

Name. _____		Printed Pages:01		
Student Admn. No.: _____				
School of _Biological and Life Sciences Summer Term \ Backlog Examination – July - August 2024 [Programme: BSC(H)Biomedical Sciences/ Zoology2022/23 SEM II] [Semester: II) [Batch:]				
Course Title: Cytology, Genetics and Infectious Diseases		Max Marks: 100		
Course Code: C2UA102C		Time: 3 Hrs.		
Instructions:	1. All questions are compulsory. 2. Assume missing data suitably, if any.			
		K Level	COs	Marks
SECTION-A (15 Marks)		5 Marks each		
1.	What is the process of endocytosis, and why is it important for cellular function?	K1	CO1	5
2.	How do lysosomes contribute to cellular homeostasis?	K1	CO1	5
3.	What are the key differences between mitosis and meiosis?	K2	CO2	5
SECTION-B (40 Marks)		10 Marks each		
4.	What are the different types of cell junctions and their functions?	K2	CO2	10
5.	How do cytoskeletal elements like microtubules and actin filaments contribute to cell shape and motility?	K3	CO3	10
6.	What is the process of endocytosis, and why is it important for cellular function?	K3	CO3	10
7.	How do primary cilia and flagella differ in structure and function?	K3	CO4	10
SECTION-C (45 Marks)		15 Marks each		
8.	What are the key differences between mitosis and meiosis?	K4	CO4	15
9.	What is the role of ribosomes in protein synthesis?	K4	CO5	15
10	How do membrane proteins contribute to cellular communication and transport?	K5	CO5	15