

[Time: 3 Hours]

[Marks: 100]

Please check whether you have got the right question paper.

- N.B: 1. All questions are compulsory and carry equal marks.  
2. Figures to the right indicate full marks.  
3. Draw neat and labelled diagrams wherever necessary.  
4. Answer the questions in proper order.

- Q. 1 Describe Any Two of the following: (20)  
a) Transverse section of tongue  
b) Transverse section of large intestine  
c) Papillary and reticular layers of dermis
- Q. 2 Explain Any Two of the following: (20)  
a) Margin of safety and exposure.  
b) Nephrotoxicity.  
c) Nicotine
- Q. 3 Give an account on Any Two of the following: (20)  
a) Free radical mediated cell injury.  
b) Types of necrosis.  
c) Cloudy swelling and fatty degenerating changes
- Q. 4 Describe Any Two of the following: (20)  
a) Probability – multiplication rule  
b) Two-tailed Z-test  
c) Levels of significance and testing of hypothesis
- Q. 5 Write short notes on: (Any Four) (20)  
a) Skin receptors  
b) Therapeutic Index (TI).  
c) OECD guidelines for testing of chemicals  
d) Z-transformation  
e) Dentinal pulp  
f) Wet gangrene