

PSG COLLEGE OF ARTS & SCIENCE (AUTONOMOUS)

PG DEGREE EXAMINATION DECEMBER 2025
(Third Semester)

TRANS DISCIPLINARY COURSE (Common to PG Programmes)

HEALTH CARE BIOTECHNOLOGY

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry **EQUAL** marks

$$(10 \times 1 = 10)$$

Cont...

SECTION - B (35 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

 $(5 \times 7 = 35)$

Question No.	Question	K Level	CO
11.a.	Write note on Mucosal tolerance.	K3	CO1
	(OR)		
11.b.	Illustrate Influence of genes on dietary preference.	K3	CO2
12.a.	Enlist the Health marker in inflammatory diseases.		
	(OR)	K3	CO3
12.b.	Give an account on Metabolic dysfunction.		
13.a.	Write note on Regulation of insulin gene.	K3	CO3
	(OR)		
13.b.	Describe the Genetic approach for diagnosis.	K4	CO4
14.a.	Explain Immunodiagnosis using dot blot method.		
	(OR)	K4	CO4
14.b.	Write note on Molecular diagnosis.		
15.a.	Interpret Stem cell as autologous cell therapy.	K4	CO5
	(OR)		
15.b.	Explain DNA and protein microarray based approach for treatment.		

SECTION - C (30 Marks)

Answer ANY THREE questions

ALL questions carry EQUAL Marks

 $(3 \times 10 = 30)$

Question No.	Question	K Level	CO
16	Discuss on Antioxidants potential.	K4	CO1
17	Examine Genetic markers associated with chronic disease.	K4	CO2
18	Illustrate Genetics and control of lipid metabolism.	K4	CO3
19	Write an elaborate note on ELISA.	K4	CO4
20	Give an account on Genetic counselling.	K4	CO5