

# **BABA FARID UNIVERSITY OF HEALTH SCIENCES, FARIDKOT**

## **DENTAL MECHANIC**

(Under DRME, Govt. of Punjab)

QUESTION BOOKLET NO.

IMPRESSION OF THE CANDIDATE

OMR ANSWER SHEET NO.

ROLL NO:

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FULL SIGNATURE OF THE CANDIDATE

FULL SIGNATURE OF THE INVIGILATOR

FULL SIGNATURE OF THE OBSERVER

**Time Allowed: 1.00 Hours (11.00 AM to 12.00 noon)**

**Maximum Marks: 50**

1. Use BLACK FINE TIP BALL PEN only. Use of pencil is not allowed.
2. Write your Roll number on the OMR answer-sheet and also on the question-booklet only in the space provided for the purpose and at no other place in the question booklets and Answer-sheet
3. Enter the Question Booklet Set and Number on the OMR Answer-sheet and also darken the corresponding bubbles with BLACK FINE TIP BALL PEN.
4. Do not put any marks anywhere in the Question booklet /on the OMR Answer-sheet.
5. **There are 50 objective type questions in all of 1 Mark each.** Before attempting the questions, check that the Question-booklet is complete. In case any question/part of question or page is missing, inform the Centre Superintendent within 5 minutes of the start of the examination. After that no claim will be entertained.
6. **Each question is followed by four alternative responses listed as A), B), C) and D) out of which only one is correct / most correct. In case, all the ovals are left blank, there will be deduction of marks @ 0.25 mark for each such unattempted question. Fifth oval 'E' (introduced for security purpose) is to be darkened in case you do not want to attempt the question to avoid negative marking.**
7. To open the question booklet, remove the seal gently when asked to do so. Handover the OMR Answer-sheet to the officer on duty on the completion of the time before you leave the examination hall.
8. **The candidates are permitted to carry his/her question booklet after completion of the examination but OMR Sheets are compulsory required to be deposited with the invigilator.**
9. A candidate who create disturbance of any kind or changes his/her seat or is found in possession of any paper possibility of any assistance to him/her or unfair means will be expelled from the examination by the Centre superintendent/Observer, whose decision shall be final. ("Expulsion" for this purpose would mean cancellation of the entire examination of the candidate).
10. **THE CANDIDATES ARE NOT PERMITTED TO CARRY ANY TELECOMMUNICATION EQUIPMENT SUCH AS WATCH, CELLULAR PHONE, WIRELESS SET, SCANNER ETC. INSIDE THE EXAMINATION HALL.**
11. For rough work, use only the blank space of the Question booklet.
12. The candidates will not be allowed to leave the examination hall during the examination.
13. Borrowing any material is not allowed.
14. The answer-sheet is designed for Computer evaluation. If the instructions are not followed properly, the candidate alone shall be responsible for the resultant loss.
15. Smoking/Refreshment shall not be allowed in the Entrance Test Centre/Hall.
16. Male candidates shall affix their Left Thumb Impression (LTI) while Female candidates shall affix Right Thumb Impression (RTI) at the prescribed place on the OMR answer sheet, Question Booklet and attendance sheet. The Centre superintendent shall also obtain and retain it for record.
17. The candidate must fill both the question booklet number and OMR answer sheet number on the attendance sheet.
18. No candidate shall be allowed to leave the centre before **12.00 noon**.



1. The normal respiration rate for a relaxed adult is \_\_\_\_\_ breaths per minute
  - A) 10 to 20
  - B) 5 to 10
  - C) 15 to 30
  - D) 20 to 25
  
2. Bicuspid are \_\_\_\_\_ in number.
  - A) 8
  - B) 10
  - C) 12
  - D) 4
  
3. The horizontal distance between the labioincisal surfaces of the mandibular incisors and linguoincisal surfaces of the maxillary incisors is known as-
  - A) Underjet
  - B) Overbite
  - C) Overjet
  - D) Open bite
  
4. Progressive loss of hard tooth substance caused by mechanical factors is known as:
  - a. Attrition
  - b. Erosion
  - c. Abrasion
  - d. All of the above
  
5. Sharp abnormal bend or curve in the root or crown of the tooth is known as-
  - a. Dilaceration
  - b. Gemination
  - c. Fusion
  - d. Concrescence
  
6. Which vitamin helps in normal clotting of blood and helps maintain normal liver function-
  - a. Vitamin A
  - b. Vitamin K
  - c. Vitamin C
  - d. Vitamin D
  
7. Substance contained in a product to retain moisture and prevent hardening upon exposure to air is known as-
  - a. Astringent
  - b. Humectant
  - c. Co Polymer
  - d. Chemotherapeutic agent
  
8. Total number of facial bones are-
  - a. 14
  - b. 16
  - c. 18
  - d. 20
  
9. Material of choice for implants is?
  - a. Stainless steel
  - b. Vitreous carbon
  - c. Titanium
  - d. Ceramics
  
10. The chewing surface of the posterior teeth are called \_\_\_\_\_.
  - a. Incisal
  - b. Lingual
  - c. Buccal
  - d. Occlusal
  
11. The teeth that are sometimes called the 'Corner of the arch' are the \_\_\_\_\_.
  - a. Lateral incisors
  - b. Premolars
  - c. Canines
  - d. First permanent molars
  
12. Which of the following has maximum Cholesterol content?
  - a. Egg yolk
  - b. Coconut oil
  - c. Hydrogenated fat
  - d. Ghee
  
13. \_\_\_\_\_ is an insensitive tissue.
  - a. Dentin
  - b. Pulp
  - c. Periodontal ligament
  - d. Enamel

14. The number of teeth in deciduous dentition are-
- 32
  - 28
  - 20
  - 18
15. Masticatory mucosa covers
- Gingiva & hard palate
  - Lips & cheeks
  - Dorsum of tongue
  - Specialized mucosa
16. Zinc oxide eugenol impression past hardens by
- Chemical reaction
  - Cold
  - Heat
  - Pressure
17. Best material for duplicating cast is \_\_\_\_
- Agar-agar
  - Alginate
  - Zinc oxide eugenol
  - Plaster of Paris
18. Condensation shrinkage of porcelain during firing depends upon-
- Shape and size of particles
  - Rate of firing and temperature
  - Uniformity of particle size
  - Type of investment used
19. Stiffness refers to
- Resistance to elastic deformation
  - Degree of elastic deformation
  - Shrinkage on cooling
  - Expandability on heating
20. What is Trituration?
- Same as erosion
  - Surface discoloration of metal
  - Mixing of amalgam alloy with mercury
  - Expandability on heating
21. The firing temperature of high fusing porcelain lies in the range of
- 1600-1950° F
  - 2000-3400° F
  - 2350-2500° F
  - 1000-1500° F
22. Water powder ratio of dental stone and plaster is respectively
- 0.28 & 0.5
  - 0.6 & 0.28
  - 0.5 & 3.2
  - 0.28 & 0.98
23. Model plaster (white) used to cast study models before mixing with water is largely composed of
- CaO
  - CaCO<sub>3</sub>
  - (CaSO<sub>4</sub>)<sub>2</sub>.1/2H<sub>2</sub>O
  - CaSO<sub>4</sub>.2H<sub>2</sub>O
24. Inadequate pressure application during flasking \_\_\_\_
- Increases vertical dimension
  - Causes teeth to be shrunken in investment
  - Causes poor quality of colour
  - Causes fracture of denture
25. Haemophilia A is due to deficiency of \_\_\_\_
- Factor VIII
  - Factor IX
  - Factor X
  - Factor VII
26. Most common microorganism of oral flora are \_\_\_\_
- Aerobic streptococci
  - Anaerobic Streptococci
  - Facultative streptococci
  - Hemolytic streptococci

27. The Chamfer finish line is used in\_\_
- Lingual surface of metal ceramic crown
  - Facial surface of metal ceramic crown
  - Facial surface of porcelain jacket crown
  - Lingual surface of porcelain jacket crown
28. Zero degree anatomic teeth are used in\_\_
- Flat ridge
  - Sharp ridge
  - Ridge with undercut
  - Well contoured ridge
29. Porcelain laminate veneers during adhesion gets maximum retention through\_\_
- Composite resin silanization, luting agent, acid etching and porcelain
  - Acid etching, silanization and restoration
  - Composite resin, acid etching and restoration
  - Composite resin, etching and silanization
30. The mediolateral curve that contacts the buccal and lingual cusp tips on each side of the arch.
- Wilson curve
  - Curve of Spee
  - Mansoon curve
  - Catenary curve
31. Which of the following is a gypsum product?
- Stone
  - Plaster
  - Investment
  - All of the above
32. Impression material of choice in OSMF patient is\_\_
- Addition silicon
  - Plaster of paris
  - ZnOE
  - Condensation silicon
33. The material used in its pure form in dentistry is\_\_
- Composite
  - Silver
  - Gold
  - Amalgam
34. Porcelain is best fired in\_\_
- Open air
  - Under air compression
  - Under minimum pressure
  - Several layers are fired simultaneously
35. Porosity in porcelain can be prevented by\_\_
- Thoroughness of condensation
  - Rapidity of firing
  - High firing temperature
  - Low firing temperature
36. Die is\_\_
- Impression of single tooth
  - Impression of whole teeth
  - Replica of single tooth
  - Replica of whole teeth
37. In patients of syncope the pupils are\_\_
- Constricted
  - Dilated, fixed & non reacting to light
  - Constricted & non reacting to light
  - Dilated & fixed.
38. Which of the following truly adheres to the tooth surfaces?
- Glass ionomer cement
  - Composite
  - Zinc Phosphate
  - Silicate cement
39. The replacement of missing part by artificial substitute is called as\_\_
- Obturator
  - Tongue blade
  - Prosthesis
  - Myofunctional appliance

40. Which of the following is correct glass transition temperature of impression compound

- a. 43.5° c
- b. 39° c
- c. 65° c
- d. 100° c

41. Mesiodens is a \_\_\_\_

- a. Supernumerary tooth between central incisors
- b. Permanent tooth
- c. Deciduous tooth
- d. None of the above

42. The relationship of the denture base that resists dislodgement of denture in horizontal direction is

- a. Stability
- b. Pressure
- c. Support
- d. Retention

43. Relining of complete denture is not indicated when?

- a. Denture contains broken teeth
- b. There is excessive resorption of the ridge
- c. Vertical dimension is excessively reduced and had to be changed
- d. Centric relation does not coincide with centric occlusion

44. The most suitable margin design for all ceramic restoration is \_\_\_\_

- a. Shoulder
- b. Shoulder with bevel
- c. Chamfer
- d. Depends upon operator's choice

45. In fixed partial denture it is better for posterior pontic to avoid contacts in \_\_\_\_

- a. Working side contacts
- b. Side to side contacts
- c. Balancing side contacts
- d. Centric occlusion

46. The pontic design of choice in the appearance zone of maxillary and mandibular bridge

- a. Hygienic
- b. Saddle
- c. Modified ridge lap
- d. Conical

47. The stainless steel crown was invented by

- a. Humphrey
- b. Cvek
- c. Willet
- d. Addleson

48. Impression material of choice for flabby tissue

- a. Irreversible Hydrocolloid
- b. Putty silicone
- c. Impression compound
- d. Heavy body silicone

49. Tissue reaction that is common to over extension of labial flanges of complete denture is \_\_\_\_

- a. Epulis granuloma
- b. Epulis fissuratum
- c. Papillary hyperplasia
- d. Pyogenic granuloma

50. Stainless steel is \_\_\_\_

- a. Iron-Chromium-cobalt
- b. Iron-nickel-chromium
- c. Iron-copper-cobalt
- d. Iron-cobalt titanium

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