

**T.Y.B.SC. SEM – V (2014 COURSE) : SUMMER - 2018**  
**SUBJECT: MICROBIOLOGY: CLINICAL PATHOLOGY (MB-52)**

Day : **Thursday**  
Date : **12/04/2018**

**S-2018-0738**

Time: **03.00 PM TO 05.00 PM**  
Max. Marks: 40

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**N. B. :**

- 1) All questions are **COMPULSORY**.
  - 2) Figures to the right indicate **FULL** marks.
  - 3) Draw neat and labeled diagrams **WHEREVER** necessary.
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**Q.1** Attempt **ANY TWO** of the following : **(10)**

- a) Discuss the cytology of 'Basophiles'.
- b) Explain 'Intrinsic pathway' for blood coagulation.
- c) Give the composition and functions of cerebrospinal fluid.

**Q.2** Attempt **ANY TWO** of the following : **(10)**

- a) Explain the role of proximal tubule in the formation of urine.
- b) Describe 'Rh blood grouping system'.
- c) Discuss 'Bilirubin metabolism'.

**Q.3** Write short notes on **ANY TWO** of the following : **(10)**

- a) Van Dan Bergh Test
- b) Urea Clearance Test
- c) Lipid hypothesis of schizophrenia

**Q.4** Attempt **ANY FIVE** of the following : **(10)**

- a) Enlist common anticoagulants used in laboratories.
- b) Define the term 'Procoagulant' and mention the procoagulants preventing hemophilia.
- c) Give the significance of glucose examination in CSF.
- d) Define 'Blood banking'.
- e) Give the types of 'Congenital Jaundice'.
- f) Mention the significance of 'LDL cholesterol'.
- g) What is S.G.O.T.? Give its normal value.

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