



BRAINWARE UNIVERSITY

Term End Examination 2022

Programme – DMLT-2021/DMLT-2022

Course Name – Microbiology & General Bacteriology

Course Code - DMLT103

(Semester I)

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) identify the name of Father of microbiology
 - a) Alexander Fleming
 - b) Leeuwenhoek
 - c) Louis Pasteur
 - d) Robert Koch
- (ii) The motile bacteria is-(Write correct option)
 - a) S. typhi
 - b) K. pneumoniae
 - c) B. anthracis
 - d) Shigella
- (iii) Identify eukaryotic microorganism
 - a) Escherichia.coli
 - b) Saccharomyces cerevisiae
 - c) Thermophilus aquaticus
 - d) Both option 2 and 3
- (iv) Identify correct option-Halophilic bacteria can grow if
 - a) salt concentration is low
 - b) pH is neutral
 - c) salt concentration is high
 - d) oxygen is not present
- (v) If more than one stain is used, such staining is called-(select correct option)
 - a) Simple staining
 - b) Negative staining
 - c) Differential staining
 - d) None of these
- (vi) Halophilic bacteria can grow if- identify correct option
 - a) salt concentration is low
 - b) pH is neutral
 - c) salt concentration is high
 - d) oxygen is not present
- (vii) Escherichia coli is
 - a) vibrioid
 - b) monobacilli
 - c) streptococcus
 - d) helical
- (viii) Spores are killed by (select the correct answer)
 - a) Boiling at 100 degree C
 - b) Pasteurization
 - c) Autoclave
 - d) Filtration
- (ix) Write the use of iodine with respect to Gram staining
 - a) Fixative
 - b) Mordant
 - c) Primary stain
 - d) Secondary stain
- (x) Write the staining technique use to stain the metachromatic granules of

