roll technique |
| (3) Sulcular technique | (4) Circular technique |

29. is a Periodontal pathogen :

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|----------------|---------------|----------------|---------------|
| (1) Bacteroids | (2) Neisseria | (3) Wollinella | (4) Eikenella |
|----------------|---------------|----------------|---------------|

30. Trauma from occlusion is least likely to affect :

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|------------|---------------------------|
| (1) Enamel | (2) Cementum |
| (3) PDL | (4) Epithelial attachment |

31. Chlorhexidine is inactive against :

- | | |
|-------------------|------------------------|
| (1) Streptococcus | (2) Viruses |
| (3) Fungi | (4) Bacteroid fragilis |

