I – B.D.S. (2008 COURSE) : SUMMER: - 2020

SUBJECT: DENTAL ANATOMY, EMBRYOLOGY & ORAL HISTOLOGY

Day: Date:	Saturday 28.11.2020 52020 - 3791	Time: 9.00 A.M To 12.00 Max. Marks: 70 P.M.			
N. B. 1) 2) 3) 4)	All Questions are COMPULSORY. Draw neat labeled diagram WHEREVER necessary. Both the sections should be written in SEPARATE answer book Figures in the right indicates FULL marks.				
	SECTION-I				
Q. 1	Long Essay Enumerate the stages in the life cycle of an ameloblast. De Amelogensis.	scribe in detail			
	OR •				
	Define and classify Oral mucous membrane. Write in definucosa.	tail specialized			
Q.2	Write Short Essay on (any THREE) a) Hertwigs epithelial root sheath b) Theories of dentin sensitivity c) Hypercementosis d) Development of the Palate	(15)			
Q.3	Write Short Answer on (Any FIVE) a) Define Periodontium b) Functions of teeth c) Nutrient canals in the bone d) Enumerate types of Cementum c) Clinical significance of gnarled enamel f) Odland bodies SECTION-II	(10)			
Q. 4	Long Essay	(10)			
•	Describe in detail the morphology of permanent maxillary firs	st premolar.			
	OR Describe in detail the morphology of permanent mandibular se	ecund premolar.			
Q.5	 Write Short Essay on (any THREE) a) Theories of tooth eruption b) Phases of deglutition c) Compensating curves d) Decalcified section 	(15)			
Q.6	Write Short Answer on (Any FIVE) a) Define embrasures and spill ways b) Enumerate tooth numbering system c) Bon will's tringle d) Functions of maxillary sinus c) Define line angle and point angle with examples f) Manuellons	(10)			

I – BDS (2008 COURSE) : SUMMER 2020 SUBJECT : GENERAL HUMAN ANATOMY INCLUDING EMBRYOLOGY AND HISTOLOGY

Day: Tuesday Time: 9:00 AM. TO 12:00 NOON. Date: 24-11-2020 Max. Marks: 70 5-2020-378**9** N.B.: 1) All questions are **COMPULSORY**. 2) Figures to the RIGHT indicate full mark. 3) Draw neat labelled diagrams WHEREVER necessary. 4) Answer to both the sections should be written on SEPARATE answer books. SECTION - 1 Describe the thyroid gland under the following headings: parts, coverings, (10) Q.1relations, blood supply and applied anatomy..... OR Write a note on the posterior triangle of the neck under the following headings: boundaries, roof, floor, parts, contents and applied anatomy...... 0.2 Short essay questions (ANY THREE) (15)Synovial joints a) **b**) Orbicularis occuli musele Bronchopulmonary segments c) Classification of bones d) Q.3 Write short answer (ANY FIVE) (10)Which is the dangerous layer of the scalp and why? **a**) Explain Waldevers ting **b**) Explain cadaveric position of the vocal cords c) Give the nerve supply of submandibular salivary gland d) Name any four structures present in the stomach bed Give anterior relations of the right kidney f) SECTION - II Q.4 Describe the glossopharyngeal nerve under the following headings: origin (10) with functional components, intra cranial and extra cranial course, branches and distribution and applied anatomy..... Describe the blood supply of the face and its applied importance. 0.5 Short essay questions (ANY THREE) (15)Cavernous venous sinus a) Draw and explain the microscopic picture of liver b) Explain the embryogenesis of the face and its developmental anomalies c) **d**) Karyotyping Q.6 Write short answer (ANY FIVE) (10)a) Name four effects of fertilization Draw the microscopic picture of cardiac muscle Name any four features of Down's syndrome **c**) d) Name muscles derived from the first branchial arch Give the nerve supply and action of lateral pterygoid muscle e) Name any four branches of the external carotid artery

I – B.D.S. (2008 COURSE) : SUMMER: - 2020

SUBJECT: GENERAL HUMAN PHYSIOLOGY & BIOCHEMISTRY

		52020-3790	Time: 9,00A.N Max. Marks: 70	To 1200 P.M.			
Draw neat Both the se	labeled diagram WI ections should be wr	HEREVER necessary. itten in SEPARATE answer i	book	_			
SECTION-I							
		ge to them $(3.+5+2=10 \text{ marks})$					
OR							
Describe	mechanics of respira	ution					
a) Variob) Hom	ous waves in electroc costasis	EE of the following: cardiogram	(15)				
,	-	nes.					
 a) Enlis b) Enlis c) Enun d) State e) State 	at properties of skelet at steps of urine form merate actions of estr Frank Starling's law functions of gastric	al museles. ation ogens , juice	(10)				
	√, N	SECTION-II					
a note on	hormonal regulation	of serum calcium. (1+1+2+2 OR	+4)				
	-						
a) Ureab) Diagoc) Gluce	cycle nostic importance of ose tolerance test (G	enzymcs.	(15)				
 a) Draw b) Enun c) List f d) Defin e) Enlis 	and label tRNA nerate functions of clour B complex vitar ne ketosis and enlist thyperglycemic hor	holesterol nins with their active forms ketone bodies. mones.	(10) g agents				
	All Questi Draw neat Both the seripures to Draw and Add a nor Add a nor Add a nor Describe Write a) Varie b) Home e) Funce d) Action Answal Enliss b) Enliss c) Enum d) State e) State f) Enum Describe a note on What is maintenat Write a) Urea b) Diage c) Glue d) Jaund Answal Draw b) Enum c) List f d) Defit e) Enliss files Enliss files Enliss files Enliss files Enliss files fi	Draw neat labeled diagram Will Both the sections should be writing by the right indicates in Figures to the right indicates in Figures and a note on effect of damage. Describe mechanics of respirations waves in electrod by Homeostasis e) Functions of platelets d) Actions of thyroid hormon Answer Any FIVE of the angle in Figure 1 and a note on hormonal form the first indicate in Figure 2 and a note on hormonal regulation. Describe sources, RDA, funct a note on hormonal regulation. What is normal blood pH? I maintenance of blood pH. (1+ Write Notes on any THR a) Urea cycle b) Diagnostic importance of c) Glucose tolerance test (Gram Jaundice Answer Any FIVE of the angle in Jaundice Answer Any FIVE of the gram and label tRNA b) Enumerate functions of classifications of classifications and collistic in Jaundice i	All Questions are COMPULSORY. Draw near labeled diagram WHEREVER necessary. Both the sections should be written in SEPARATE answer Figures to the right indicates FULL marks. SECTION-I Draw and label dorsal column tracts. Describe their origin, c Add a note on effect of damage to them (3+5+2=10 marks) OR Describe mechanics of respiration Write Notes on any THREE of the following: a) Various waves in electrocardiogram b) Homeostasis c) Functions of platelets d) Actions of thyroid hormones. Answer Any FIVE of the following: a) Enlist properties of skeletal museles b) Enlist steps of urine formation c) Enumerate actions of estrogens d) State Frank Starling's law e) State functions of gastric juice f) Enumerate four properties of reflex action SECTION-II Describe sources, RDA, functions and deficiency manifesta a note on hormonal regulation of serum calcium. (1+1+2+2 OR What is normal blood pH? Describe the role of blood to maintenance of blood pH. (1+4+5) Write Notes on any THREE of the following: a) Urea cycle b) Diagnostic importance of enzymes. c) Glucose tolerance test (GTT) d) Jaundice Answer Any FIVE of the following: a) Draw and label tRNA b) Enumerate functions of cholesterol c) List four B complex vitamins with their active forms d) Define ketosis and enlist ketone bodies. e) Enlist hyperglycemic hormones.	All Questions are COMPULSORY. Draw neat labeled diagram WHEREVER necessary. Both the sections should be written in SEPARATE answer book Figures to the right indicates FULL marks. SECTION-I Draw and label dersal column tracts. Describe their origin, course and termination. (10) Add a note on effect of damage to them (3+5+2=10 marks) OR Describe mechanics of respiration Write Notes on any THREE of the following: (15) (16) All Various waves in electrocardiogram (17) Homeostasis (18) Answer Any FIVE of the following: (19) Enlist steps of urine formation Enumerate actions of estrogens (19) State Frank Starling's law (10) SECTION-II Describe sources, RDA, functions and deficiency manifestations of calcium. Add a note on hormonal regulation of serum calcium. (1+1+2+2+4) OR What is normal blood pH? Describe the role of blood buffers and kidney in maintenance of blood pH. (1+4+5) Write Notes on any THREE of the following: (15) Urea cycle D Diagnostic importance of enzymes. (16) Glucose tolerance test (GTT) d) Jaundice Answer Any FIVE of the following: (10) Answer Any FIVE of the following: (11) Answer Any FIVE of the following: (12) Answer Any FIVE of the following: (13) Answer Any FIVE of the following: (14) Answer Any FIVE of the following: (15) Diagnostic importance of enzymes. (16) Glucose tolerance test (GTT) d) Jaundice Answer Any FIVE of the following: (10) Enumerate functions of cholesterol (10) Elist four B complex vitamins with their active forms (16) Define denaturation Give two examples of denaturating agents			