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PSG COLLEGE OF ARTS & SCIENCE (AUTONOMOUS)

BSc DEGREE EXAMINATION DECEMBER 2019 (Third Semester)

Branch - NUTRITION, FOOD SERVICE MANAGEMENT AND DIETETICS

HUMAN PHYSIOLOGY

HUMANTITSIOLOGT			
Γime:	Three Hours	Maxim	num: 75 Marks
	SECTION-A (10 Marks) Answer ALL questions ALL questions carry EQUAL marks (10 x 1 = 10) develop from B-Lymphocytes.		
	(i) Plasma cells	(ii) Mast cells	
	(iii) Fat cells	(iv) Red blood cells	
	The exchange of gases between to	<u>e</u>	ed_
	(i) External respiration(iii) Medial respiration		
	The process of blood cell information is called		
	(i) erythropoiesis	(ii) Heamopoiesis	
	(iii) Reticulocytes	(iv) Erythroblast	
	The period of contraction is called (i) Diastole (ii) Systole		
	(iii) bradycardia	(ii) Systole(iv) Tachycardia	
	A finger like Appendix is located at the base of the		
	(i) Colon	(ii) duodenum	
	(iii) caecum	(iv) ileum	
	The basic functional unit of the kidney is		
	(i) Alveolus	(ii) Renal pyramid	
	(iii) Renal pelvis	(iv) Nephron	
	The structural unit of the nervous (i) Alveoli	s system 1s (ii) Nephron	
	(iii) Neuron	(iv) Leucocyte	
	Nasal cavity is lined with .		
	(i) Mucous membrane	(ii) basilaemembrane	
	(iii) Tympanum	(iv) corneous membrane	
The clusters of cells in the pancreas that produce hormones are the			the
	(i) Nodules	(ii) Islets of langerhans	
	(iii) Pancreatic medulla	(iv) pancreatic cortex	
10	The fertilization usually take place in		
	(i) cervix (iii) utenis	(ii) Vagina (iv) oviduct	
	(iii) ateins	(11) Orlande	
SECTION - B (25 Marks)			
Answer ALL questions ALL questions carry EQUAL Marks $(5x5 = 25)$			
ALL questions carry EQUAL Marks $(3x3 - 23)$			

11 a Narrate the functions of plasma proteins.

Cont...

12 a Draw the structure of heart and explain the parts.

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- b Explain the origin and conduction of heartbeat.
- 13 a Point out the functions of saliva and gastric juices.

OR

- b Draw and describe the structure of kidney.
- 14 a Depict the nerve cell and identify the parts.

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- b Explain the Eye structure with parts.
- 15 a Explain the structure and functions of Thyroid gland.

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b Illustrate the structure of Female reproductive system.

SECTION -C (40 Marks! Answer ALL questions

ALL questions carry EQUAL Marks

(5x8 = 40)

16 a Explain the structure and functions of epithelial cells.

OR

- b Comment on Blood coagulation.
- 17 a Explain the cardiac cycle with suitable diagrams.

OR

- b Describe the structure of respiratory tract.
- 18 a Discuss the movements of the intestines.

OR

- b Elaborate the mechanism and formation of urine.
- 19 a Explain the structure and functions of cerebellum.

OR

- b Discuss he common eye defects.
- 20 a Outline the structure and functions of adrenal glands.

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b Summarise the phases of menstrual cycle.

Z-Z-Z

END