SS/BSN-I/AAAP/05-23

2023

(May)

APPLIED ANATOMY AND APPLIED PHYSIOLOGY

Full Marks: 75

Time: 3 hours

The figures in the margin indicate full marks for the questions

Answer all questions

Write the answers to the two Sections in separate Answer Booklets.

SECTION - A (37 Marks)

- 1. What are the different parts of female reproductive system? Describe briefly about the uterus with suitable diagram and label it. (7+3 = 10)
- 2. Write in brief: (any three)

 $(3 \times 2 = 6)$

- a) Chambers of heart
- b) Parts of urinary system
- c) Types of muscles
- d) Types of joints
- 3. Write short notes on (any three).

 $(3 \times 5 = 15)$

- a) Histology of liver
- b) Pituitary gland
- c) Epithelial tissue
- d) Tongue

(Turn over)

4.	Fill in th	e blanks: (6 X 1 = 6)			
-T.	a)	is the structural and functional unit of nervous system			
		Goblet cells are cell glands.			
		Vertebrae are shaped bones.			
	c)				
	d)	The smallest bone in our body is			
	e)	The two hormones secreted by the ovary are estrogen and			
	f)	Two subdivisions of autonomic nervous system are sympathetic and			
<u>SECTION – B</u> (38 Marks)					
5.	a) V b) F	e the correct option from the following: (7 X 1 = 7) //hich one of the following can be found in Pancreatic juice? //. Trypsinogen ii. Pepsinogen iii. Lysozyme v. Pepsin at digestion occurs in: ii. Small intestine iii. Large intestine iii. Stomach v. Duodenum //hat is the ratio of WBC and RBC in the body? i. 1: 60 iii. 1: 600 iv. 1: 60000 //hich of the following is the functional unit of human nervous system? i. Brain			
	e)	ii. Axon iii. Dendrite iv. Neuron Vhich of the following cell in the pancreas make insulin? i. Epithelial cell ii. Hepatic cell iii. Germ cell iv. Islet cell (Turn over)			

f)	Which of the following control breathing rate in human?		
	i.	Cerebellum	

- Hypothalamus
- iii. Medulla Oblongata
- iv. Thalamus
- Which part of the eye gives it a distinctive color?
 - i. Cornea
 - ii. Pupil
 - Iris iii.
 - Retina iv.
- 6. Very short questions (any three): $(3 \times 2 = 6)$
 - a) What is cardiac output?
 - b) Functions of respiratory system.
 - c) Functions of uterus
 - d) Fúnctions of neuron
- 7. Write short notes: (any three):a) Mechanism of urine formation

 $(3 \times 5 = 15)$

- b) Functions of skin
- c) Growth hormone
- d) Reflex arc
- e) Functions of gastric juice
- 8. What are the compositions of blood? Describe the functions of blood.

(4 + 8 = 10)

OR

Define blood pressure. Explain in details about the important factors affecting blood pressure. (2 + 8 = 10)

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