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RNLKWC/B.Sc.-CBCS/IIIS/PHY/H/SEC1T/22

2022

Physiology

[HONOURS]

(CBCS)

(B.Sc. Third Semester End Examination-2022)

PAPER-SEC1T

[Haematological Techniques]

Full Marks: 40

Time: 02 Hrs

The figures in the right hand margin indicate marks

Candidates are required to give their answers in their own words as far as practicable

Illustrate the answers wherever necessary

1. Answer any two questions of the following: 2x2=4
 - a) What is Bombay phenotype?
 - b) What is pernicious anaemia?
 - c) Give two example of blood born diseases.
 - d) State the significance of prothrombin time.

2. Answer any two questions of the following: 2x4 = 8
 - a) Explain the immunological basis of ABO blood group identification. 4

(2)

- b) What do you mean by blood transfusion? What precaution should be maintained during blood transfusion process? 1+3
- c) What is TC & DC test? Mention their significance. 2+2
- d) Explain ESR and PCV with clinical significance. 2+2

3. Answer any one question: 1x8 = 8

- a) What do you mean by thalassemia minor & major? What are the symptoms of thalassemic patient? Mention the importance of blood bank. 4+2+2
- b) Write a short note on
- i) Sickle cell anemia
- ii) ACD solution 4+4
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