

Q.P. Code: 105007

Reg. No.:.....

**First Professional BUMS Degree Supplementary Examinations
January 2023**

Munafe UI Aza (Physiology) – Paper I

(Common for 2015 and 2016 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 cardiac cycle. With the help of diagram explain events of cardiac cycle in details. Duara-e-qalbi ki tareef bayan karye aur iske mukhtalif darjaat ko shakal ki madad se tafseel se bayan karye).
2. Define the erythropoiesis and write the stages and necessary factors for maturation of RBCs (Kurriyat-e-hamra ki tauleed ki tareef karye aur iske darjaat aur pukhtagi ke liye zaroori awamil ko bayan karye).

Short Notes

(8x5=40)

3. Synthesis of Hb (Hamratuddam ki tarkeeb).
4. Define connective Tissue, its types and function.
5. Transitional epithelium (Bushra-e-inteqaaliya).
6. Mitochondria.
7. Blood group (Jamatud-dam).
8. Types of WBCs and their functions (Kurriyat-e-baiza ke aqsaam aur unke afaal).
9. Plasma membrane (Gisha-u-khuliya).
10. Rh factor.

Answer Briefly

(10x3=30)

11. Bone cells (Khuliyate-azmi).
12. Columnar tissue (Naseej-istavaniya).
13. Nucleus (Markaza).
14. Definitions of cell division and its types (Taqseeme khuliya ki tareef aur iske aqsaam).
15. Composition of lymph (lymph ki tarkeeb).
16. Blood transfusion (inteqaalud-dam).
17. Properties of cardiac muscles (Azlae-qalb ki khusoosiyat).
18. White fibrous tissue (Naseej-e-leefi abyaz).
19. Basal metabolic rate.
20. Vitamin D deficiency signs (Vitamin D ki kami ki alamaat).
