

# EDUCATION REGULATION 1991

FIRST YEAR

APRIL 2015

**Time 3 hours**

**Maximum marks:80**

**Note:** 1) Answer any 8 questions

2) All questions carry equal marks

3) Draw diagrams wherever necessary

1. Explain the importance of quality control and the methods used for quality control. Explain the principle in the limit test for iron.
2. Explain in detail about the electrolytes used for the replacement therapy and also to maintain the acid base balance with examples.
3. Classify the gastro intestinal agents with examples. Give the storage conditions and uses of any four.
4. Name the official compounds of iron. Write the method of preparation, storage condition, uses and assay of any one of them
5. Give the identification test for the following-----
  - a) silver
  - b) bicarbonate
  - c) ammonium
  - d) nitrate
6. What are anti oxidants ? Give examples. Give the preparation, properties storage .conditions and uses of any two
7. Explain the storage conditions and precautions to be taken with radio pharmaceuticals. How is radioactivity measured?
8. Give the preparation, propertie,s assay and storage conditions and uses of ammonium carbonate and sodium nitrate
9. a) what are the official gases and write the assay, storage and uses of oxygen.  
b) explain the preparation, assay and uses of boric acid.
10. Define the following terms---
  - a) antiseptics
  - b) astringents
  - c) germicides
  - d) disinfectant