

Pre. Ph.D. Course Work (2017 Course) : Medical Microbiology :
SUMMER - 2019
SUBJECT: - PAPER-II RECENT ADVANCES IN MEDICAL MICROBIOLOGY

Day : Wednesday
Date : 24/04/2019

S-2019-5326

Time : 10.00 AM TO 1.00 PM
Max. Marks : 100

N.B.

- 1) All question are **COMPULSORY**.
 - 2) Draw neat and labeled diagrams **WHEREVER** necessary.
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- Q.1** Discuss role of Nucleic acid based immunological methods in diagnosis of infectious diseases. (20)
- Q.2** Explain hybridoma technology. Describe given suitable examples. (20)
- Q.3** What is flow cytometry? Give its principle and uses in clinical microbiology. (20)
- Q.4** Discuss briefly about regulation and control of gene expression in bacterial cell. (20)
- Q.5** Answer the following- (20)
- a. Enumerate different types of microscope used in microbiology along with the principles of working.
 - b. Discuss Scanning electron and confocal microscopy in detail.

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