Name:

## **Enrolment No:**



## UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

**End Semester Examination, December 2022** 

Course: Cell Biology Semester : I

Program: B.Sc. (F, N & D), BSc Microbiology, BSc Clinical Research; Int. B. MSc. Clinical

Course Code: HSCC 1014 Max. Marks: 100

## **Instructions:**

S. No.	Section A	Marks	Cos
	Short answer questions/ MCQ/T&F		
	(20Qx1.5M=30 Marks)		
Q 1	Define a Cell	1.5	CO1
Q 2	List any two requirements of living system	1.5	CO1
Q 3	During the evolution, chloroplast is thought to be developed by engulfing	1.5	CO1
Q 4	List two observations of endosymbiotic theory	1.5	CO1
Q 5	RNA was the first organic material. This statement True is true or false	1.5	CO1
Q 6	Recall the function of clathrin protein	1.5	CO1
Q 7	Define G0 phase of cell cycle	1.5	CO1
Q 8	Lysosomes are called powerhouses of the cell. This statement is true or false	1.5	CO1
Q 9	Explain the importance of glyoxylate cycle	1.5	CO2
Q 10	Explain why chloroplast is called as powerhouse of the cell	1.5	CO2
Q 11	Recognize the below given model structure	1.5	CO2
Q 12	Identify the structures labeled in this diagram	1.5	CO2

1.5	CO2
1.5	CO2
1.5 1.5 1.5	CO2 CO2 CO2
1.5	CO2
1.5	CO3
1.5	CO3
5	CO1
5	CO3
5	CO4
5	CO5
15	CO4
3+12	CO6
	202
	CO3
2+8	CO5
	1.5 1.5 1.5 1.5 1.5 1.5 1.5 5 5