

**First Semester B.Pharm Degree Regular/Supplementary Examinations**  
**October 2021**  
**Human Anatomy and Physiology**  
**(2017 Scheme)**

**Time: 3 Hours**

**Max. Marks: 75**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

**Essay**

**(2x10=20)**

1. Classify cranial nerves, explain in detail about innervations and functions
2. Explain about the physiology of skeletal muscle contraction

**Short Notes**

**(7x5=35)**

3. Explain mechanism of transport across cell membrane
4. Anatomy and functions of skin
5. Explain the regulation of B.P
6. Explain about lymph node
7. Mechanism of coagulation
8. Explain parasympathetic nervous system
9. Describe the anatomy and functions of eye

**Answer Briefly**

**(10x2=20)**

10. Explain the structure and functions of arteries
11. Significance of ESR
12. Nasal septum
13. Explain the functions of spinal nerves
14. Importance of blood grouping
15. Explain the division of skeletal system
16. Connective tissue
17. Explain the steps in endocrine intracellular signaling
18. Principles of cell communication
19. Define homeostasis, thrombocytopenia

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