

Q.P. Code: 105007

Reg. No.:.....

**First Professional BUMS Degree Regular/Supplementary  
Examinations April 2021  
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 special junctional tissues of the heart, their types, functions and describe in detail about heart blocks (Qalb ke makhsoos ittesali ansaja aur sukoot-e-qalbia).
2. Describe in detail ABO blood group system and blood transfusion

**Short Notes**

**(8x5=40)**

3. Describe nucleus and its function (Markaza aur uskey afaal).
4. Adipose tissue and its function (Naseej Shahmi aur uskey afaal).
5. Functions of plasma protein (Mavaade lahmiya key afaal).
6. Stages of development of R.B.Cs. (kurriyat-e- Humra key mukhtalif darjat-e-numo).
7. Structure of platelets (Aqras-e - Damwia ki sakht).
8. Vitamin C sources, daily dose and deficiency sign (vitamin C key maakhaz, miqdar khurak aur kami ki alaamat tahreer kaey).
9. Definition and composition of lymph (Lymph ki taareef aur tarkeeb).
10. Valves of the heart and their action (Samamaat-e-qalbia aur afaal).

**Answer Briefly**

**(10x3=30)**

11. Functions of RBCs (Kurriyat-e-Humra key afaal).
12. Definition of vitamins (Hayateen ki tareef)
13. Wandering reticuloendothelial cells.
14. Systemic and pulmonary circulation.
15. P wave of ECG.
16. Lysosomes.
17. Describe origin, insertion, nerve supply, action of sternocleidomastoid and its relation with external jugular vein
18. Transitional epithelial tissue.
19. Functions of platelet.
20. Hyper-vitaminosis A

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