

Max. Marks : 75

P.T.O

- 10) Limitation of Nanoparticles -----
 - a) Particle – particle aggregation
 - b) Handling of nanoparticle difficult in liquid and dry form
 - c) Limited drug loading
 - d) All the above
- 11) Ocusert is an example of -----
 - a) Feedback regulated system
 - b) Activation modulated system
 - c) Bio – responsive system
 - d) Membrane permeation system
- 12) Following are branched structure -----

a) Nanosomes	b) Dendrimers
c) Niosomes	d) Liposome
- 13) Ocusert have ----- action.

a) Sustained	b) Site specific
c) Controlled	d) All the above
- 14) The Copper IUD can caused -----

a) Allergic reaction	b) Infection
c) Bleeding	d) All the above
- 15) Which polymer occur naturally -----

a) Starch and Nylon	b) Starch and Cellulose
c) Protein and Nylon	d) Protein and PVC
- 16) Drug having very short half life are ----- controlled release formulation.

a) excellent	b) best
c) great	d) poor
- 17) Physiological factor that can affect mucoadhesion -----

a) Molecular weight	b) Mucin turnover
c) pH	d) Contact time
- 18) Implant have -----

a) potency	b) flexibility
c) stability	d) All the above
- 19) Alzet is an example of ----- type of pump.
 - a) Osmotic pressure activated
 - b) Vapour pressure activated
 - c) Magnetically activated
 - d) Hydration activated
- 20) Advantage of mucosal drug delivery system includes -----
 - a) excellent accessibility
 - b) painless administration
 - c) prolongation of residence time
 - d) All of the above

- 2. Solve any two.** **10x2**
=20
- a) Explain physiochemical properties of drug CDDS?
 - b) Explain basic component of TDDS?
 - c) Explain monoclonal antibodies and their application.
- 3. Solve any seven.** **5x7**
=35
- a) Write note on Implant.
 - b) Polymer used in CDDS explain.
 - c) Write Account on permeation enhanced.
 - d) Explain Osmotically activet drug delivery system.
 - e) Explain in brief inflatable GRDDS.
 - f) Give note on rational of CDDS.
 - g) Write in brief nebulizer.
 - h) Write advantages and disadvantages of mucosal drug delivery system.
 - i) Discuss Intra Uterine Devices (IUD)
