

**Maximum Marks: 80**

- |  |            |
|--|------------|
| 1) Describe the drug used in CPR and in emergency. Explain their doses and routes of administration.   | 12         |
| 2) Write briefly on: -   | 3 x 4 = 12 |
| <div style="display: flex; justify-content: space-between;"> <div>a) Antacid drugs.</div> <div>b) Routes of administration of drugs.</div> </div> <div>c) Legal issues in drug administration.</div>   |            |
| 3) Write short notes: -  | 4 x 3 = 12 |
| <div style="display: flex; justify-content: space-between;"> <div>a) Pharmacokinetics</div> <div>b) Purgatives</div> </div> <div style="display: flex; justify-content: space-between;"> <div>c) Diuretics</div> <div>d) Antivenom</div> </div>  |            |
| 4) Explain the followings (Any Four):-   | 4 x 4 = 16 |
| <div style="display: flex; justify-content: space-between;"> <div>a) Alternative systems of medicine.</div> <div>b) NSAID.</div> </div> <div>c) Nurses responsibilities in administration of drugs.</div> <div>d) Side effects of immune suppressive drugs.</div> <div style="display: flex; justify-content: space-between;"> <div>e) Vaccines and sera.</div> <div>f) Antitubercular drugs.</div> </div> |            |

- |  |                                       |
|--|---------------------------------------|
| <b>1) Write briefly on: -</b>  | <b>3 x 5 = 15</b>                     |
| a) COPD  | b) Cryptorchidism                     |
| c) Rheumatic heart disease.  |                                       |
| <b>2) Write short notes on:</b>  | <b>5 x 3 = 15</b>                     |
| a) Difference between culture and sensitivity.   | b) Blood grouping and cross matching. |
| c) Difference between Peptic ulcer and Duodenal ulcer.   |                                       |
| <b>3) Write short notes on:</b>  | <b>5 x 3 = 15</b>                     |
| a) Gene therapy.   | b) Genetic counselling.               |
| c) Human Genome Project.   |                                       |
| <b>4) Explain the screening methods for genetic defects and diseases in neonates and children.</b> | <b>10</b>                             |
| <b>OR</b>  |                                       |
| a) Cellular division mitosis and meiosis.  | <b>5</b>                              |
| b) Characteristics and structure of genes.   | <b>5</b>                              |