

**Q.P. Code: 105007**

**Reg. No.:.....**

**First Year BUMS Degree Examinations October 2018**

**Munafe UI Aza (Physiology) – Paper I**

**(2015 Scheme)**

**Time: 3 hrs**

**Max Marks: 100**

- **Answer all the Questions**
- **Draw diagram wherever necessary**

**Essays**

**(2x15=30)**

1. Explain fat metabolism (Shahem ka istehala) in detail
2. Draw and explain splenic circulation with functions (Dawrane khoon tihali aur afaal)

**Short Notes**

**(8x5=40)**

3. Explain vitamin E (Hayateen E)
4. Classify and explain connective tissue (Naseeje wasil ki taqseem tafseelse)
5. Explain formation of erythrocyte (R.B.C) (Kuriyate humra ki paidaish)
6. Explain properties of cardiac muscles (Naseeje azli ki khususiyate)
7. Explain cell division (Taqseemul khalia)
8. Write a note on ECG
9. Explain cardiac cycle (Dawrae qalbi)
10. Types and functions of plasma proteins (Saiyale damvi ki qisme our afaal)

**Answer Briefly**

**(10x3=30)**

11. Sources and deficiency manifestations of vitamin C (Hayateen jim ke zarae our kami ki alamate)
12. Causes of decrease of blood volume (Dam ke Hajam ki kami ke asbaab)
13. Blood bank (Damvi Bank)
14. Functions of hemoglobin (Haemoglobin ke afaal)
15. Blood groups (Jamatuddam)
16. Adipose tissue (Naseeje shehmi)
17. Properties of skeletal muscles (Azlate Haikal ki khususiyat)
18. Valves of heart (Samamate qalbi)
19. Define Beri Beri and mention its types (Marze Beri Beri)
20. Variations in heart rate (raftare qalb me ikhtelaaf)

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