

**V.P. & R.P.T.P.SCIENCE COLLEGE**  
**B.Sc (Semester VI) Examination-March 2017**  
**Microbiology (US06CMIC04)**

**Thursday, 9<sup>th</sup> March 2017**

**Time: 11.00 am - 12.30 pm**

**Total Marks: 25**

N.B. (i) Attempt all questions. (ii) Marks are indicated on the right side.

Q.1. Select the most appropriate answer: (03)

- 1) Highest number of cellular elements in blood is of:  
(a) Erythrocytes                      (b) Leucocytes  
(c) Thrombocytes                      (d) None of these
- 2) Clinical specimen can be collected from the stomach by:  
(a) Needle aspiration                      (b) Nasotracheal Intubation  
(c) Catherization                      (d) None of these
- 3) Component of a vaccine that enhances the rate & degree of immunization is:  
(a) Adjuvant                      (b) Antigen  
(c) Antibody                      (d) None of these



Q.2. Attempt any two of the following. (04)

1. Explain the role of EDTA as Anticoagulant.
2. What is API 20E system?
3. What is a common source epidemic?

Q.3. Write a note on: ABO Blood Group System. (06)

**OR**

Q.3. What is Haematopoiesis? Explain Erythropoiesis in detail. (06)

Q.4. Write a note on: Disc diffusion test. (06)

**OR**

Q.4. Write a note on: ELISA. (06)

Q.5. Describe the clinical significance of Bilirubin & Cholesterol. (06)

**OR**

Q.5. (A) Explain what is Antigenic shift & Antigenic Drift. (03)

(B) Write a note on Bioterrorism (03)

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