

B. SC. DEGREE END SEMESTER EXAMINATION - OCTOBER 2018**SEMESTER – 3: ZOOLOGY (COMPLEMENTARY COURSE)****COURSE: 15U3CPZ003, HUMAN PHYSIOLOGY AND IMMUNOLOGY***(For Regular 2017 Admission and Supplementary / Improvement 2016, 2015 Admissions)*

Time: Three Hours

Max. Marks: 60

PART A*Answer all of the following.*

1. What is hypoxia?
2. What is all or none law?
3. Define rigormortis?
4. What is BCG?
5. Write short notes on dialysis.
6. Define hapten.
7. Write short notes on EEG.
8. Write short notes on VDRL test.

(1 x 8 = 8)

PART B*Answer any six of the following.*

9. Comment on MHC.
10. Distinguish between active and passive immunity.
11. Write notes on Islets of Langerhans.
12. Give a brief account on vitamin deficiency.
13. Write notes on neurotransmitters.
14. Explain briefly the hormonal control of renal function.
15. Describe briefly the types of muscles.
16. What is CO poisoning?

(2 x 6 = 12)

PART C*Answer any four of the following.*

17. Write notes on hormonal disorders.
18. Write notes on complement system.
19. Elaborate hybridoma technology.
20. Define synapse. Add notes on synaptic transmission of impulse.
21. Give an account of the composition of blood
22. Explain the transport of carbon dioxide

(4 x 4 = 16)

PART D*Answer any two of the following.*

23. Give an account of structure and various classes of Immunoglobins.
24. Describe the ultra-structure of a striated muscle. Add note on the mechanism of muscle contraction.
25. Describe the mechanism of blood clotting.
26. Explain the process of urine formation.

(12 x 2 = 24)
