

SURENDRANATH COLLEGE

INTERNAL ASSESSMENT

SEMESTER-1, 2018-19

SUBJECT-MCBA

CC - 1

Time- 2Hr.

Full Marks-50

CU Reg. No.-	SECTION-	ROLL NO.-
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MARKS OBTAINED	Signature of Examiner- With date
MARKS CONVERTED TO 10	Approved by HOD- With date

Question Booklet

Answer any twenty questions:-

1. Give 2 demerits of Whittaker's classification.
2. Define virus.
3. Distinguish between viroids and Prions.
4. Give one economic importance of bacteria.
5. Give the place of occurrence of algae.
6. Give the classification of fungi.
7. Write down the name of scientist who discovers the Petri dish.
8. Write down the contribution of Joseph Lister.
9. Write down one name of bacteria used in cultivation.
10. Write down the name of one medically used microorganism.
11. Write down the names of bacteria in food industries.
12. Write down two names of beneficial microorganisms?
13. What are Chlamydo spores?
14. What is chitin?
15. What is coenocytic fungi?
16. Which algae results in 'red tides' in oceans?
17. What is diatom?
18. How *Chorella* is useful in space flights and nuclear submarines?
19. Name of the discoverer of Penicillin.
20. Which scientists' first disproved spontaneous generation by showing that maggots only appear on decaying meat that has been exposed to flies?
21. The process in which protozoa attaches themselves to a host's body is known as _____.
22. Plants which are not differentiated into root, stem and leaves are grouped _____.
23. Iodine is obtained from _____.
24. What are saprophytic fungi?
25. What is Spermatization?

1x20=20

Answer any three questions: -

3x10=30

1. What is Thalli? What is Y-M shift? What is saprophytic mode of nutrition? What are conidiospores and blastospores? What is dikaryotic stage? What are *Chytridiomycota*?

1.5+2+1.5+1.5+2+1.5

2. Describe the general characteristics of Algae? Describe the different modes of algal reproduction? Explore classification of Algae based on photosynthetic pigments? Why it is used in many industries?

3+2+3+2

3. Write down the differences between biogenesis and abiogenesis. What is “Germ theory of Disease”. What is Koch’s postulates? Write down the contribution of Paul Ehrlich. What are basic differences between Probiotics and antibiotics?

2+2+2+2+2

4. i. According to Carl Woese, how many kingdoms are there? Name them. 1+2

ii. Give three differences between prokaryotic and eukaryotic microorganisms. 3

iii. Write true or false

1x4 = 4

a) Linnaeus is the father of taxonomy

b) Viruses are bigger than bacteria in size

c) Gas vacuoles are present in the eukaryotic organisms.

d) Budding is a method of reproduction in the fungi

5. Fungi are a beneficial microorganism – Justify. Write two beneficial uses of DNA-Technology. What is the scope of microbiology? What are hyphae and mycelium? How do vegetative reproductions take place in fungi?

2+2+2+2+2

Answer

<i>Q No.</i>	<i>Answer</i>

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