



সমানো মন্ত্র: সমিতি: সমানী

**UNIVERSITY OF NORTH BENGAL**

B.A. Major 1st Semester Examination, 2023

**USOCMAJ11001-SOCIOLOGY**

**INTRODUCTION TO SOCIOLOGY-I**

Time Allotted: 2 Hours 30 Minutes

Full Marks: 60

*The figures in the margin indicate full marks.*

**GROUP-A**

Answer any *two* of the following questions

12×2 = 24

1. Define sociology. Discuss the subject-matter of sociology. 4+8
2. Discuss the relationship among Sociology, Political Science and History. 6+6
3. Define community. Discuss the relationship between community and association. 4+8
4. What is social control? Discuss different agencies of informal social control. 4+8

**GROUP-B**

Answer any *four* of the following questions

6×4 = 24

5. Discuss the emergence of sociology as an academic discipline. 6
6. What is industrial society? What are its characteristics? 2+4
7. Identify important features of primary group. 6
8. Discuss the importance of social institution. 6
9. Briefly explain the major components of culture. 6
10. What are the types and agencies of formal social control? 6

**GROUP-C**

11. Define / Explain any *four* of the following:

3×4 = 12

- (a) Tribal society
- (b) Tertiary group
- (c) In group-out group
- (d) Reference group
- (e) Cultural lag
- (f) Customs

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UNIVERSITY OF NORTH BENGAL  
B.A./B.Sc. Major 1st Semester Examination, 2023

UECOMAJ11001-ECONOMICS

INTRODUCTORY MICROECONOMICS

Time Allotted: 2 Hours 30 Minutes

Full Marks: 60

*The figures in the margin indicate full marks.*

GROUP-A

1. Answer any *four* questions: 3×4 = 12
- (a) Define Producer Surplus. 3
- (b) What do you mean by Returns to Scale? 3
- (c) Distinguish between Fixed Cost and Variable Cost. 3
- (d) The price elasticity of demand is usually negative. Why? 3
- (e) What are Real Numbers? 3
- (f) State the properties of Indifference Curve. 3

GROUP-B

Answer any *four* questions

6×4 = 24

2. Distinguish between the following: 3+3
- (a) Perfectly elastic demand and perfectly inelastic demand.
- (b) Point and Arc elasticity of demand.
3. Explain graphically the Law of Diminishing Marginal Utility. 6
4. Distinguish between short run and long run production function. 6
5. Average Cost (AC) curve is U-shaped. Explain. 6
6. (a) Suppose the AR is given as  $AR = 2Q^2$ . Then derive TR and MR.  $1\frac{1}{2} + 1\frac{1}{2}$
- (b) Given the TC function  $C = Q^3 - 5Q^2 + 12Q + 75$ , write the variable cost function. Find the derivative of the variable cost function, and interpret the economic meaning of that derivative. 1+1+1
7. (a) If the domain of the function  $y = 5 + 3x$  is the set  $\{x | 1 \leq x \leq 9\}$ , find the range of the function and express it as a set. 3
- (b) For the function  $y = -x^2$ , if the domain is the set of all non negative real numbers, what will its range be? 3