24900180

Reg No:.....................

Name:.......................

MAHATMA GANDHI UNIVERSITY, KOTTAYAM

FIRST SEMESTER MGU-UGP (HONOURS) REGULAR EXAMINATION NOVEMBER 2024

First Semester

Multi-Disciplinary Course - MG1MDCMBG100 - FASCINATING WORLD OF MICROBES

(2024 ADMISSION ONWARDS)

Duration: 1.5 Hours   Maximum Marks: 35

Remember (K), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C), Interest (I), Appreciation (Ap), and Skill (S)

Students should attempt atleast one question from each course outcome to enhance their overall outcome attainability.

[Learning Domain][CO No(s)]

Part A

Answer any 10 out of 12
Each question carries 1 marks

1	Who performed swan neck experiment to disprove spontaneous generation theory?	[K]	[1]
2	What are Animalcules?	[K]	[2]
3	Name the scientist who invented microscope?	[K]	[1]
4	Name two vaccines developed by Louis Pasteur?	[K]	[1]
5	Who discovered penicillin?	[K]	[1]
6	List two examples for Bacteria?	[K]	[1]
7	Name the organic acid content of vinegar.	[K]	[2]
8	What is brine?	[K]	[2]

9	What is Penicillin?	[K]	[2]
10	Outline the importance of Nostoc.	[U]	[2]
11	Name the common disease caused by E.coli.	[K]	[2]
12	List out two harmful fungus.	[A]	[2]

$(10 \times 1 = 10)$

Part B

Answer any 3 out of 6
Each question carries 5 marks

13	What is Abiogenesis? Name the scientists who supported and opposed spontaneous generation	[K]	[1]
14	State the characteristics of Kingdom Monera.	[K]	[1]
15	Differentiate between symbiotic and nonsymbiotic nitrogen fixers.	[A]	[2]
16	Explain the method of Isolation and identification of Rhizobium?	[U]	[2]
17	Explain Biopesticides with any two examples?	[U]	[2]
18	Explain source, transmission and control of human corona virus?	[E]	[2]

$(3 \times 5 = 15)$

Part C

Answer any 1 out of 2
Each question carries 10 marks

19	Describe Whittaker's five kingdom classification with reference to their characteristic features. Give examples.	[K]	[1]
20	Explain fermented foods, types and advantages.	[E]	[2]

$(1 \times 10 = 10)$

END OF THE QUESTION PAPER
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