

Q.P. Code: 105007

Reg. No.:.....

**First Professional BUMS Degree Supplementary Examinations
February 2022**

Munafe UI Aza (Physiology) – Paper I

(2015 Scheme)

Time: 3 hrs

Max Marks: 100

- *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*

Essays

(2x15=30)

1. Define cell division. Describe in detail different stages of mitotic cell division (Taqseem-e-khulliya ki tareef bayan karye aur mitotic cell division ki mukhtalif darjat tafseel sey tahreer karye).
2. Define cardiac cycle. Describe in detail events of cardiac cycle (Daura-e-qalbi ki tareef aur mukhtalif darjaat tafseel sey bayan karye).

Short Notes

(8x5=40)

3. Describe plasma membrane and its function (Gisha-ul-Khulliya aur uskey afaal).
4. Columnar tissue and its function (Naseej istavaniya aur uskey afaal).
5. Composition of plasma (Mahiyat-ud-Dam ki ajzaaye tarkeebi).
6. Types of granulocytes and their functions (Danedar kurriyat-e-Baiza ki aqsaam aur unkey afaal).
7. Functions of platelets (Aqras-e - Damwia key afaal).
8. Vitamin D sources, daily dose and deficiency sign (vitamin D key maakhaz, miqdar khurak aur kami ki alaamat tahreer kaey).
9. Functions of lymph (Lymph key afaal).
10. First and second heart sound (Qalb ki pheli aur doosri awaz).

Answer Briefly

(10x3=30)

11. Functions of WBCs (Kurriyat-e-Baiza key afaal).
12. Definition of physiology and its importance (Munafe-ul-Aza ki tareef aur ahmiyat)
13. Fixed reticuloendothelial cells.
14. Functions of hemoglobin (Hamratuddam key afaal).
15. Definition of ECG.
16. Mitochondria.
17. Definition of cardiac cycle and cardiac cycle time.
18. Squamous epithelial tissue.
19. Functions of rough and smooth endoplasmic reticulum.
20. Hyper-vitaminosis
