	Sanjay Ghodawat University, Kolhapur Established as State Private University under Govt. of Maharashtra. Act No XL, 2017	2023-24 EXM/P/09/00

Year and Program: **F.Y.B. Pharmacy**	**School of Pharmaceutical Sciences**	**Department : Pharmacy**
Course Code : BP101T	**Course Title :** **HUMAN ANATOMY & PHYSIOLOGY I**	**Semester – SEM-I**
Date:11/12/2023 **Day :Monday** **Time:1.30am-1.30pm**	**Examination: End Semester Exam**	**Max Marks: 75**

Instructions: 1) All questions are compulsory.
2) Draw a neat labeled diagram if necessary.

Q.1		Marks	Bloom's Level	CLO
		20		
a	Trigeminal nerve play role in a. Sense of smell b. Sense of sight c. Chewing, sensing from the face d. Sense of taste	01	01	CLO1
b	Sound that is softer; is due to closure of aortic & pulmonary valves is a. Lub b. Dub c. Both d. None	01	01	CLO1
c	Connective tissues develops from a. Ectoderm b. Mesoderm c. Endoderm d. All the above	01	01	CLO1
d	The right atrioventricular valve or tricuspid valve have a. 1 flap/cusps b. 2 flap/cusps c. 3 flap/cusps d. 4 flap/cusps	01	01	CLO2
e	The component which separate the internal component of cell from extracellular material known as…. a. Nucleus b. Golgi apparatus c. Cell membrane	01	01	CLO1

ESE

SANJAY GHODAWAT UNIVERSITY, KOLHAPUR
SGU Library Copy
LIBRARY

	d. Lysosomes			
f	Longest and strongest bone in the body is a. Humerus b. Radius & Ulna c. Femur d. Tibia fibula	01	01	CLO1
g	Areolar tissue, adipose tissue and reticular tissues are types of a. Loose connective tissue b. Dense connective tissue c. Cartilages d. Bone tissues	01	01	CLO1
h	In which phase, Nuclear membrane disappears and chromosome material arrange themselves at the centre of a cell a. Prophase b. Metaphase c. Anaphase d. Telophase	01	01	CLO1
i	Elbow and knee joint is an example of a. Ball & Socket joint b. Hinge joint c. Gliding joint d. Pivot joint	01	01	CLO2
j	Powerhouse of energy inside cell is a. Nucleus b. Golgi apparatus c. Mitochondia d. Flagella	01	01	CLO1
k	Deposition of uric acid in joints is a. Gout b. Rheumatoid arthritis c. Spondylitis d. Osteoarthritis	01	01	CLO3
l	Fusion of ileum, ischium, pubis form the a. Hip bone b. Scapula c. Sacrum d. Coccyx	01	01	CLO1
m	Anemia develops because of Bone marrow depression is a. Megaloblastic anemia b. Pernicious anemia c. Aplastic anemia d. Sickle cell anemia	01	01	CLO2

ESE

n	Retina cones consist of which pigments? a. Red b. Blue c. Green d. All the above	01	01	CLO1
o	Increase in intraocular tension leads to a. Night blindness b. Colour blindness c. Glaucoma d. Myopia	01	01	CLO2
p	Which cell organelle is called as suicidal bag? a. Chromosomes b. Lysosome c. Ribosome d. Liposome	01	01	CLO1
q	Olfactory nerve play role in a. Sense of smell b. Sense of sight c. Moving the eyeball d. Sense of taste	01	01	CLO1
r	Agranulocytes consist of a. Neutrophils b. Basophils c. Lymphocyte d. Eosinophil	01	01	CLO2
s	The taste buds consist of which nerves? a. Glosso pharyngeal nerve b. Facial nerve c. Vagus nerve d. All the above	01	01	CLO2
t	Exchange of gases and nutrients takes place through a. Arteries b. Veins c. Capillaries d. All of the above	01	01	CLO2
Q.2	**Long Answers (Answer 2 out of 3)**	**20**		
a	Draw a well labeled diagram of a simple living cell. Enlist components of a cell & Give functions of cell organelles	10	03	CLO1
b	Draw a labeled diagram & discuss structure of a heart. Explain flow of blood through heart.	10	03	CLO4

ESE

	Name the bones forming cranium & thoracic cage. Define & Classify joints with examples of each class.	10	02	CLO2
Q3	**Write short answers (Answer 7 out of 9)**	**35**		
a	Name the various types of epithelial tissues. Explain any one.	05	01	CLO1
b	Define 'blood clot'. Explain mechanism of blood clotting. Mention factors affecting same.	05	02	CLO5
c	Draw the structure & give the functions of skin.	05	03	CLO2
d	Describe in brief the cardiac cycle.	05	01	CLO5
e	Write functions & disorder of the ear.	05	03	CLO4
f	Name the parts & write the functions of lymphatic system.	05	03	CLO4
g	Classify bones based on their microscopic structure. List important functions of bones.	05	01	CLO3
h	Describe vertical section of eye ball.	05	03	CLO4
i	Draw the structure & write the functions of mitochondria.	05	03	CLO4

ESE