

Vocational Practical Question Bank
First Year
Dental Technician
Course Code: 610

State Institute of Vocational Education
o/o the Commissioner of Intermediate Education
Telangana, Hyderabad

&

Board of Intermediate Education,
Telangana, Hyderabad

**DENTAL TECHNICIAN
FIRST YEAR
QUESTION BANK
SUBJECT: APPLIED ORAL ANATOMY
PAPER – 1**

Time: 3 Hours

Max Marks: 50

Section - I

(1x8=8 Marks)

1. Draw the Maxillary Edentulous cast, colour and label the landmarks.
2. Draw the Mandibular Edentulous cast, colour and label the landmarks.
3. Draw a neat labelled diagram of the C.S of the tooth.
4. Draw a neat labelled diagram of the T.S of the tooth.
5. Draw a neat labelled diagram of the Human Tooth, define Crown and root.
6. Draw a neat labelled diagram of Human Skull.

Section- II

(1x8=8)

7. Write in detail about all the three dental Formula and nomenclature, FDI notation, Palmer notation and the Universal notation
8. Write in detail about the Chronology of all the Deciduous and the permanent teeth.
9. How many types of teeth are present in Human dentition, and write in detail about the function of the human teeth.
10. Describe the Morphology of crowns of Maxillary Anterior and posterior Human Teeth.
11. Describe the Morphology of crowns of Mandibular Anterior and posterior Human teeth.
12. Write the Elementary Anatomy of structure of denture bearing area.

Section – III

(1x8=8)

13. Draw and carve the Maxillary Central Incisor on the wax block.
14. Draw and carve the Mandibular Central Incisor on the wax block.
15. Draw and carve the Maxillary Canine on the wax block.
16. Draw and carve the Mandibular Canine on the wax block.
17. Draw and carve the Maxillary First Molar on the wax block.
18. Describe in detail the maxillary and mandibular Jaw bones.

Section – IV

(2x4=8)

- 19.(a) FDI Notation
(b) Temporalis Muscle

20. (a) Dental Formula for Deciduous teeth
 (b) Difference between the roots of maxillary & mandibular first molar.
21. (a) Name the stress bearing area of maxillary and mandibular cast.
 (b) Bregma
22. (a) Difference between the crown of maxillary & mandibular first molar.
 (b) Dental Formula for Permanent teeth
23. (a) Masseter Muscle
 (b) Universal Notation
24. (a) lamda
 (b) Name the stress relieving area of maxillary and mandibular cast.

Section – V

(4x2=8)

Identification (spotters)

25. (a) Maxillary Central Incisor
 (b) Mandibular First Molar
 (c) Cranium
 (d) Mandible
26. (a) Maxillary Canine
 (b) Mandibular First Molar
 (c) Occipital bone
 (d) Mandible
27. (a) Maxillary First Premolar
 (b) Mandibular Second Premolar
 (c) Frontal Bone
 (d) TMJ
28. (a) Maxillary Lateral Incisor
 (b) Mandibular First Premolar
 (c) Zygomatic Bone
 (d) Body of the mandible
29. (a) Maxillary Second Premolar
 (b) Mandibular Third Molar
 (c) Nasal Bone
 (d) Parietal Bone
30. (a) Maxillary Third Molar
 (b) Mandibular canine
 (c) Temporal Bone
 (d) Mandible

Section – VI

Record

5 Marks

Viva

5 Marks

**DENTAL TECHNICIAN
FIRST YEAR
MODEL QUESTION PAPER
SUBJECT: APPLIED ORAL ANATOMY
PAPER – 1**

Time: 3 Hours

Max Marks: 50

Section - I

(1x8=8 Marks)

2. Draw the Mandibular Edentulous cast, colour and label the land marks.

Section- II

(1x8=8)

7. Write in detail about all the three dental Formula and nomenclature,
FDI notation, Palmar notation and the Universal notation.

Section – III

(1x8=8)

13. Draw and carve the Maxillary Central Incisor on the wax block.

Section – IV

(2x4=8)

23. (a) Masseter Muscle
(b) Universal Notation

Section – V

(2x4=8)

30. (a) Maxillary Third Molar
(b) Mandibular canine
(c) Temporal Bone
(d) Mandible

Section – VI

Record

5 Marks

Viva

5 Marks

Note: The Serial numbers of the question mentioned above are the serial numbers in the question bank. In practical examination only the serial number of the questions will be given, the examiner shall decode it with the question bank and give the questions.

**DENTAL TECHNICIAN
FIRST YEAR
PRACTICAL SCHEME OF VALUATION
SUBJECT: APPLIED ORAL ANATOMY
PAPER – 1**

Time: 3 Hours

Max Marks: 50

Section - I, II Major Question

(1x8=8 Marks)

- | | | |
|----------------------------------|---|---------|
| 1. Diagram/Principle | : | 2 marks |
| 2. Appropriate colour | : | 1 mark |
| 3. Labelling /objectives/formula | : | 2 marks |
| 4. Purpose/method/Description | : | 3 marks |

Section – III Major Question

(1x8=8)

- | | | |
|--------------|---|---------|
| 1. Diagram | : | 2 marks |
| 2. Labelling | : | 2 marks |
| 3. Carving | : | 4 marks |

Section – IV

(2x4=8)

- | | | |
|------------------------------|---|---------|
| 1. Formula/Name/Origin | : | 2 marks |
| 2. Insetion/Purpose/function | : | 2 marks |

Section – V (Spotters)

(4x2=8)

- | | | | |
|-------------------|---|-------------------|---------|
| 1. Identification | } | (a)/(b)/(c)/(d) : | 2 marks |
| 2. Uses | | | : |

Section – VI

Record : **5 Marks**

Viva : **5 Marks**

**DENTAL TECHNICIAN
FIRST YEAR
QUESTION BANK
SUBJECT: DENTAL MECHANIC (PRIMARY)
PAPER – II**

Time: 3 Hours

Max Marks: 50

Section - I

(1x8=8 Marks)

1. Draw, label and colour the Maxillary Edentulous land marks.
2. Draw, Colour, Label the Mandibular Edentulous Land marks.
3. Draw, define, and classify Impression Trays.
4. Draw, label and write in detail about Beading.
5. Draw, label and write in detail about Boxing.
6. Draw, label, colour and write about the spacers and their uses/purpose.

Section – II

(1x8=8)

7. Describe the cast preparation, its principles, objectives, purpose/uses and draw a neat labelled diagram of Maxillary Edentulous cast.
8. Write in detail about the Maxillary occlusal rims preparation and draw a neat labelled diagram with all measurements.
9. Draw a neat labelled diagram of Articulator, write its definition, classification and uses.
10. Write in detail about the Mandibular occlusal rims preparation and draw a neat labelled diagram with all measurements.
11. Draw a neat labelled diagram and write in detail about Special Tray- definition, different materials used, name the different methods, purpose /uses.
12. Draw a neat labelled diagram of a Complete denture and write in detail about the denture repairing, different materials used and mention different methods of repairing.

Section – III

(1x8=8)

13. Fabricate Maxillary Occlusal Rim on Maxillary Edentulous Cast.
14. Shellac Base Plate adaptation on the Maxillary Edentulous Cast.
15. Fabricate Mandibular Occlusal Rim on Mandibular Edentulous Cast.
16. Shellac Base Plate adaptation on the Mandibular Edentulous Cast.
17. Beading of the Maxillary Edentulous Cast.
18. Boxing of the Maxillary Edentulous Cast.
19. Beading of the Mandibular Edentulous Cast.
20. Kennedy's classification.

Section – IV**(2x4=8)**

- 21.(a) curve of spee
 - (b)Articulator
- 22. (a) Balance Occlusion
 - (b) Overjet
- 23.(a) Define Occlusal Rims
 - (b) Overbite
- 24.(a) Define Packing
 - (b)Dewaxing
- 25.(a)Occlusal Rest
 - (b) Define Impression Tray
- 26.(a)Define Spacer
 - (b) Clasps

Section – V (Identification/spotters)**(4x2=8)**

- 27. (a) perforated Maxillary Impression Tray
 - (b) Shellac Base Plate
 - (c) Beading Wax
 - (d) Heat Cure Acrylic
- 28. (a) Non-Perforated Mandibular Impression Tray
 - (b) Three Pin Articulator
 - (c)Boxing Wax
 - (d) Self – Cure Acrylic
- 29. (a) Special tray- Maxillary & Mandibular with Spacer
 - (b) Porcelain Maxillary Anterior Teeth
 - (c) Modelling wax
 - (d) Separating Medium (soap solution / cellophane sheet)
- 30. (a) Special tray- Maxillary & Mandibular without Spacer
 - (b) C – Clasp
 - (c) Denture Repairing Wax
 - (d) Polishing Material (Pumice Powder)

Section – VI**(5x2=10)****Record****5 marks****Viva****5 marks**

**DENTAL TECHNICIAN
FIRST YEAR
MODEL QUESTION PAPER
SUBJECT: DENTAL MECHANICS (PRIMARY)
PAPER – II**

Time: 3 Hours

Max Marks: 50

Section - I

(1x8=8 Marks)

6. Draw, label, colour and write about the spacers and their uses/purpose.

Section- II

(1x8=8)

7. Describe the cast preparation, its principles, objectives, purpose/uses and draw a neat labelled diagram of Maxillary Edentulous cast.

Section – III

(1x8=8)

16. Shellac Base Plate adaptation on the Mandibular Edentulous Cast.

Section – IV

(2x4=8)

23.(a) Define Occlusal Rims

(b) Overbite

Section – V (Spotter)

(2x4=8)

27. (a) perforated Maxillary Impression Tray

(b) Shellac Base Plate

(c) Beading Wax

(d) Heat Cure Acrylic

Section – VI

(5x2=10)

Record

5 Marks

Viva

5 Marks

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**DENTAL TECHNICIAN
FIRST YEAR
PRACTICAL SCHEME OF VALUATION
SUBJECT: DENTAL MECHANICS PRIMARY
PAPER – II**

Time: 3 Hours

Max Marks: 50

Section - I,II Major Question

(1x8=8 Marks)

- | | | |
|-----------------------------------|---|---------|
| 1. Diagram/Principle | : | 2 marks |
| 2. Appropriate colour /Definition | : | 1 mark |
| 3. Labelling /objectives/formula | : | 2 marks |
| 4. Purpose/method/Description | : | 3 marks |

Section – III Major Question

(1x8=8)

- | | | |
|--------------------|---|---------|
| 1. Neatness | : | 1 mark |
| 2. All Instruments | : | 1 mark |
| 3. Fabrication | : | 6 marks |

Section – IV

(2x4=8)

- | | | |
|--------------------------------|---|---------|
| 3. Formula/Name/measurements | : | 2 marks |
| 4. Purpose/function/Definition | : | 2 marks |

Section – V

(4x2=8)

- | | | | |
|-------------------|---|-------------------|---------|
| 1. Identification | } | (a)/(b)/(c)/(d) : | 2 marks |
| 2. Uses | | | 2 marks |

Section – VI

(5x2=10)

- | | | |
|-----------|---|---------|
| 1. Record | : | 5 Marks |
| 2. Viva | : | 5 Marks |

**DENTAL TECHNICIAN
FIRST YEAR
QUESTION BANK
SUBJECT: DENTAL MATERIALS
PAPER – III**

Time: 3 Hours

Max Marks: 50

Section - I

(1x8=8 Marks)

1. Draw the classification chart of the Dental Material with respective examples and Uses.
2. Draw the classification chart of all the Impression Materials with respective examples and purpose.
3. Draw the classification chart of the Gypsum products, their formula, w/p ratio, alternative names, and their uses.
4. Draw the classification chart of the Dental Cements, compositions, sources, reaction and uses.
5. Draw the classification chart of the Dental Waxes, composition/ sources, and uses.
6. Draw the classification chart of the Dental Investment Materials, compositions and uses.

Section – II

(1x8=8)

7. Write in detail about elastomeric impression material- classify, names, composition, uses.
8. Describe about the procedure of pouring of the edentulous casts.
9. Write in detail about zinc-oxide Eugenol Impression Paste- composition, reaction, uses and manipulation.
10. Describe the Alginate Impression material – source, uses, storage and manipulation.
11. Write in detail about the Modelling wax – definition, sources, uses and manipulation.
12. Describe the finishing and the polishing agents used in Dentistry. – names, composition, uses and manipulation.

Section – III**(1x8=8)**

13. Mix Dental stone
14. Manipulate Alginate Impression Material.
15. Duplicate the Dentulous Maxillary Cast.
16. Zinc-Oxide Eugenol Impression Paste Mixing.
17. Impression Compound Manipulation/softening.
18. Pouring of Dentulous /Edentulous Casts using Dental Material.

Section – IV**(2x4=8)**

19. (a) Elastic Impression Material two examples
(b) Sticky Wax two uses
20. (a) Irreversible Hydrocolloids two examples
(b) Inlay wax
21. (a) Zinc – Oxide Eugenol Impression Paste – two methods to alter the working time
(b) Cavity Liners two examples
22. (a) Abrasive Material – two examples
(b) Impression Compound – two other names
23. (a) Name the Stages of the Cold Cure Acrylic
(b) Polishing Dental Material two examples
24. (a) Dental Investment Material Two Uses
(b) Setting Reaction Equation of Dental Stone

Section – V (Identification- Spotters)**(4x2=8)**

25. (a) Dental Plaster
(b) Sticky wax
(c) Alginate
(d) Impression compound
26. (a) Rigid Impression Material – Impression Compound
(b) Type – II Gypsum (Dental Stone)
(c) Alginate
(d) Inlay wax
27. (a) Shellac Base Plate
(b) Type – III Gypsum (Densite)
(c) Agar-Agar
(d) Dental Casting Metal
28. (a) Dental Casting Alloy
(b) Type-I Gypsum (Dental Plaster)
(c) Modelling Wax
(d) Zinc-Oxide Eugenol Impression paste

- 29.(a) Densite
(b) Impression Compound
(c) Sticky Wax
(d) Inlay Wax
- 30.(a) Alginate
(b) Denture Base Material -Acrylic
(c) Inlay Wax
(d) Dental Stone

Section – VI

Record

Viva

(5x2=10)

5 marks

5 marks

**DENTAL TECHNICIAN
FIRST YEAR
MODEL QUESTION PAPER
SUBJECT: DENTAL MATERIALS
PAPER – III**

Time: 3 Hours

Max Marks: 50

Section - I

(1x8=8 Marks)

1. Draw the classification chart of the Dental Material with respective examples and Uses.

Section- II

(1x8=8)

10. Describe the Alginate Impression material – source, uses, storage and manipulation.

Section – III

(1x8=8)

15. Duplicate the Dentulous Maxillary Cast.

Section – IV

(2x4=8)

22. (a) Abrasive Material – two examples
(b) Impression Compound – two other names

Section – V (Spotter)

(4x2=8)

27. (a) Shellac Base Plate
(b) Type – III Gypsum (Densite)
(c) Agar-Agar
(d) Dental Casting Metal

Section – VI

Record

5 Marks

Viva

5 Marks

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**DENTAL TECHNICIAN
FIRST YEAR
PRACTICAL SCHEME OF VALUATION
SUBJECT: DENTAL MATERIALS
PAPER – III**

Time: 3 Hours

Max Marks: 50

Section - I,II Major Question

(1x8=8 Marks)

- | | | |
|----------------------------------|---|---------|
| 1. Classification representation | : | 3marks |
| 2. Spelling and Handwriting | : | 2 marks |
| 3. Examples /sources | : | 3 marks |

Section – III Major Question

(1x8=8)

- | | | |
|------------------------|---|---------|
| 1. All Instrumentation | : | 2 marks |
| 2. Neatness | : | 2 marks |
| 3. Manipulation | : | 4 marks |

Section – IV

(2x4=8)

- | | | |
|----------------------------------|---|---------|
| 1. Formula / Example /other name | : | 2 marks |
| 2. Use /Examples/composition | : | 2 marks |

Section – V

(4x2=8)

- | | | | |
|-------------------|---|-------------------|---------|
| 1. Identification | } | (a)/(b)/(c)/(d) : | 2 marks |
| 2. Uses | | | : |

Section – VI

(5x2=10)

- | | | |
|-----------|---|---------|
| 1. Record | : | 5 Marks |
| 2. Viva | : | 5 Marks |