

Roll No. ....

2112

**1st year / PHARMACY**

**Subject : PHARMACEUTICAL CHEMISTRY 1**

Time : 3 hrs.

M.M. 80

**SECTION-A**

**Note:** Objective type questions. All questions are compulsory (10x1=10)

- Q.1 Write down the chemical formula of caustic soda.
- Q.2 Define emetics.
- Q.3 Write down the name of universal antidote.
- Q.4 Mention the use of Iron.
- Q.5 Define the term anaemia.
- Q.6 Define the term disinfectant.
- Q.7 Mention two extracellular ions used as electrolyte.

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Q.8 Write down the common name of sodium chloride.

Q.9 Define astringents.

Q.10 Write down the name of reagent used in sulphate limit test.

**SECTION-B**

**Note:** Very short answer type questions. Attempt any five questions out of seven questions. (5x3=15 marks)

- Q.11 Define antacid. Write down the ideal characteristics of antacids.
- Q.12 Write down the storage and uses of chlorinated lime.
- Q.13 Write down the mechanism of action of astringent.
- Q.14 Write down the chemical formula of following compounds:
1. Baking powder
  2. Muriatic acid
  3. Green compounds

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Q.15 Write a note on combination antacids.

Q.16 Write down the principle of Heavy metal limit test.

Q.17 Write a note on uses of radiopharmaceuticals.

### SECTION-C

**Note:** Restricted response questions of 5 marks each.  
Out of which 5 are to be attempted. (5x5=25)

Q.18 Write note on protective with example.

Q.19 Write a brief note on official compounds of calcium.

Q.20 Mention the principle of limit test of chloride.

Q.21 Write a note on magnesium containing antacids.

Q.22 Explain desensitizing agents with example.

Q.23 Explain radioactive disintegration series.

Q.24 Write a note on quality control.

### SECTION-D

**Note:** Extended response or essay type questions of 10 marks each out of which 3 questions to be attempted. (3x10=30)

Q.25 Write a detail note on sources of impurities in pharmaceuticals.

Q.26 Explain the limit test of arsenic with diagram, principle and procedure.

Q.27 Define titration. Explain different types of titrations with principle.

Q.28 Explain radiopharmaceuticals, Mention their biological effects and uses.