Total No. of Printed Pages—3

2 SEM TDC ZOOH (CBCS) C 4

2022

(June/July)

ZOOLOGY (Core)

Paper: C-4

(Cell Biology)

Full Marks: 53
Pass Marks: 21

Time: 3 hours

The figures in the margin indicate full marks for the questions

- 1. Fill in the blanks:
 - (a) Membrane bound organelles are absent in _____.
 - (b) Virus that attaches bacteria is called
 - (c) Microtubules are hollow unbranched tubes composed of subunits of protein

1×5=5

(d) Nucleoplasm is also known as _____.

	(e)	activated during G_1 phase.	:111	
2.	Dist	tinguish between (any two):	3×2=6	
	(a)	Osmosis and Diffusion		
	(b)	Heterochromatin and Euchromatin		
	(c)	Viroid and Virus		
3.		te short notes on $[(a)$ and (b) and (d)]:	or 3×2=6	
	(a)	Function of lysosomes		
	(b)	S-phase		
	(c)	Desmosomes		
	(d)	Nucleosome		
4.		cuss the structure and function crofilaments.	of 4+3=7	
5.	Dis	cuss the structure of mitochond	mitochondrial	

Mention the functions of mitochondria. 5+4=9

Or

Give an account of chemiosmotic theory.

particle and respiratory chain.

4+5=9

- Describe the various stages of mitosis with necessary diagrams.
- 7. Write about the structure of nuclear envelope and mention two important functions of it.
 5+2=7
- Discuss the role of second messengers. Write briefly about molecular structure of GPCR. 3+3=6

☆★★