Reg No: | | | | | | | | | | | |

D.K.M.COLLEGE FOR WOMEN (AUTONOMOUS), VELLORE-1

SEMESTER EXAMINATIONS

APRIL– 2019 15CBT6B PHARMACEUTICAL BIOTECHNOLOGY

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Time : 3 Hrs. Max.Marks : 75

SECTION–A(10 x 2 =20)

Answer ALL the questions.

Define / Explain for the following:

1. Alkaloids.
2. List out any two drug administration routes.
3. Urokinase.
4. Streptomycein.
5. Attenuated vaccine.
6. DPT.
7. Recombinant insulin.
8. Gene silencing.
9. Oxytocin.
10. ACTH.

SECTION–B(5 x 5 =25)

Answer any FIVE of the following questions.

11. Brief note on the various dosage forms of drugs.
12. Illustrate the steps involved in development of new drugs.
13. Write a short note on pharmacological action of streptokinase.
14. Account on the applications of immobilized enzymes in pharmaceutical biotechnology.
15. Define Edible vaccine. How it is produced in commercial scale?
16. Write a short summary on antisense RNA technology and its applications.
17. Elucidate the production and pharmacological application of vasopressin.
18. Narrate the pharmacological implications of oxyotocin hormone.

SECTION–C(3 x 10 =30)

Answer ALL the questions.

19. (a)Write a detailed account on the pharmacokinetic mechanism of drug action.

(Or)

(b)Explain various routes of drug administration with suitable examples.

20. (a) Describe the production and pharmacological applications of streptokinase enzyme.

(Or)

(b)Elucidate the types of vaccine with appropriate examples.

21. (a) Illustrate the process of monoclonal antibody production and their pharmacological applications in detail.

(Or)

(b)Write a detailed account on the production and pharmacological applications of Thyroxin hormone.

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