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Question Bank for all

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

(LN 4251) AUGUST 2018 **Sub Code: 4251**

B.PHARM. DEGREE EXAMINATION
FIRST YEAR
PAPER I – PHARMACEUTICAL INORGANIC CHEMISTRY

Q.P. Code: 564251

Time: Three hours **Maximum: 100 Marks**

I. Elaborate on: **(2 x 20 = 40)**

1. a) Define Topical agents. Classify them with examples. Write about the different solutions of Iodine.
   b) Write short note on Alum.

2. Give the preparation, identification tests, assay and medicinal uses of :
   a) Hydrogen peroxide b) Chlorinated lime

II. Write notes on: **(8 x 5 = 40)**

1. What are medicinal gases? Write properties and assay of nitrous oxide.
2. What are saline cathartics? Write the preparation and assay of magnesium sulphate.
3. Write the principle for lead limit test with reactions.
4. What is radioactivity? Explain a method for the measurement of radioactivity.
5. What are dental products? Write about the role of fluorides as ant-caries agents.
6. Write the structures and applications of dimercaprol and penicillamine.
7. How will you assay ammonium chloride?
8. Define an antacid. Write the preparation and assay of sodium bicarbonate.

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III. Short answers on: **(10 x 2 = 20)**

1. What is radio opaque contrast medium? Give examples.
2. Write about respiratory stimulants.
3. What are sedatives? Give example.
4. Write the physiological role of zinc.
5. Discuss about primary standards. Give examples.
6. What is Werner's co-ordination number?
7. Define astringents with examples.
8. What are adsorbents? Give examples.
9. Write a note on oral rehydration salt.
10. Write about the different types of "waters" available as pharmaceutical aids.

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