

Vision – To emerge as a premier institute offering quality education in pharmaceutical sciences.

Mission – To create knowledgeable and ethical professionals capable of fulfilling the needs in health care systems.

SUBJECT: PHARMACEUTICS V (SEMESTER VIII CBSGS)

SAMPLE MCQS

Select the right option

Each correct answer carries two marks

SR NO

- 1 Which of the following is a biodegradable polymer?
 - a. Polymethyl methacrylate
 - b. Acrolein
 - c. Epoxy polymer
 - d. Polyalkyl cyanocrylate

- 2 Which of the following is required for conversion of monomer to polymer?
 - a. Antioxidant
 - b. Initiator
 - c. Chelating agent
 - d. Oil

- 3 Drug diffusion from buccal DDS is studied using
 - a. Rotating bottle method
 - b. Keshary Chien cell
 - c. USP Type IV dissolution apparatus
 - d. Potentiometer

- 4 Folding endurance test is to be carried out on
 - a. Solution
 - b. Osmotic DDS
 - c. Buccal film
 - d. Intrauterine devices

- 5 Transdermal films are evaluated for drug release via
 - a. Rotating bottle method
 - b. USP Type V dissolution apparatus
 - c. USP Type IV dissolution apparatus
 - d. Vibratory flask method

- 6 Microemulsions are
 - a. Monophasic systems
 - b. Biphasic systems
 - c. Heterophasic systems
 - d. Disperse systems

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- 7 Which is a polymer of natural origin
 - a. Chitosan
 - b. PMMA
 - c. Acrolein
 - d. Polyanhydrides

- 8 Synthetic polymer for transdermal films
 - a. Polystyrene
 - b. Hydroxypropyl cellulose
 - c. Gum tragacanth
 - d. Carmellose

- 9 Which formulation is thermodynamically stable?
 - a. Emulsion
 - b. Suspension
 - c. Microemulsion
 - d. Liposome

- 10 Suitable polymer for targeting drug to colon
 - a. Acrolein
 - b. Sodium carboxy methylcellulose
 - c. Propylene glycol
 - d. Eudragit L 100

- 11 Microencapsulation by phase separation is induced by
 - a. Freeze drying
 - b. Filtration
 - c. Lyophilization
 - d. Non-solvent addition

- 12 Advantage of buccal drug delivery systems over conventional oral DDS
 - a. Bypass first pass metabolism
 - b. Release drug slowly
 - c. Easy to analyze
 - d. Ease of administration

- 13 pH encountered by delivery system in colon is
 - a. Less than 1.5
 - b. 2-3
 - c. 4-5
 - d. 6-8

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- 14 Which parameter indicates that suspension is stable?
 - a. X ray diffraction
 - b. Zeta potential
 - c. UV spectroscopy
 - d. FTIR

- 15 In interfacial polymerisation technique, monomers are
 - a. Present on surface of medium
 - b. Dissolved in 2 immiscible solvents
 - c. Volatilised in the reaction vessel
 - d. Crystallised in cosolvent

- 16 Microemulsions are classified using
 - a. Hague system
 - b. Winsor system
 - c. Noyes system
 - d. Burchard's system

- 17 Sonophoresis is induced by
 - a. Gamma radiation
 - b. Ultrasound waves
 - c. Infrared radion
 - d. X rays

- 18 Drug release from osmotic drug delivery systems follows
 - a. Zero order kinetics
 - b. First order kinetics
 - c. Second order kinetics
 - d. Mixed order kinetics

- 19 What is the role of wicking agent
 - a. Dispersion of drug in gastrointestinal fluid
 - b. Stabilization of the dosage form
 - c. Aids faster dissolution of drug
 - d. Targeting of drug

- 20 Rose & Nelson worked on the following delivery system
 - a. Liposome
 - b. Nanoparticle
 - c. Osmotic
 - d. Rectal

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- 21 Modified Keshary Chien apparatus is used to study
- Diffusion
 - Disintegration
 - Particle size
 - Functional groups
- 22 Polydispersibility of microemulsion can be measured by
- Zetasizer
 - Abbe Refractometer
 - Spectrophotometer
 - Ultrasonicator
- 23 Upon reaching colon, drugs are acted upon by
- Saliva
 - Hydrochloric acid
 - Reductases
 - Bile salts
- 24 Drugs instilled into eye are drained via
- Evaporation
 - Sweat glands
 - Lungs
 - Nasolacrimal system
- 25 Example of permeation enhancer for buccal delivery system
- Oleic acid
 - Phenol
 - Sodium hydroxide
 - EDTA

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

ANSWERKEYS

QUESTION	CORRECT OPTION	QUESTION	CORRECT OPTION	QUESTION	CORRECT OPTION	QUESTION	CORRECT OPTION	QUESTION	CORRECT OPTION
1	d	6	a	11	d	16	b	21	a
2	b	7	a	12	a	17	b	22	a
3	b	8	a	13	d	18	a	23	c
4	c	9	c	14	b	19	c	24	d
5	b	10	d	15	b	20	c	25	a