**Sylhet Women’s Nursing Institute**

Diploma in Nursing Science & Midwifery

**1st Year 2nd Semester Midterm Supplementary Examination, September/2018**

Subject: Bio-statistics & Epidemiology

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

**Group – A**

**Short Answer to any two questions from followings 2×5=10**

1. a) What is sample, sampling & population.

b) Classify sampling technique.

1. a) What are the measures of dispersion ?

b) Calculate mean, median, mode from the following observed values:

24, 7, 10, 21, 15, 28, 12, 21, 16, 19, 8, 21

1. a) Define bio-statistics. Write down uses of Bio-statistics.

b) What is data? Classify data with examples.

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

1. Define & classify Variables with examples. How data can be presented?
2. Define epidemiology. Classify epidemiological methods.

**Group – B**

**Short Answer to any two questions from followings 2×5=10**

1. a) Explain epidemiological triad?

b) Write down uses of epidemiology.

1. a) Who are the infants? What are the common causes of infant mortality in Bangladesh?

b) Define birth rate. What do you mean by life expectancy?

1. a) Enumerate basic tools & measurements of epidemiology.

b) Define maternal death. Mention 4 important causes of maternal death.

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

1. What are the uses of indicator? Write down 5 important mortality indicators. What do you mean by incidence & prevalence?
2. Define cohort. Mention the differences between case-control & cohort study.