**Sylhet Women’s Nursing Institute**

Diploma in Nursing Science & Midwifery

**1st Year 2nd Semester Final Examination - 2018**

Subject: Bio-statistics & Epidemiology

**Time: 1 hour 30 minutes Total Marks: 40**

**Group – A**

**SAQ (Short Answer question). Answer any two the following 2×5=10**

1. a) Define epidemiology. Mention 5 important uses of epidemiology.

b) What are the measurements of epidemiology. Name 5 important mortality indicators.

1. a) What is incidence & prevalence? Give some examples of health related states and events.

b) What is agent and host? Give some examples of biological agents.

1. a) Write down the steps of descriptive studies.

b) Explain Epidemiological triad.

**EQ. (Essay Type question) Answer to any one 1×10=10**

1. Define epidemic with examples. How can you investigate an outbreak of epidemic?
2. Discuss different modes of transmission of diseases.

**Group – B**

**SAQ (Short Answer question). Answer any two the following 2×5=10**

1. a) What do you mean by the term Endemic? Give some examples of common endemic diseases in Bangladesh.

b) What is Risk factor? Mention the risk factors for diabetes mellitus

1. a) How disease is distributed?

b) What do you mean by non-communicable disease? Write down difference between communicable & non communicable diseases.

1. a) What is case, control & cohort? Give same examples of cohort.

b) Classify epidemiological methods.

1. **EQ. (Essay Type question) Answer to any one 1×10=10**
2. What do you mean by communicable disease? Give some examples of communicable disease prevalent in Bangladesh. Discuss the principles of control of communicable diseases
3. What is surveillance? Write down the objectives of surveillance. Mention the diseases under surveillance.