



Enrollment No.....

Faculty of Science

End Sem (Odd) Examination Dec-2022

FS3CO03 Human Anatomy

Programme: B.Sc.(Hons)

Branch/Specialisation: Forensic
Science**Duration: 3 Hrs.****Maximum Marks: 60**

Note: All questions are compulsory. Internal choices, if any, are indicated. Answers of Q.1 (MCQs) should be written in full instead of only a, b, c or d.

- Q.1 i. Which part of cell structure makes proteins? **1**
 (a) Mitochondria (b) Ribosomes
 (c) Nucleus (d) Lysosomes
- ii. In which part of the body food gets absorbed- **1**
 (a) Stomach (b) Liver
 (c) Small intestine (d) Large intestine
- iii. In which part of the body digestion of protein begins- **1**
 (a) Pancreas (b) Stomach
 (c) Small Intestine (d) Large Intestine
- iv. Which bone protects the brain? **1**
 (a) Calcium (b) Cranium (c) Cerebellum (d) Cerebrum
- v. Which of the following nerve transmits sensory information to your brain regarding smells? **1**
 (a) Oculomotor (b) Olfactory
 (c) Trigeminal (d) Optic
- vi. _____ matured cell does not have nucleus. **1**
 (a) RBC (b) WBC (c) Platelets (d) All of these
- vii. _____ blood group is called universal recipient. **1**
 (a) A positive (b) B positive (c) AB positive (d) O positive
- viii. _____ joint does not come under synovial joint. **1**
 (a) Ball & socket joint (b) Pivot joint
 (c) Saddle joint (d) None of these
- ix. Appendicular skeleton contains bones in number- **1**
 (a) 86 (b) 126 (c) 96 (d) 118

- x. Which of the cell secret gastric acid in stomach? **1**
 (a) Parietal cells (b) Chief cells
 (c) Acidic cells (d) Peptic cells

- Q.2 i. What do you mean by cell organisation? Mention the levels of organisation found in animals. **2**
 ii. Mention any three types of cell with their function. **3**
 iii. State the differences between prokaryotic cell and eukaryotic cells. **5**
 OR iv. With the help of well labelled diagram, explain the structure of animal cell and explain any three organelles. **5**


- Q.3 i. Mention the different types of bones with examples. **2**
 ii. What do you mean by ossification? Explain the process of bone formation with the help well labelled diagram. **8**
 OR iii. With the help of well labelled diagram, explain axial skeleton system. **8**

- Q.4 i. Explain the structure and functions of neuron cell. **3**
 ii. Write the differences between sympathetic and parasympathetic nervous system. **7**
 OR iii. Explain the structure of brain and also mention the function of each parts of brain. Support your answer with a well labelled diagram. **7**

- Q.5 i. Describe the structure and the function of arteries. **4**
 ii. Explain about the anatomy of heart with the help of labelled diagram. **6**
 OR iii. What is the site of exchange of gases in lungs? Explain the structure of lungs with well labelled diagram. **6**

- Q.6 Attempt any two: **5**
 i. Write a short note on Salivary glands. **5**
 ii. State the structure and function of intestine. **5**
 iii. Describe the structure of stomach. **5**

Scheme of Marking

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Note: The Paper Setter should provide the answer wise splitting of the marks in the scheme below.

Q.1	i)	b. Ribosomes	1
	ii)	c. Small intestines	1
	iii)	b. Stomach	1
	iv)	b. cranium	1
	v)	b. Olfactory	1
	vi)	a. RBC	1
	vii)	c. AB Poistive	1
	viii)	c. Saddle joint	1
	ix)	b. 126	1
	x)	a. Parietal cells	1
Q.2	i.	Definition	1
		Levels	1
	ii.	3 types	1
		Functions	2
	iii.	5 differences	5
OR	iv.	Diagram with 4 labelled organelles	2
		Functions of 3 organelles	3
Q.3	i.	Types	1
		Examples	1
	ii.	Ossification	2
		Process	4
		Diagram	2
OR	iii.	No. of bones	2
		Axial skeleton	2
		Diagram with all bones labelling	4

Q.4	i.	Diagram with labelling	1
		2 Function	2
	ii.	7 differences	7
OR	iii.	Parts	2
		Functions	3
		Diagram with labelling	2
Q.5	i.	Structure	2
		functions	2
	ii.	Well labelled diagram	3
		Parts explanation	3
OR	iii.	Site of exchange of gases name	1
		Diagram with labelling	3
		Functions	1
Q.6			
	i.	Types with explanation	5
	ii.	Parts and function	3
		Diagram	2
	iii.	Parts and function	2
		diagram	3
