

26/5/2015

BT | BAs | III | MB
Microbiology

(20)

QP Code: 944

(3 Hours)

[Total Marks :80

- (1) Question No.1 is Compulsory.
- (2) Solve any three question out of remaining questions.
- (3) Draw suitable diagram wherever necessary.

1. Write short notes on the following

(20)

- i. pasteurization
 - ii. Synchronous growth
 - iii. Bacterial Growth media
 - iv. Cell Wall of gram -ve bacteria
 - v. MPN test
2. (a) Describe how the pure cultures are isolated and maintained. Write their characteristics (10)
(b) Explain Replication Cycle of Virus (10)
3. (a) Describe the role of Micro-organisms in the production of Antibiotics with few examples. (10)
(b) Explain various enumeration techniques used in microbiology (10)
4. (a) Explain the various physical methods for controlling the growth of microorganisms. (10)
(b) Describe the role of microorganisms in the production of antibiotics with few examples (10)
5. (a) Explain the structure of bacterial cell with suitable diagram. (10)
(b) What are the essential components of bacteriological media? Explain chemically defined and complex media with suitable examples. (10)
6. (a) Write a note on antimicrobial sensitivity test. (10)
(b) What are the essential components of bacteriological media? Explain chemically defined and complex media with suitable examples. (10)

JP-Con.: 10642-15.