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Answer Sheet No. _____

Sig. of Candidate. _____

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DENTAL HYGIENE HSSC-I
SECTION – A (Marks 20)

Time allowed: 25 Minutes

NOTE:- Section–A is compulsory and comprises pages 1-2. All parts of this section are to be answered on the question paper itself. It should be completed in the first 25 minutes and handed over to the Centre Superintendent. Deleting/overwriting is not allowed. Do not use lead pencil.

Q. 1 Circle the correct option i.e. A / B / C / D. Each part carries one mark.

- (i) The cell which forms bone is called _____
A. Osteoclast
B. Osteoblast
C. Osteogenesis
D. Fibroblast
- (ii) The sensory nerves carry impulses _____
A. From receptor to brain
B. From muscle to brain
C. In any direction
D. Depending on the type of sensation
- (iii) Upper molars have the sensory nerve supply _____
A. From middle and superior alveolar nerve
B. From anterior of and greater alveolar nerve
C. From posterior superior alveolar nerve mostly
D. From Ophthalmic nerve
- (iv) Chewing of food is called _____
A. Attrition
B. Incision
C. Deglutition
D. Mastication
- (v) External oblique ridge is formed on _____
A. Maxilla
B. Medial surface of mandible
C. At ramus
D. Lateral aspect of body of mandible
- (vi) Blood must flow through _____ to supply the maxillary teeth.
A. Internal carotid
B. Maxillary
C. Superior labial
D. Lingual
- (vii) The sub-mandibular salivary gland has the composition _____
A. Purely serous
B. Purely mucous
C. Serous and mucous
D. Neither mucous nor serous
- (viii) Growth in mandible is primarily _____
A. Submental
B. Condylar
C. Coronoid
D. Inferior alveolar canal
- (ix) The maxillary wisdom teeth are exfoliated by the age of _____
A. 8 years
B. 32 years
C. 60 years
D. None of these
- (x) Cusp of carabelli is found on _____
A. Mesial side of first molar
B. Occlusal surface of first molar
C. Lingual surface of first maxillary molar
D. Buccal surface of the first maxillary molar
- (xi) The lower first molar has usually _____
A. One cusp
B. Two cusps
C. Four cusps
D. Five cusps



DENTAL HYGIENE HSSC-I

Time allowed: 2:35 Hours

Total Marks Sections B and C: 80

NOTE:- Answer any ten parts from Section 'B' and any three questions from Section 'C' on the separately provided answer book. Use supplementary answer sheet i.e. Sheet-B if required. Write your answers neatly and legibly.

SECTION – B (Marks 50)

Q. 2 Attempt any TEN parts. The answer to each part should not exceed 2 to 4 lines. (10 x 5 = 50)

- (i) What are Antibiotics?
- (ii) How is syncope treated in dental surgery?
- (iii) What is Plasma? What are its functions?
- (iv) What are the functions of periodontal ligament?
- (v) What are Ameloblasts? What are their functions?
- (vi) Define Alveolar bone. What are its type and functions?
- (vii) How does the dental lamina develop?
- (viii) What is the composition of enamel?
- (ix) What is Junctional epithelium and its clinical significance?
- (x) What is the clinical significance of gingival sulcus and fluid?
- (xi) How is lymph fluid formed?
- (xii) What is Apical foramen? What are the structures passing through it?
- (xiii) Name the muscles forming the floor of the mouth?
- (xiv) What are the functions of tongue?
- (xv) What are the various precautions you would take for oral prophylaxes of a patient having a history of Hepatitis C?

SECTION – C (Marks 30)

Note: Attempt any THREE questions. All questions carry equal marks. (3 x 10 = 30)

- Q.3** Draw and describe Mandible.
- Q.4** Describe the lymphatic drainage of head and neck.
- Q.5** Describe the Maxillary nerve.
- Q.6** Describe the Muscles of mastication.
- Q.7** Describe the problems of mentally handicapped patient who has come for dental treatment.