AB-3193

Third Year B. Sc. (Sem. V) (CBCS) Examination
March / April – 2015
MT - 14 : Haematology
(New Course)

Time : Hours] [Total Marks : 50

Instructions :
(1) 

(2) Draw a neat labelled diagram where necessary.

(3) Figures to the right indicate full marks of the question.

1 Answer the following : 8

(1) State the Principle and advantages of Cyanmethaemoglobin method.

(2) Give the reasons for abnormal Staining of Peripheral Blood Smear.

(3) Explain R form and T form of Haemoglobin.

(4) What is PAS ? Give it Significance.

2 Answer any two of the following : 14

(1) Describe the synthesis of Haemoglobin and Explain in detail variants of Normal Haemoglobin.

(2) Differentiate between arterial and venous blood Composition and Describe the Procedure for venous blood collection and its applications.

(3) Enlist different stages of Normal Haematopoiesis and explain the process of Thrombopoiesis in detail.

[Contd...
3 Explain any **one** of the following:

1. Megaloblastic Anaemia.
2. Chronic Myeloid Leukaemia is a Myeloproliferative disorder.

4 Discuss any **two** of the following:

1. Blood indices and its significance
2. Neutrophilia and Eosinophilia
3. ESR Vs. PCV.