

AV – 2476

Third Year Pharm. D. Examination

PHARMACOLOGY - II

Paper - 3.1

(USC – 35121)

P. Pages : 2

Time : Three Hours]

[Max. Marks : 70

-
- Note :** (1) Answer any **Five** questions from Q. no. **Two to Nine**.
(2) Question no. **One** is compulsory.
(3) Due credit will be given to neatness and adequate dimensions.
(4) Illustrate your answer wherever necessary with the help of neat sketches.
(5) Use pen of Blue/Black ink/refill only for writing the answer book.

1. Solve the following :—
 - (a) Describe thrombolytic agents.
 - (b) Give applications and types of gene transfer technology.
 - (c) Differentiate prokaryotic and Eukaryotic DNA replication. 15
2. Explain lifecycle of amoebiasis and chemotherapy of protozoal infections. 11
3. Define and classify diuretics with mechanism of action of each class. Add a note on pharmacology of furosemide. 11
4. Describe transcription and elaborate transcription factors and their role in transcription. 11
5. Give pharmacology of :
 - (a) Cyclosporin 6
 - (b) Cyclophosphamide. 5

AV-2476

P.T.O.

6. With the help of diagrammatic illustration, explain the structure of pro and eukaryotic chromosome. 11
7. Write chemotherapy of :
 - (a) Tuberculosis 6
 - (b) Leprosy 5
8. Define and classify anticancer drugs with examples. Explain alkylating agents in detail. 11
9. Give an account of cell-signal transduction pathways. 11

