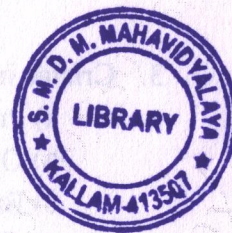


Total No. of Printed Pages: 2

SUBJECT CODE NO: - YY-2464
FACULTY OF SCIENCE AND TECHNOLOGY
B.Sc. (CBCGS) (Pattern 2022) F.Y SEM I
Examination April / May - 2024
Zoology Paper-II Cell Biology



[Time: 1:30 Hours]

[Max. Marks: 40]

Please check whether you have got the right question paper.

N. B

- 1) All questions are compulsory.
- 2) All questions carry equal marks
- 3) Draw neat and well labelled diagram where necessary
- 4) Figures to the right indicate full marks

Q.1 Describe various phases of cell cycle.

10

OR

Explain in brief

- a) Carbohydrates.
- b) Salts and ions.

5

5

Q.2 Describe structure and functions of Endoplasmic reticulum.

10

OR

Explain in brief:

- a) Golgi Bodies.
- b) m-RNA.

5

5

Q.3 Write short notes on (any two)

10

- a) Mitosis.
- b) Structure of DNA.
- c) Lysosomes.
- d) Sarcomas type of cancer.

Q.4 Select and write correct answer from the given alternatives in each Sub Question

10

1. Bacteria are example of _____

- | | |
|---------------------|--------------------|
| a) Protozoa | b) Eukaryotic cell |
| c) Prokaryotic cell | d) None of these. |

2. Smooth endoplasmic reticulum is associated with.

- | | |
|------------------------|------------------------|
| a) ATP Synthesis | b) Ribosome production |
| c) El transport system | d) Triglycerides |

3. Cristae in mitochondria are sites for _____
- Protein Synthesis
 - Oxidation reduction reaction
 - Breakdown of macromolecule
 - phosphorylation of flavoproteins
4. In karyokinesis _____ takes place
- Division of cytoplasm
 - Division of Protoplasm.
 - Division of Nucleus
 - All of the above.
5. Which of the following is present only in DNA?
- Adenine
 - Guanine
 - Thymine
 - Cytosine
6. Cell organelle having hydrolytic enzymes is _____
- Lysosomes
 - Ribosomes
 - Mitochondria
 - Microsomes
7. The most abundant RNA in the cell is _____
- rRNA
 - mRNA
 - tRNA
 - sRNA
8. The process in which the cell loses its ability to Control rate of division and becomes a tumor cell is known as _____
- Invasion
 - Transformation
 - Disemination
 - None of these.
9. Plasma membrane is _____
- Non Selective barrier
 - Impermeable
 - Selective barrier
 - Permeable
10. Extra nuclear DNA is found in
- Mitochondria
 - Golgi body
 - Ribosomes
 - None of the above