

**First Basic B.Sc. Nursing Examination, Summer 2014**  
**MICROBIOLOGY**

Total Duration : Section A + B + C = 3 Hours

Section B & C Marks : 60

**SECTION – B & SECTION – C**

- Instructions :**
- 1) Use **blue/black** ball point pen only.
  - 2) Do not write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) **All questions are compulsory.**
  - 4) The number to the **right** indicates **full marks**.
  - 5) Draw diagrams **wherever** necessary.
  - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
  - 7) **Use a common answer book for all Sections.**

**SECTION – B**

**(30 Marks)**

2. Answer the following (**any five** out of six) : **(5x3=15)**
  - a) Write a short note on bacterial growth curve.
  - b) Describe the procedure of Grams Staining.
  - c) Write a short note on Bacillary dysentery.
  - d) Write a short note on IgM.
  - e) Mention the contribution of Louis Pasteur.
  - f) Describe Bacterial Cell Wall.
3. Answer the following (**any three** out of four) : **(3x5=15)**
  - a) Write contributions of Robert Koch.
  - b) Describe laboratory diagnosis of Tuberculosis.
  - c) Describe physical method of sterilization with respect to Dry and Moist Heat.
  - d) Write a note on Nosocomial Infection.

**SECTION – C**

**(30 Marks)**

4. Answer the following (**any two** out of three) : **(2x15=30)**
  - a) Define Culture Media and Describe different types of culture media with example.
  - b) What is Immunity ? Explain different types of immunity.
  - c) What is Infection ? What is infection Control ? Explain the role of Nurses in infection control.