

**DO NOT WRITE ANYTHING ON YOUR QUESTION PAPER EXCEPT YOUR ROLL NO. QUESTION PAPER CONTAINING ANYTHING WOULD BE TREATED AS MALPRACTICE**

**Answer the questions serially and continuously**

**Subject: PHARMACHEMISTRY-I (Theory)**

Full Mark -80

Time -3 hrs

(Answer any five questions including question No.1)

1. **A) Write the chemical formula of the followings: (1x10)**  
a) Butter of Zinc      b) Slaked Lime      c) Soap stone      d) Spirit of Salt  
e) Quick Silver      f) Muriatic Acid      g) Tartar Emetic      h) Rochelle salt  
i) Baking Soda      j) Sodium borate
- B) Define the following terms: (1 x 10)**  
i) Protective      ii) Deliquescent      iii) Antioxidant  
iv) Expectorants      v) Acidosis      vi) Purgatives      vii) Antidote  
viii) Monograph      ix) Anticaries agent      x) Replacement therapy
2. (2+13)  
What do you mean by term quality control of drugs? Briefly discuss on various methods adopted for controlling the quality of drugs
3. a) Explain G.M. counter with a neat labelled diagram. (5)  
b) Write a note on radio opaque substance. (5)  
c) Short note on biological effects of radiation. (5)
4. What do you mean by Topical Agent? Classify them with suitable example. Write the chemical formula, synonyms & uses of any three important antimicrobial agent [2+4+(3x3)]
5. Explain about Arrhenius theory, Bronsted lowry theory, and Lewis theory with Limitations. Write the preparation & uses of HCL. (4+4+4+3)
6. Answer all: (5x3)  
a) Give the principle involved in limit test for Arsenic  
b) Draw & label the figure of arsenic apparatus  
c) Give the principle involved in limit test for Iron  
d) Give the principle involved in limit test for chloride  
e) Write the different sources of impurities
7. Write short notes on (Any Three) (3 x 5)  
a) ORS      b) Pharmaceutical gases as inhalants.  
c) Application of Buffer      d) Test for purity

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