

M.PHARM. (PHARMACEUTICAL BIOTECHNOLOGY) SEM.-I (CBCS-2019 COURSE) : WINTER 2021
SUBJECT : ADVANCED PHARMACEUTIAL BIOTECHNOLOGY

Day : Wednesday
Date : 17-11-2021

Time : 10:00 AM-01:00 PM
Max. Marks : 75

W-20737-2021

N.B.

- 1) Attempt ANY FIVE questions from the following.
- 2) Figures to the RIGHT indicate FULL marks.

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- Q.1 Outline a process in producing transgenic mouse. (15)
- Q.2 Write a detailed account on significance of signaling pathways as drug targets. (15)
- Q.3 a) What are xenobiotics? (07)
b) How can you use microbial remediation to clear industrial waste? (08)
- Q.4 Describe steps involved in PCR amplification of target DNA. Add a note on its application. (15)
- Q.5 a) What do you understand by 'contig'? (07)
b) Describe hierarchical shotgun approach in sequencing large genomes. (08)
- Q.6 Write short notes. (15)
a) Application of biosensors
b) Multiplexed vaccines
c) Expression vectors

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