

**Time: Three Hours****Max. Marks: 100 Marks****PATHOLOGY - PAPER I (RS3)****QP Code: 1081**

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAYS**2 x 10 = 20 Marks**

1. Define and classify shock. Describe the pathogenesis of septic shock.
2. Define and classify anemia. Describe the pathogenesis, peripheral blood picture and investigations in sickle cell anemia.

SHORT ESSAYS**10 x 5 = 50 Marks**

3. Fatty change.
4. Factors affecting wound healing.
5. Anaphylaxis.
6. Congenital syphilis.
7. Air embolism.
8. Metastasis.
9. Scurvy.
10. Features of Down Syndrome.
11. Leukemoid reaction.
12. Von Willebrand disease.

SHORT ANSWERS**10 x 3 = 30 Marks**

13. Differences between transudate and exudate.
14. Three patterns of necrosis with examples.
15. Three opportunistic infections in HIV infection.
16. Primary complex.
17. Three hypercoagulable states.
18. Red blood cell indices.
19. CSF findings in tuberculous meningitis.
20. Bombay blood group.
21. Agranulocytosis.
22. Three causes of thrombocytopenia.
