C.U.SHAH UNIVERSITY Winter Examination-2022

Subject Name : Drug Delivery System

| Subject Code : MPH102T Semester : 1 Date : 14/03/2023 Instructions: | | | Branch: M.Pharm (Pharmaceutics) | | |
|---|----------------|---|---------------------------------|-----------|-------------|
| | | | Time : 10:30 To 01:30 Marks | | : 75 |
| (2) (3) | Instr Drav | of Programmable calculator & any other e actions written on main answer book are a neat diagrams and figures (if necessary) me suitable data if needed. | strictly to be obeye | - | |
| Q-1 | | Attempt the following questions: | | | (20) |
| | a) b) c) | Explain Ultralente. Explain push-pull osmotic pump. Covaxin and Covishield are the type of | and | Vaccines | |
| | d) | respectively. What do you mean by PEGylation? | | v acemes, | |
| | e) f) g) | Write four examples of protein drug delivery systems. What is the difference between controlled and sustained drug delivery? Give names of four polymers used for mucoadhesion. | | | |
| | h) i) j) | What do you mean by telepharmacy? What is floating lag time in case of GRE What do you mean by customized drug of | | | |
| Q-2 | A | Write a note on Osmotically controlled drug delivery system with | | | (20) 10 |
| | B C | example. Explain the barriers of protein drug delivery. Write a note on transdermal delivery of vaccine and therapeutic proteins. | | | 10 10 |
| Q-3 | A | Attempt any Seven of following : List the evaluation parameters for bucca explain any three in details. | l drug delivery syst | tems and | (35) 5 |
| | B C | Write about gas generating and Hydroge What do you mean by personalized med | • | | 5 5 |
| | C D E | Write a note on factors affecting TDDS. Write a note on Bio responsive drug deli | - | | 5 5 5 |
| | F | Explain the CDDS following dissolution and diffusion as combined5mechanism of drug release.5 | | | |
| | G H I | Explain single shot vaccines. Write a note on penetration enhancers in Explain mechanically activated DDS. | n TDDS. | | 5 5 5 |

