

Rajiv Gandhi University of Health Sciences, Karnataka

III Year Pharm-D Degree Examination – MAY-2018

Max. Marks: 70 Marks

Time: Three Hours

PHARMACOLOGY –II (RS & RS2)

Q.P. CODE: 2861

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

LONG ESSAYS (answer any two)

2 x 10 = 20 Marks

1. Compare and contrast different generations of tetracyclins with example. Discuss about their mechanism of action and antimicrobial spectrum. (3+3+4)
2. What is gene expression? Write in detail about the regulation of transcription and translation in eukaryotes. (2+4+4)
3. a) Write the mechanism of action, adverse effects and uses of 5-fluorouracil.
b) Write the antimicrobial spectrum and mechanism of action of any one broad spectrum antibiotic. (5+5)

SHORT ESSAYS (answer any six)

6 x 5 = 30 Marks

1. What are thrombolytics? Give examples. Write their mechanism of action and therapeutic uses of any one.
5. Classify weak diuretics. Add a note on mechanism of action and uses of Carbonic anhydrase inhibitors.
6. Classify cephalosporins with examples and mention the therapeutic uses.
7. Outline life cycle of plasmodium vivax.
8. Explain the process of cell cycle regulation.
9. Explain any two methods of gene sequencing.
10. Classify anticancer agents with examples.
11. Write briefly on cell signal transduction mechanism.

SHORT ANSWERS

10 x 2 = 20 Marks

12. What are Low Molecular Weight Heparins? Give examples
13. Write four uses of potassium sparing diuretics.
14. What is anaphylaxis?
15. Mention any four blood schizonticides.
16. What is Levamisole? Write its uses.
17. Define immunostimulant and immunosuppressant with two examples.
18. Mention OECD guidelines used for determination LD₅₀.
19. What is diakinesis?
20. Differentiate between Eukaryotic and Prokaryotic chromosome.
21. Write the significance of sense and nonsense strands in DNA.
