

B. Pharm. (CBCS Pattern) Semester-I  
**BP101T - Human Anatomy and Physiology-I**

P. Pages : 1

Time : Three Hours



**GUG/W/24/10870**

Max. Marks : 75

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- Notes :
1. Diagrams and Chemical equation should be given wherever necessary.
  2. Illustrate your answers wherever necessary with the help of neat sketches.
  3. All questions are compulsory.

1. Answer the following, all are compulsory. **10x2**  
**=20**
  - a) Define anatomy and physiology.
  - b) Give the functions of cell.
  - c) Give the functions of blood.
  - d) Classify the epithelial tissue.
  - e) What is intracellular signaling?
  - f) What are the cell organelles give its names.
  - g) What is coagulation, give its 4 advantages.
  - h) Give the composition of blood.
  - i) Give the functions of lymph node.
  - j) Give the classification of joints.
  
2. Solve the following (**Any two**) **2x10**  
**=20**
  - a) What is homeostasis; give the negative feedback mechanism in detail.
  - b) Describe the physiology of muscle contraction.
  - c) Describe the reticulo endothelial system.
  
3. Solve the following (**Any Seven**) **7x5**  
**=35**
  - a) Write a short note on cell junctions.
  - b) Write in brief about forms of cell signaling.
  - c) Describe connective tissue.
  - d) Give the silent features of appendicular skeletal system
  - e) Explain the tissue, structure, location and function of epithelial tissue.
  - f) Write a note on neuromuscular junction.
  - g) Explain the formation of hemoglobin.
  - h) Give the functions of parasympathetic nervous system.
  - i) Describe conduction system of heart.

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