SUBJECT CODE NO: - Y-2035 FACULTY OF SCIENCE AND TECHNOLOGY B.Sc. (PATTERN-2013) F.Y. (SEM I)

Examination April / May - 2024 Zoology Paper-II Cell Biology



[Max. Marks: 50]

[Time: 01:30 Hours]

MOTOLY

Please check whether you have got the right question paper.

N.B

- 1) Attempt all questions.
- 2) Illustrate your answers with Suitable labelled diagram.
- Q.1 Define mitosis. Describe in detail Stages of mitosis.

20

OR

Give an account of structure and functions of mitochondria.

Q.2 What is cancer? Describe in detail Cytology of cancer.

20

OR

Write short notes. (any four)

- a) Plasma membrane.
- b) Cell cycle
- c) Nucleus
- d) t RNA
- e) Eye piece of microscope
- f) Staining.
- Q.3 Select and write correct answer from the given alternative in each Subquestion.

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- 1) Which of the following structure is not round in a prokaryotic cell?
 - a) Plasma membrane

b) Nuclear envelope

c) Ribosome

d) Cell wall

In a Entrapportion call the region by	etween the nucleus and the plasma Membra
is known as	etween the nucleus and the plasma Wemora
	b) Nucleoplasm
	d) Lumen
C) Cytopiasiii	11.30 Hours
3) DNA replication occurs in	of the cell cycle.
a) Interphase	b) Prophase
c) Metaphase	d) Telophase
ntable tabelled dingleyn	as turn seems and a deam to
4) The process of cytoplasmic divis	
a) Kavyo kinesis	b) Cytokinesis
c) Diakinesis	d) None of theses
5) Diatyosoma in also known as	(%) Librar
5) Dictyosome in also known as a) Golgi body	b) Ribosome
c) Lysosomes	d) Mitochondria
C monso t	at the cancers Describe (Astend Cyr. domest
6) The term endoplasmic reticulum	is coined by
a) Watson & crick	b) Kolikev
c) Porter & Kall man	d) Robertson
	The first country of the country of the
7) Uncontrolled growth of cell in oc	
a) Sclerosis	b) Liver rot
c) Cancer cell	d) None of these
9) Crossing over during majoris and	curs at stage.
8) Crossing over during meiosis occ	b) Pachytene
a) Diplotenec) Zygotene	d) Leptotene
c) Ligotene	a) Deptotent
9) The tissues are dried in a Vaccum	n at de seest solvense treservos a leve base tros
a) -40°c to -50°c	b) -30°c to -40°c
c) -20°c to -30°c	d) -50°c to -60°c
The Man Man and Market be	Wides of the loslowing someoners by not some
10) Light microscope was discovered	ed by summanum and self (s
a) Robertson	b) Palade
c) Robert Hook	d) Porter & Kallman