QP Code: RM20MSC097	Reg.						AR 20
	No						



GIET UNIVERSITY, GUNUPUR – 765022

M. Sc (First Semester) Examinations, May - 2021

20LSPC101 – CELL BIOLOGY AND GENETICS

(Life Science)

Time: 2 hrs Maximum: 50 Marks

(The figures in the right hand margin indicate marks.) $PART-A \label{eq:partial}$

Q.1. <i>A</i>	Answer ALL questions	$(2 \times 10 = 20 \text{ Marks})$
Write	short note on the following	
a.	Prokaryotic cell	
b.	Lysosome	
c.	Adhesions	
d.	Cellulose	
e.	m RNA	
f.	Pachytene	
g.	Dihybrid cross	
h.	Backcross	
i.	Synapsis	
j.	G-protein Company of the Company of	
PART	$\Gamma - \mathbf{B}$	$(6 \times 5 = 30 \text{ Marks})$
Ansv	ver ANY FIVE questions	Marks
2.	Explain the Eukaryotic cell with neat diagram.	(6)
3.	Describe the structure and function of flagella	(6)
4.	Distinguish between mitosis and meiosis	(6)
5.	Write an essay on dihybrid cross.	(6)
6.	Explain the structure and function of endoplasmic reticulum.	(6)
7.	Write the significance of Mutation	(6)
8.	Describe the Principles of population genetics and Hardy-Weinberg Law	(6)

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