



BBM-M-202102

Seat No. _____

Second Year D. Pharm Examination

July - 2021

PD-202 : Pharmaceutical Microbiology

Time : 3 Hours]

[Total Marks : 70

1 Answer all the following questions : 10×2=20

- (1) Define term mycology and Rickettsia.
- (2) Give two examples of each type of enriched and selective media.
- (3) What is the difference between total count and viable count ?
- (4) Describe the mechanism of action of ethylene oxide.
- (5) Give four examples of fungicidal disinfectants.
- (6) What is precipitation and agglutination reaction.
- (7) Describe the principle of indirect ELISA method.
- (8) Enlist different symptoms of tuberculosis.
- (9) Describe the principle of PCR.
- (10) Briefly describe toxoid.

2 Answer any 2 questions out of 3 : 2×10=20

- (1) Write a detailed note on active immunity.
- (2) Write a detailed note on viral cultivation.
- (3) Write a detailed note on biochemical reaction used in identification of bacteria.

3 Answer any 6 questions out of 8 : 6×5=30

- (1) Briefly describe the principle of acid-fast staining.
- (2) Describe the morphological characteristics of bacteria.
- (3) Write a detailed note on spirochete.
- (4) Describe in detail I about IgG.
- (5) Write a note on mission indradhanush.
- (6) Describe in detail Western Blot test.
- (7) How Standardization of vaccines performed ?
- (8) Describe the overview, symptoms and treatment of hepatitis-B.