TRANSPORTE AND THE PARTY OF THE	Roll No.			
THE WALL TO SERVICE THE PROPERTY OF THE PROPER	Sig. of Cand	idate		

Answer Sheet No	
Sig of Invigilator	

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 co	orrect option i.e. A / B / C / D. Each part	carries	one mark.		
	(i)	All th	e muscles of tongue are supplied by hypo	oglossal	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					
		the z	ygomatic arch and inserts on to the				
		A.	Medial surface of ramus of the mandil	ole B.	On cronoid process of mandible		
		C.	Lateral surface of ramus of mandible	D.	On the pteyrigoid fovea		
	(iii)	The	stenson's duct which is the duct of parotic	l gland d	opens into the oral cavity just		
		A.	Opposite to the upper first molar	₿.	Opposite to the upper second molar		
		C.	Opposite to the lower first molar	D.	Opposite to the lower second molar		
	(iv)	Lingu	ual artery which supplies the tongue and f	loor of r	nouth is branch of		
		A.	External carotid artery	₿.	Internal carotid artery		
		C.	Femoral artery	D.	Radial artery		
	(v)	Elast	tic cartilage is found in the				
		A.	External ear	₿.	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	₿.	Occipital artery		
		C.	Lingual artery	D.	Pulmonary artery		
	(vii)	Whic	ch of the following statements is INCORR	ECT abo	out benign tumours?		
		A.	They are slow growing.	₿.	They are often enclosed within a capsule.		
		C.	They have the property of metastasis.	D.	They tend to be more round.		
	(viii)	ii) Malignant connective tissue neoplasm are called					
		A.	Papilomas	₿.	Sarcomas		
		C.	Adenomas	D.	Carcinomas		
	(ix)	Whic	ch of the following statements is NOT TR	UE abou	ut the primary teeth?		
		A.	They are smaller than permanent teet	h.			
		₿.	They are usually lighter in colour.				
		C.	Roots of primary molars are not diverg	gent .			
		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		

DO NOT WRITE ANYTHING HERE

				s Obtained:			
		•	Tota	l Marks:			
For Ex	amine	r's use only:					
	C.	Stratum cornium	D.	Stratum granulosum			
	Α.	Stratum germinatum	В.	Stratum spinosum			
(xx)	Flat cells which contain karatohyline granules are present in						
	C.	Plasma cells	D.	Platelets			
	A.	Red blood cells	В.	White blood cells			
(xix)	Antib	odies are produced by					
	C.	3 litres of blood	D.	6 litres of blood			
	A.	2 litres of blood	B.	10 litres of blood			
(xviii)	An average human adult contains approximately						
	C.	Stratum granulosum	D.	Stratum germinatum			
	A.	Stratum spinosum	B.	Stratum cornium			
(xvii)	Prickle cells are located in						
	C.	Thyroid gland	D.	Parathyroid gland			
	A.	Pancreas	В.	Adrenal gland			
(xvi)	Calcium in the blood is regulated by						
	C.	Vitamin C	D.	Vitamin D			
	A.	Vitamin B	B.	Vitamin E			
(xv)	Which of the following vitamins has the antioxidant property?						
	C.	Acetylsalicyclic acid	D.	Mefanamic acid			
	A.	Paracetamol	B.	Febrol			
(xiv)	Aspirin is also known as						
	C.	Palatine and nasal conchae	D.	Vomer and mandible			
	A.	Maxillary and zygomatic bone	B.	Nasal and lacrimal bone			
(xiii)	There are only two unpaired bones in the facial skeleton which are						
	C.	1 gm 4 times daily	D.	250 mg 4 times daily			
	A.	500 mg 4 times daily	B.	100 mg 4 times daily			
(xii)	The normal recommended dose of tetracycline for dental infection is						
	C.	12 years of age	D.	8 years of age			
	Α.	14 years of age	В.	10 years of age			

Page 2 of 2 (DH)

—— 1HA 1443 ——



DENTAL HYGIENE HSSC-I



Time allowed: 2:35 Hours

Total Marks Sections B and C: 80

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. $(10 \times 5 = 50)$

- Describe stratified sqamous epithelium. (i)
- (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:
 - Precancerous state of malignant tumour а
 - 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. $(3 \times 10 = 30)$

- Mandibular nerve is an important mixed type of nerve which supplies lower teeth and muscles of mastication. Q.3 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.