B. Sc. (Microbiology) (Sem. VI) Examination
March / April - 2016
MB-21 : Clinical Microbiology & Epidemiology

Time : Hours] [Total Marks : 50
Instructions :
(1) Fill up strictly the details of signs on your answer book.
Name of the Examination : B. Sc. (Microbiology) (Sem. VI)
Name of the Subject : MB-21 : Clinical Microbiology & Epidemiology
Seat No. : 3 2 3 6
Student's Signature

(2) Figures to the right side indicate full marks of the question.
(3) Draw neat and labelled diagrams whenever necessary.

1 Give specific answers : 12
   (1) Define and differentiate : Vehicle and Vector.
   (2) Write name of two enrichment media for Vibrio cholera.
   (3) What is diphasic blood culture media ? State its significance.
   (4) Give full form of PABA and THFA.
   (5) Define : spectrum of actions for drugs.
   (6) Name causative agent and vector for Lyme disease.

2 Comment on / Explain any two of the following : 12
   (1) Antibiotics in general are very less effective against Viral infections.
   (2) Blood agar medium is used for different diseases diagnosis.
   (3) Laboratory examination of Semen.

[Contd...]
3  Attempt any two of the following:  
   (1) Describe Antibacterial drugs that act as Antimetabolites and Inhibit nucleic acid synthesis.  
   (2) Discuss laboratory and culturing for Faceal specimen.  
   (3) Give detail on infectious disease cycle.  

4  Write short notes on any two of the following:  
   (1) Urine : Cast and Crystals.  
   (2) Transmission of drug resistance.  
   (3) Cell count for C.S.F.