

12425

03 Hours / 80 Marks



20112

Seat No.

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- Instructions* –
- (1) All Questions are *Compulsory*.
 - (2) Answer each next main Question on a new page.
 - (3) Illustrate your answers with neat sketches wherever necessary.
 - (4) Figures to the right indicate full marks.
 - (5) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.
 - (6) In case student has attempted sub-question of question no. 3 more than once, only first attempt should be considered for assessment.

Marks

1. Attempt any SIX of the following:

30

- a) Explain reaction and principle involved in limit test for Arsenic and draw neat and labelled sketch of Gutzeit apparatus.
- b) Give a brief account of:
 - i) Acid-base titration
 - ii) Complexometric titration
- c) Define Antibiotics. Classify with suitable example. Write uses of Azithromycin.
- d) State what are Hypnotics and sedatives? Classify them giving suitable examples. Draw structure of chlorpromazine.
- e) State what are sympathomimetic drugs? Classify and give the structure and uses of Adrenaline.
- f) Draw chemical structure of Dapsone. Give its chemical name; uses, formulations and storage conditions.
- g) Write uses for the following compounds:
 - i) Ferrous Sulfate
 - ii) Aluminium hydroxide gel
 - iii) Potassium permanganate
 - iv) Calcium carbonate
 - v) Oxygen.

2. Attempt any TEN of the following:

30

- a) Explain principle and procedure involved in limit test for chloride.
- b) Enlist different types of volumetric analysis. Explain at least one precipitation type of titration.
- c) Define and classify general anaesthetics giving suitable examples of compounds under each class.
- d) What are anticholinergic drugs? Give the therapeutic uses of anticholinergic drugs.
- e) Draw the structure; uses and popular brand names (Any two) of propranolol.
- f) Give the structure; chemical name and uses of furosemide.
- g) What is diabetes mellitus? Give pharmaceutical formulations of Insulin. Draw structure of Metformin.
- h) Define antipyretic analgesics. Give uses and popular brand names of paracetamol.

P.T.O.

