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Sig. of Candidate.

Answer Sheet

Sig. of Invigilator

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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) All the muscles of tongue are supplied by hypoglossal nerve except platoglossus which is supplied by _____.
- A. Trochlear nerve B. Facial nerve
C. Trigeminal nerve D. Accessory nerve
- (ii) The masseter muscle which is the part of muscles of mastication originates from the lower border of the zygomatic arch and inserts on to the _____.
- A. Medial surface of ramus of the mandible B. On coronoid process of mandible
C. Lateral surface of ramus of mandible D. On the pterygoid fovea
- (iii) The stenson's duct which is the duct of parotid gland opens into the oral cavity just _____.
- A. Opposite to the upper first molar B. Opposite to the upper second molar
C. Opposite to the lower first molar D. Opposite to the lower second molar
- (iv) Lingual artery which supplies the tongue and floor of mouth is branch of _____.
- A. External carotid artery B. Internal carotid artery
C. Femoral artery D. Radial artery
- (v) Elastic cartilage is found in the _____.
- A. External ear B. Articular surfaces of joints
C. Epiglottis D. Both A and C
- (vi) All the arteries in the body carry oxygenated blood except _____.
- A. Maxillary artery B. Occipital artery
C. Lingual artery D. Pulmonary artery
- (vii) Which of the following statements is **INCORRECT** about benign tumours?
- A. They are slow growing. B. They are often enclosed within a capsule.
C. They have the property of metastasis. D. They tend to be more round.
- (viii) Malignant connective tissue neoplasm are called _____.
- A. Papilomas B. Sarcomas
C. Adenomas D. Carcinomas
- (ix) Which of the following statements is **NOT TRUE** about the primary teeth?
- A. They are smaller than permanent teeth.
B. They are usually lighter in colour.
C. Roots of primary molars are not divergent.
D. Their crowns are more bulbous.
- (x) With aging, pulp of the teeth becomes _____.
- A. More vascular B. Less sensitive
C. Size of the pulp chamber increases D. Less fibrous

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DENTAL HYGIENE HSSC-I

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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 Answer any TEN parts. The answer to each part should not exceed 2 to 4 lines.

(10 x 5 = 50)

- (i) Describe stratified squamous epithelium.
- (ii) Briefly describe Voluntary and Involuntary muscles.
- (iii) List the types and layers of blood vessels.
- (iv) Name Endocrine glands and write one function of each.
- (v) What are the functions of Lymphatic system?
- (vi) Name the Intrinsic and Extrinsic muscles of tongue.
- (vii) What do you know about Amelogenesis?
- (viii) What is the composition of Enamel and Dentine?
- (ix) Write a short note on Pulp.
- (x) Describe briefly the stages of acute inflammation.
- (xi) Define the following terms:
 - a. Precancerous state of malignant tumour
 - b. Chemical carcinogens
- (xii) What are the advantages and disadvantages of ultrasonic scalar?
- (xiii) Classify bacteria according to shape.
- (xiv) List the types of surface disinfectants.
- (xv) Write a short note on Root planning.

SECTION – C (Marks 30)

Note: Attempt any THREE questions. All questions carry equal marks.

(3 x 10 = 30)

- Q.3** Mandibular nerve is an important mixed type of nerve which supplies lower teeth and muscles of mastication. Describe the intra-cranial and extra cranial-course of this nerve.
- Q.4** Explain the causes and clinical features of chronic inflammation.
- Q.5** Describe the importance of autoclave in the process of sterilization.
- Q.6** Enumerate the muscles of mastication. Discuss the process of mastication.
- Q.7** Describe the histological features of dentine.