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BRAINWARE UNIVERSITY

Term End Examination 2024-2025

Programme – M.Sc.(MB)-2024

Course Name – Microbial Genetics and Biostatistics

Course Code - MMB20206

(Semester II)

Full Marks : 60

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

Time : 2:30 Hours

Group-A

(Multiple Choice Type Question)

1. Choose the correct alternative from the following :

1 x 15=15

- (i) Identify types of histones are present in Eukaryotes.
 - a) 4
 - b) 3
 - c) 6
 - d) 5
- (ii) Genome of bacterium is present in
 - a) Nucleus
 - b) Nucleolus
 - c) Nuclear Matrix
 - d) Nucleoid
- (iii) What are coding regions of the genes called?
 - a) Exons
 - b) Introns
 - c) Cistrons
 - d) Integrons
- (iv) DNA is associated with which of the following in prokaryotes.
 - a) Cohesins
 - b) Histone like proteins
 - c) Condensins
 - d) Histones
- (v) What is the length of an E.coli genome?
 - a) 1 mm
 - b) 1.7 mm
 - c) 1.9 mm
 - d) 2 mm
- (vi) Select the size of the genome a yeast cell.
 - a) 10 Mbp
 - b) 18 Mbp
 - c) 12 Mbp
 - d) 14 Mbp
- (vii) Select the following that represents the total DNA content of an organism.
 - a) Z value
 - b) C value
 - c) D value
 - d) B value

