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

Time allowed: 25 Minutes

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Note: Section – A is compulsory. All parts of this section are to be answered on the separately provided OMR Answer Sheet which 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 Choose the correct answer A / B / C / D by filling the relevant bubble for each question on the OMR Answer Sheet according to the instructions given there. Each part carries one mark.

- 1) Collection of nerve cell bodies outside brain is called:
A. Axon B. Synapse C. Nucleus D. Ganglion
- 2) The main nerve passing through foramen ovale is:
A. Mandibular nerve B. Palatine nerve
C. Ophthalmic nerve D. Lingual nerve
- 3) Which of the following is **NOT** found on first Mandibular molar?
A. Cusp of carabelli B. Distolingual cusp
C. Distobuccal cusp D. Mesiolingual cusp
- 4) The permanent upper canine erupts at the age of:
A. 8 years B. 10 years C. 9 years D. 12 years
- 5) The posterior 1/3 rd of the tongue has sensory nerve from:
A. Vagus nerve B. Inferior alveolar nerve
C. Mandibular nerve D. Glossopharyngeal nerve
- 6) All the muscles of tongue are supplied by hypoglossal nerve except palatoglossus which is supplied by:
A. Trochlear nerve B. Trigeminal nerve
C. Facial nerve D. Accessory nerve
- 7) Lingual artery which supplies to the tongue and floor of the mouth is a branch of:
A. External carotid artery B. Femoral artery
C. Internal carotid artery D. Radial artery
- 8) Malignant connective tissue neoplasm is called:
A. Papillomas B. Sarcomas
C. Adenomas D. Carcinomas
- 9) Which of the following vitamins has the antioxidant property?
A. Vitamin B B. Vitamin C
C. Mafenamic acid D. Acetylasaliclic acid

- 10) An average human adult contains approximately:
- A. 2 liters of blood B. 3 liters of blood
C. 7 liters of blood D. 6 liters of blood
- 11) Antibiotics are produced by:
- A. Red blood cells B. White blood cells
C. Plasma cells D. Platelets
- 12) Which is the protein involved in clotting of the blood?
- A. Albumin B. Globulin C. Prothrombin D. Thrombin
- 13) Immunoglobulin (Ig) is found in serum and on surface of most cells:
- A. IgA B. IgE C. IgG D. IgM
- 14) The most numerous papillas on tongue are:
- A. Filiform B. Fungiform C. Uniform D. Vallate
- 15) There are different chemical agents used in dentistry to control bleeding by means of vasoconstriction which of the following helps in vasoconstriction?
- A. Adrenaline B. Calcium hydroxide
C. Insulin D. Heparin
- 16) Principal fibers of the periodontal ligament are:
- A. Collagenous B. Collagen and Elastic
C. Elastic D. Reticular
- 17) Which of the following is contraindicated in the treatment of a pregnant woman?
- A. Paracetamol B. Tetracycline C. Amoxill D. Folic acid
- 18) With aging pulp of the teeth becomes:
- A. More vascular B. Less sensitive
C. Less vascular D. More fibrous
- 19) Elastic cartilage is found in the:
- A. External ear only B. Articular surfaces of joint
C. Epiglottis only D. Both External ear and Epiglottis
- 20) Calcium in the blood is regulated by:
- A. Pancreas B. Adrenal gland C. Thyroid gland D. Parathyroid gland



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) Define epithelium, write its functions.
- (ii) Write names of voluntary and involuntary muscles.
- (iii) List the types of blood vessels.
- (iv) Name endocrine glands.
- (v) What are the functions of lymphatic system?
- (vi) Draw and label diagram of heart.
- (vii) Define sterilization. List the various methods of sterilization.
- (viii) Draw and label the diagram of mandible.
- (ix) Names the instruments used in manual scaling.
- (x) What are the advantages and disadvantages of ultrasonic scalar?
- (xi) Define inflammation. Differentiate between acute and chronic inflammation.
- (xii) Pulp is a vital tissue, changes occur throughout life. Discuss briefly.
- (xiii) What is the management of unconscious patient?
- (xiv) What is neoplasm? Write down two main ways of its classification.
- (xv) Draw and label dorsal surface of tongue.

SECTION – C (Marks 30)

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

(3 x 10 = 30)

Q.3 Describe Chlohexidine.

Q.4 Name the branches of mandibular nerve.

Q.5 Describe the composition of saliva.

Q.6 Define immunity. Write briefly about cell-mediate immune response.

Q.7 Describe the lymphatic drainage of head and neck.

Result.pk