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DHANALAKSHMI SRINIVASAN COLLEGE OF ARTS & SCIENCE FOR WOMEN (AUTONOMOUS)



(For Candidates admitted from 2018-2019 onwards)
UG DEGREE EXAMINATIONS APRIL - 2021

PHARMACEUTICAL BIOTECHNOLOGY Time: 3 Hrs PART - A CHOOSE THE CORRECT ANSWER (10X1=10) 1. Which of the following provides the best definition of pharmaceutics? a) it is the study of dosage form design including associated manufacturing techniques b) it is the study of effect that drugs have on the body c) it is the study of the effect that the body has on drugs d) it is the study of how drugs can be chemically sythesised 2. which of the following terms used to describe a drug that has the same effect on a receptor as the Endogenous chemical messenger? a) Agonist b) Antogonist c) partial agonist d) inverse agonist 3. Which of the following are not responsible for the denaturation of proteins? a) heat b) Charge c) pH charge d) organic solvents 4 is not a classified form of conjugated proteins a) Lipoproteins b) Glycoproteins c) Metalloproteins d) Complete proteins 5. Which of the following statements is true concerning human blood? a) The blood of all normal humans contains red and white cells, platelets, and plasma b) some human populations normally lack the ability to produce plasma c) proteins are not normal components of human blood d) none of the above 6. Erythrocyte is another name for a a) red cell b) white cell c) platelet d) protein 7. Nulcoside contains a) Base-sugar b) base – phosphate c) base – sugar – phosphate d) Sugar - phospate 8. Purine base found in RNA is a) Cytosine b) Thymine c) Guanine d) Utracil	OG DEGREE EAAVIINATIONS APRIL - 2021								
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a) glucose molecules b)glycerol molecules c)amino acids d)vitamins									

- 10. A virus is made up of _____a) Protein coat and nucleic acidc) nucleic acid and cell membrance
- b) Protein coat and mitochondria
- d) nucleic acid cell wall and cell membrance

PART - B

ANSWER ALL THE QUESTIONS

(5X7=35)

11. a) Explain in brief about history of Pharmaceutical industry.

(OR)

- b) Write a short notes on Drug development in recent years.
- 12. a) Explain about secretion of Recombinant proteins.

(OR)

- b) Give a short notes on Xenotransplantation
- 13. a)write a short notes on blood-clotting.

(OR)

- b) What is tissue plasminogen activator?
- 14. a) Explain the gene theraphy.

(OR)

- b) Discuss about Gene based Vaccines.
- 15. a) Discuss about product Potenecy.

(OR)

b) How will you detect the protein based impurities.

PART - C

ANSWER ANY THREE QUESTIONS

(3X10=30)

- 16. Discuss in detail about the pharmaceuticals of animal and plants
- 17. Discuss in brief about the Development of Recombinant Humane insulin.
- 18. Expalin about polyclonal and monoclonal antibodies
- 19. Discuss in brief about the cell and tissue based therphies
- 20. Explain about Pyrogenic Containments