

Rajiv Gandhi University of Health Sciences, Karnataka

III Year Pharm-D Degree Examination – MAY-2019

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. Explain the mechanism action of antimicrobial agents acting by inhibiting protein synthesis. (2.5+2.5+2.5+2.5)
2. Explain the basic principles and procedures of gene therapy. (3+7)
3. a) Name four triazole antifungal agents? Write their merits and mechanism of action.
b) What is mutation? Add a note on types of mutation. (5+5)

SHORT ESSAYS (answer any six)

6 x 5 = 30 Marks

4. Classify antiplatelet agents on the basis of mechanism of action with examples.
5. Enlist diuretics acting on ascending and descending loop of Henle. Write their adverse effects and therapeutic uses.
6. Write antimicrobial spectrum, mechanism of action and adverse effects of fluoroquinolones.
7. Write the pharmacology of mercaptopurine.
8. Describe the term genome complexity.
9. Write about limitations and applications of gene therapy.
10. Write cellular classification along with brief description.
11. What are diuretics? Classify them with examples.

SHORT ANSWERS

10 x 2 = 20 Marks

12. What are GP IIb/IIIa antagonists? Give examples
13. Enlist potassium sparing diuretics.
14. What are drugs used in treatment of tapeworm infection? Name any four.
15. What is chemoprophylaxis? Give examples.
16. Outline mechanism of action of Cyclosporin.
17. What is Thymosin? Mention its therapeutic uses.
18. Write about duration of study period for acute, subacute and chronic toxicity studies.
19. Name cell cycle regulators and modifiers.
20. What are Biosensors?
21. What is Chargoff's rule?
