**Department of Community Medicine**

Sylhet Women’s Medical College

3rd Term Final Examination, MBBS 4th Year – SWMC07

**SAQ**

Total Marks-40 Time-1hour 20 Minutes

**Answer to any 8 questions (8×5=40)**

1. a) Define biostatistics. What are the importances of Biostatistics?

b) Define variable. Classify with 2 examples for each.

2. a) What are the sources of data? Name the methods of data presentation –

b) What are the masseurs of dispersion? Family members in 6 families are 3, 5, 3, 6, 2, 4,

Calculate mean, median &mode of this series of observation.

3. a) Define sampling & sample. Why Random sampling is called probability sampling?

b) Classify sampling techniques. Name the methods of simple random sampling.

4. a) Define epidemiology. How distribution of a disease is seen in epidemiology?

b) Name the epidemiological approaches. Classify epidemiological methods.

5. a) What is cohort? Give four important differences between case-control and follow-up studies.

b) What is research? Name the steps of methodology in sequence in a research.

6. a) What are the levels of disease prevention? Briefly discuss the importance of primordial

prevention.

b) Define case and carrier of disease. Differentiate between isolation and quarantine.

7. a) How diseases can be transmitted? Exemplify biological transmission.

b) Define disease cycle. Name the stages in disease cycle.

8. a) What are the viruses that causes hepatitis? How to prevent?

b) Name the major causes of infant death in Bangladesh. How to prevent diarrhoeal diseases in

infant?

9. a) Name the risk factors of Type – 2 Diabetes Mellitus. Give dietary advices to a diabetic

person.

b) Name the breeding habits of different types of mosquitoes. How to prevent dengue

epidemic?

10. Write short notes on any two of the followings.

a) Rehabilitation b) Eradication c) Screening