No. of Printed Pages : 1

21BOT2C6L

Sl. No.

M.Sc. II Semester Degree Examination, October - 2023 BOTANY

Cell Biology

(NEP)

Time : 3 Hours			Maximum Marks : 70
Note : Answer any five of the following. Question No. 1 Compulsory.			
1.	(a) (b)	Explain in detail about the chromatin organization. Write short note on chromatin remodelling.	10 4
2.	Writ (a) (b)	te a short note on : Structural chromosomal abnormalities. Aneuploidy.	10 4
3.	(a) (b)	Describe the chromosome break points mapping. Explain the principle and applications of FISH technique.	10 4
4.	Writ (a) (b) (c)	te a short note on : Endoplasmic reticulum Chloroplast Extracellular matrix	5 5 4
5.	(a) (b)	Give a detailed account on apoptosis pathways. Explain the different phases of cell cycle.	10 4
6.	Writ (a) (b) (c)	te short note on : Components of chromatin Nucleosome solenoid model Chromosomal associated syndrome	5 4 5
7.	Give (a) (b) (c)	e a brief account on : Karyotype and its significance Secretary pathway Cytoskeleton	5 4 5
8.	Writ (a) (b) (c)	te a short note on : Sister chromatid exchangers Peroxisomes Chromosome segregation in mitosis	5 5 4

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