Roll No.: _____   **Enrolment No._____**

Subject Name: Pharmaceutical Inorganic Chemistry
Subject Code: BP104T   **Date: 03/10/2018**
Time: 10:00 am to 11:30 am   **Total Marks: 30**

Instructions:
1. Figures to the right indicate full marks.
2. Make suitable assumptions wherever necessary.

Q.1   Multiple Choice Questions:

(**1**)   In the limit test of Iron, Thioglycolic acid act as   **01**
(**a**)Oxidizing agent (**b**)Suspending agent(**c**)Reducing agent (**d**)None of above

(**2**)   _____Used as electrolyte replenisher to maintain electrolyte balance.   **01**
(**a**) Nacl   (**b**) H_3PO_4 (**c**) Hcl   (**d**) $Ba_3(PO_4)_3$

(**3**)   **Calcium gluconate is prepared by**   **01**
(**a**)Lactic acid & $CaCo_3$ (**b**)Oxalic acid & $CaCo_3$
(**c**)Gluconic acid & $CaCo_3$ (**d**)Gluconic acid & $Ca(OH)_2$

(**4**)   **A ____%w/v solution of Nacl is isotonic with serum.**   **01**
(**a**) 0.8%w/v   (**b**) 0.6%w/v   (**c**) 0.9%w/v   (**d**) 0.1%w/v

(**5**)   **First edition of pharmacopoeia was published in**   **01**
(a) 1965   (**b**) 1955   (**c**) 2000   (**d**) 1989

(**6**)   **Iodine when reacts with starch gives**   **01**
(**a**)Red color   (**b**)Blue color (**c**)Green color   (**d**)Colorless

(**7**)   **Anaemia is**   **01**
(**a**)Deficiency of iron   (**b**)Deficiency of zinc
(**c**)Deficiency of sodium chloride   (**d**)None of above

(**8**)   **Apart from Expectorant, Ammonium Chloride is also used as**   **01**
(**a**)Haemitinic (**b**)Acid-base equilibrium (**c**)Antimicrobial (**d**)None of the above

(**9**)   **Define** :Haematinics   **01**
(**10**)   **Define:** Limit test   **01**

Q.2   Long Answers: (Any One)

1)   Write source of impurities in pharmaceutical substances.   **10**

2)   Discuss the preparation, properties, assay, storage and uses of Ammonium chloride.   **10**

Q.3   Short Answers: (Any Two)

1)   Define and classify expectorants. Explain mechanism of action of potassium iodide as expectorant.   **05**

2)   Discuss the principle and reactions involved in limit test of sulphate.   **05**

3)   Discuss Assay of any two: **05**
1)Sodium Chloride 2)Copper Sulphate 3)Ferrous Sulphate

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