

Enrollment No: _____

Exam Seat No: _____

C.U.SHAH UNIVERSITY

Winter Examination-2022

Subject Name: Human Anatomy and Physiology I – Theory**Subject Code: BP101T****Branch: B.Pharm****Semester: 1****Date: 13/03/2023****Time: 10:30 To 01:30****Marks: 75**

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
- (2) Instructions written on main answer book are strictly to be obeyed.
- (3) Draw neat diagrams and figures (if necessary) at right places.
- (4) Assume suitable data if needed.

- Q-1 Elaborate the following questions: (20)**
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|----------|-------------------------------------|----------|
| A | Coagulating factors | 2 |
| B | Free radical | 2 |
| C | Circadian rhythm | 2 |
| D | Abundant atoms in the body | 2 |
| E | Sarcoplasmic reticulum | 2 |
| F | Mandible | 2 |
| G | Rigor mortis | 2 |
| H | Isotonic and isometric contractions | 2 |
| I | Physiology of taste | 2 |
| J | Eye disorders | 2 |
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- Q-2 Attempt any two of following: (20)**
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|----------|--|-----------|
| A | Draw a schematic diagram of skin detailing about layers and write the functions of it. | 10 |
| B | Origin and functions of cranial nerves | 10 |
| C | Define homeostasis. Enlist the various body systems involved in homeostasis. Discuss positive and negative feedback mechanism. | 10 |
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- Q-3 Attempt any Seven of following: (35)**
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| A | Mechanism and physiology of hearing | 5 |
| B | Haemopoiesis | 5 |
| C | Different types of anaemia | 5 |
| D | Male and female pelvis difference | 5 |
| E | Difference between sympathetic and parasympathetic nervous system | 5 |
| F | Draw and label a normal ECG. Relate the P, QRS, and T waves to the atrial and ventricular action potentials. | 5 |
| G | Physiology of skeletal Muscle Contraction with a labelled diagram | 5 |
| H | Explain the mechanism of coagulation? and disorders on clotting | 5 |
| I | Joint types, location, and movement types | 5 |

