## B.D.S. 2008 Course.

KAVERI-I (2008 COURSE): WINTER - 2016 SUBJECT: GENERAL HUMAN ANATOMY INCLUDING EMBRYOLOGY AND **HISTOLOGY** Time: 9.00 A.M. To 12.00 Nooy : Monday Max. Marks: 70. Date :07-11-2016 N.B.: All questions are COMPULSORY. 1) Both the sections should be written in SEPARATE answer books. 2) Figures to the RIGHT indicate full marks. 3) Draw neat labeled diagrams WHEREVER necessary. 4) SECTION-I (10)Q.1 Long Essay Questions (Any ONE) a) Describe the boundaries, contents and applied anatomy of Posterior triangle of b) Describe the origin, course, relations, branches and distribution of External Carotid artery. (15)Q.2 Short Essay questions (Any THREE) Synovial joints a) b) Superior Sagittal sinus Superior Mediastinum d) Relations and functions of Spleen. (10)Q.3 Write short answers (Any FIVE) a) Name four examples of Flat bones. b) Name neuroglial cells and give their functions. c) Name branches of Abdominal Aorta. d) Give function of Auditory tube. e) Name structures supplied by Phrenic nerve. Name nerves supplying the Teeth. SECTION-II (10)O.4 Long Essay Questions (Any ONE) a) Enumerate paranasal air sinuses. Describe the gross and applied anatomy of Maxillary Air Sinus. Describe the position, relations, nerve supply and applied anatomy of Parotid salivary gland. (15)Q.5 Short Essay questions (Any THREE) a) Development of Tongue. b) Karyotyping. Microscopic structure of Kidney. d) Microscopic structure of Suprarenal gland. (10)Q.6 Write short answers (Any FIVE) a) Give achievements of Fertilization.

b) Give derivatives of Rathke's pouch.

Draw and label microscopic structure of Testis.

Draw and label microscopic structure of Skeletal muscle.

Choroid plexus.

d) Functions of Cerebellum.

c)

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Draw and label microscopic structure of Testis.

Draw and label microscopic structure of Skeletal muscle.

KAVERI-I (2008 COURSE) : WINTER - 2016
SUBJECT : GENERAL HUMAN PHYSIOLOGY AND BIOCHEMISTRY

Day Date		ne: 9.00 A.M. To 12.00 ( k. Marks: 70.		
N.B.:	1) All questions are COMPULSORY. 2) Both the sections should be written in SEPARATE answer books. 3) Figures to the RIGHT indicate full marks. 4) Draw neat labeled diagrams WHEREVER necessary.			
	SECTION-I			
Q.1	Describe the process of Urine Formation.  OR	(10)		
	Describe the mechanism of Breathing.	×		
Q.2	<ul> <li>Write short note on (Any THREE)</li> <li>a) Process of Blood coagulation.</li> <li>b) Physiological actions of thyroid hormones.</li> <li>c) Functions of the Hypothalamus.</li> <li>d) Ovarian changes in menstrual cycle.</li> </ul>	(15)		
Q.3	Answer the following (Any FIVE)  a) Sarcomere  b) Hypovolemic shock c) Active transport d) Fever e) Taste Buds f) Defaecation reflex.	(10)		
	SECTION-II			
Q.4	Define enzymes. Describe the diagnostic, therapeutic at enzymes. $(1+5+2+2)$	nd analytical applications of (10)		
	Describe the Tricarboxylic Acid (TCA) cycle with its eamphibolic role. $(6 + 4)$	energetics. Add a note on its		
Q.5	Write short note on (Any THREE)  a) Jaundice  b) Glycosaminoglycans (GAGs)  c) Glucose Tolerance Test (GTT)  d) Vitamin C.	(15)		
Q.6	<ul> <li>Write short answers (Any FIVE)</li> <li>a) Enumerate the types and functions of lipoproteins.</li> <li>b) What is normal blood pH? Enumerate blood buffer</li> <li>c) Enumerate any four B-complex vitamins and their</li> <li>d) Enumerate the functions of Vitamin D.</li> <li>e) Enlist the hormones maintaining water and electron</li> <li>f) Define ketosis. Enumerate ketone bodies.</li> </ul>	active forms.		

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KAVERI-I (2008 COURSE) : WINTER - 2016
SUBJECT : GENERAL HUMAN PHYSIOLOGY AND BIOCHEMISTRY

Day Date	: Wednesday : 09-11-2016	Time: 9.00 A.M. To 12.00 Noo 4 Max. Marks: 70.
N.B.:	<ol> <li>All questions are COMPULSORY.</li> <li>Both the sections should be written in SEP</li> <li>Figures to the RIGHT indicate full marks.</li> <li>Draw neat labeled diagrams WHEREVER</li> </ol>	
	SECTION-I	معاملات المداد المعادلة والمعادلة والمعادلة المدار والمارة والمعادلة والماري المراكب والمراكبة والمستقد والمستقدات
Q.1	Describe the process of Urine Formation.  OR	(10)
	Describe the mechanism of Breathing.	<del>2</del> 1
Q.2	<ul> <li>Write short note on (Any THREE)</li> <li>a) Process of Blood coagulation.</li> <li>b) Physiological actions of thyroid hormones.</li> <li>c) Functions of the Hypothalamus.</li> <li>d) Ovarian changes in menstrual cycle.</li> </ul>	(15)
Q.3	Answer the following (Any FIVE)  a) Sarcomere  b) Hypovolemic shock c) Active transport d) Fever e) Taste Buds f) Defaecation reflex.	(10)
	SECTION-I	I
Q.4	Define enzymes. Describe the diagnostic, theraper enzymes. (1 + 5 + 2 + 2)  OR  Describe the Tricarboxylic Acid (TCA) cycle with	w W
Q.5		(15)
	<ul> <li>a) Jaundice</li> <li>b) Glycosaminoglycans (GAGs)</li> <li>c) Glucose Tolerance Test (GTT)</li> <li>d) Vitamin C.</li> </ul>	
Q.6	<ul> <li>Write short answers (Any FIVE)</li> <li>a) Enumerate the types and functions of lipopro</li> <li>b) What is normal blood pH? Enumerate blood</li> <li>c) Enumerate any four B-complex vitamins and</li> <li>d) Enumerate the functions of Vitamin D.</li> <li>e) Enlist the hormones maintaining water and en</li> <li>f) Define ketosis. Enumerate ketone bodies.</li> </ul>	their active forms.

## KAVERI-I (2008 COURSE): WINTER - 2016 SUBJECT : DENTAL ANATOMY, EMBRYOLOGY AND ORAL HISTOLOGY

S.			
Day	: Friday	Time: 9.00 A.M.To Max. Marks: 70.	12:00 Noon
Date	: 11.11-2016	With With	
N.B.:	COMPLI	ate full marks.	
Q.1	Define Enamel and discuss in detail	lifecycle of an ameloblast.  OR	(10)
	Describe the principle fibres of Perio	odontal ligament in detail.	
	Write short note on (Any THREE)	-	(15)
Q.2	a) Histology of palate		
	b) Functions of pulp		
	c) Development of tongue		
	d) Theories of dentine sensitivity.		(10)
Q.3	Answer the following (Any FIVE)		(10)
Q.5	Enumerate stages in developm	ent of tooth.	
	b) Differences between serous an	d mucous acini.	9 %
	<ul><li>c) Define alveolar bone</li><li>d) Enumerate types of cementum</li></ul>		
	- 1 of tooth or	uption	
	e) Enumerate theories of tooth of Give examples of decalcifying	agents.	
	1)	SECTION-II	
		11 1st molor	(10)
Q.4	Describe in detail morphology of p	permanent maxillary 1 moiai.	()
		OR	
	D in datail differences betw	een deciduous and permanent teeth.	
	Describe in detail differences seem		(15)
0	Write short note on (Any THREE	)	(13)
V	a) Tooth numbering systems	± ±	
	b) Compensating curves		
	c) Functions of teeth		
	d) Non-dental factors of occlusi	011.	and the second second second
^	(10)		
Q.	a) Define line angle and point a	ngle with example	
	a) Define line angle and point a b) Enumerate functions of maxi	llary sinus	
	c) Define cusp and ridge		
	d) Give examples of fixatives		
	n illi-tuionala	of mandibular second premolar.	
	f) Enumerate occlusal patterns	Of manatogram posons be-	
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## KAVERI-I (2008 COURSE): WINTER - 2016 SUBJECT: DENTAL ANATOMY, EMBRYOLOGY AND ORAL HISTOLOGY

Q1	,						
Day	: Fr		Time: 9.00 A.M.To Max. Marks: 70.	12.00 Noon			
Date	: 11-1	1-2016		<del></del>			
N.B.:	1) 2)	All questions are <b>COMPULSORY</b> .  Both the sections should be written in <b>SEP</b> .  Figures to the <b>RIGHT</b> indicate full marks.	ARATE answer books.				
47.84	3) 4)	Draw neat labeled diagrams WHEREVER	e necessary.				
Q.1	Define !	Enamel and discuss in detail lifecycle of an OR	ameloblast.	(10)			
	D 11	e the principle fibres of Periodontal ligamer	nt in detail.				
	Descrio	e the principle notes of 1 6126 to		(15)			
Q.2	Write s	hort note on (Any THREE)		(13)			
V	a) Hi	stology of palate					
	h) Fu	nctions of pulp					
	c) De	velopment of tongue					
	d) Th	neories of dentine sensitivity.					
		r the following (Any FIVE)		(10)			
Q.3	Answe	numerate stages in development of tooth.					
	a) D	ifferences between serous and mucous acini	i i				
	c) D	efine alveolar bone		25 17			
	d) F	numerate types of cementum					
	a) F:	numerate theories of tooth eruption					
	f) G	ive examples of decalcifying agents.					
SECTION-II							
			11 1st moler	(10)			
Q.4	4 Descr	ibe in detail morphology of permanent maxi	mary i moiai.				
		OR					
	_	ibe in detail differences between deciduous	and permanent teeth.				
	Descr	the in detail differences between decides is		22.50			
0.4	= XX7mi+o	short note on (Any THREE)		(15)			
Q.:		Tooth numbering systems					
	a) 1	Compensating curves	•				
	c) I	Functions of teeth					
	d) 1	Non-dental factors of occlusion.	*				
	(10)						
Q.	.6 Write	e short answers (Any FIVE)	mlo	(==)			
~~~	ره (	Define line angle and point angle will exam	ihie				
	b) :	Enumerate functions of maxillary sinus					
	c)	Define cusp and ridge					
	,	Give examples of fixatives					
	,	Bonwill's triangle Enumerate occlusal patterns of mandibular	second premolar.				
	f)	Enumerate occiusar patients of management					

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