

Rajiv Gandhi University of Health Sciences, Karnataka

First Semester M. Pharm Degree Examination - 25-Mar-2021

[Time: 3 Hours]

[Max. Marks: 75]

Cellular and Molecular Pharmacology

Q.P. CODE: 5136

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Answer All The Questions

10 x 7.5 = 75 Marks

1. Explain briefly the steps involved in gene expression.
2. Explain western blotting and its applications.
3. Explain the procedure of MTT assay and glucose uptake assay.
4. Explain any two methods for apoptosis determination.
5. Explain cell signaling through tyrosine kinase receptors.
6. Write a note on isolation of cells and subculture techniques in culture lab.
7. Discuss various types of sub culturing techniques and write a note on cryopreservation.
8. Write a note on biosimilars.
9. Write a note on humanization of monoclonal antibodies for therapy.
10. Explain the principles and applications of ELISA.

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