

# P25/P27/HSC127/EE/20160520

**Time : 3 Hours**

**Marks : 80**

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**Instruction :**

1. All Questions are Compulsory.
  2. Each Sub-question carry 5 marks.
  3. Each Sub-question should be answered between 75 to 100 words. Write every questions answer on separate page.
  4. Question paper of 80 Marks, it will be converted in to your programme structure marks.
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1. Solve any **four** sub-questions.
  - a) Give names and functions of Hormones secreted by Thyroid gland. 5
  - b) Write functions of Kidney. 5
  - c) Write a note on procedure of GTT. 5
  - d) Short note on Immunoglobulin. 5
  - e) Write principle and clinical significance of RA test. 5
2. Solve any **four** sub-questions.
  - a) Write a note on Goiter with its causes. 5
  - b) Write short note on Pre-Hepatic Jaundice. 5
  - c) Write full forms of : SGPT, SGOT, LDH, CPK-MB, GFR. 5
  - d) Define : Mesophilic bacteria, Thermophilic bacteria, Psychrophilic bacteria. 5
  - e) Write test for motility of bacteria. Give two examples of motile bacteria. 5
3. Solve any **four** sub-questions.
  - a) Write short note on bilirubin metabolism. 5
  - b) Write normal range of : S. bilirubin, SGPT, SGOT, ALP, S.protein. 5
  - c) Write short note on Autoclave. 5
  - d) Define sterilization. Write types and example of sterilization. 5
  - e) Draw bacterial cell. 5

4. Solve any **four** sub-questions.
- a) Write estimation of BSL with their clinical significance. 5
  - b) Define Beer's law and Lambert's law. Write formula for colorimetry. 5
  - c) Define Bacteria. Write note on different shapes, arrangement and sizes of bacteria with diagram. 5
  - d) Explain Mantoux test : procedure and uses. 5
  - e) Describe procedure of staining for identification of AFB in sputum sample. 5

