

29 MAY 2013

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Total No. of Pages : 1

Total No. of Questions : 06

M. Pharmacy (Pharmacology) (Sem.-2nd)**CLINICAL EVALUATION AND MOLECULAR BIOLOGY**

Subject Code : PHM-514

Paper ID : [E0211]

Time : 3 Hrs.

Max. Marks : 80

INSTRUCTION TO CANDIDATES :

1. Attempt any FIVE questions out of SIX questions.
2. Each question carry SIXTEEN marks.

1. Write a note on creating and screening gene library. 16
2. Write short notes on :
 - a. Fluorescent in situ hybridization
 - b. Ligase chain reaction 2×8
3. Explain the procedure of producing monoclonal antibodies. 16
4. Write a note on clinical evaluation of :
 - a. anti-anginal agents
 - b. anti-ulcer agents 2×8
5. Write a basic principle of development of :
 - a. Erythropoietin
 - b. Human insulin 2×8
6. Explain the following :
 - a. plasmids as cloning vectors
 - b. transformation
 - c. variants of t-PA
 - d. selection of hybrid cells for creating monoclonal antibodies 4×4

