



17543

**BRAINWARE UNIVERSITY***Library*

Term End Examination 2024-2025
Programme – B.Sc.(FND)-Hons-2024
Course Name – General Microbiology
Course Code - BFD20001
(Semester II)

Brainware University
398, Ramkrishnapur Road, Barasat
Kolkata, West Bengal-700125

Full Marks : 60**Time : 2:30 Hours**

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A**(Multiple Choice Type Question)****1 x 15=15**

1. *Choose the correct alternative from the following :*

- (i) Name the person who first discovered the small pox vaccine.
 - a) Robert Koch
 - b) Louis Pasteur
 - c) Lister
 - d) Edward Jenner
- (ii) Identify the scientist who developed gram staining technique.
 - a) Hans Christian Gram
 - b) Lister
 - c) Pasteur
 - d) Koch
- (iii) Identify which of the following organisms have thick peptidoglycan in their cell wall?
 - a) Gram-negative bacteria
 - b) Gram-positive bacteria
 - c) Yeast
 - d) Molds
- (iv) Cite the Bacterium that is most commonly used for genetic engineering.
 - a) Escherichia
 - b) Klebsiella
 - c) Proteius
 - d) Serratia
- (v) Identify from the following the phase of rapid bacterial growth
 - a) Lag Phase
 - b) Logarithmic Phase
 - c) Stationary Phase
 - d) Decline Phase
- (vi) Name the quickest sterilization process not involving heat
 - a) Chemical method of sterilization
 - b) Filtration
 - c) Steam sterilization
 - d) Chlorine dioxide
- (vii) Recall the name person that first gave the small pox vaccine
 - a) Robert Koch
 - b) Louis Pasteur
 - c) Lister
 - d) Edward Jenner

12. Predict the names of two viral, two protozoan and two fungal diseases along with their causative agents. (5)

OR

- Summarize the structure and function of ribosomes in protein synthesis, including their classification based on sedimentation coefficient. (5)

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