

**BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(MID SEMESTER EXAMINATION MO/2023)**

**CLASS: B.TECH
BRANCH: BIOTECHNOLOGY**

**SEMESTER : V
SESSION : MO/2023**

SUBJECT: BE213 PHARMACEUTICAL BIOTECHNOLOGY

TIME: 02 Hours

FULL MARKS: 25

INSTRUCTIONS:

1. The question paper contains 5 questions each of 5 marks and total 25 marks.
 2. Attempt all questions.
 3. The missing data, if any, may be assumed suitably.
 4. Tables/Data handbook/Graph paper etc., if applicable, will be supplied to the candidates
-

	Marks	CO	BL
Q.1(a) Present a report on present understanding about human genome.	(2)	1	2
Q.1(b) 'QSAR has revolutionized the activity based drug design', justify the statement.	(3)	3	5
Q.2(a) Support the statement that genomics has given impacts on drug development.	(2)	3	5
Q.2(b) 'Molecular medicines are precision medicines', critically examine the statement.	(3)	3	5
Q.3(a) What is gene testing? Demonstrate the tasks which are performed by gene testing.	(2)	3	3
Q.3(b) What is the role of diagnostics in medical world? How molecular diagnostics differ from it?	(3)	1	4
Q.4(a) Outline the fundamental aspects of pharmacogenomics.	(2)	2	2
Q.4(b) 'Identification of a person have been confirmed by DNA Finger printing', sketch the method involve in it.	(3)	1	3
Q.5(a) Distinguish cancer cells from normal cells.	(2)	1	4
Q.5(b) Sketch how the proto-oncogenes are activated?	(3)	1	3

:::::26/09/2023 M:::::