

KHULNA UNIVERSITY OF ENGINEERING & TECHNOLOGY

Department of Mechanical Engineering

B. Sc. Engineering 1st year 1st Term Examination, 2011

Hum 1105

(Economics and Sociology)

Time: 3 Hours.

Total Marks: 210

- N.B. i) Answer any THREE questions from each section in separate scripts.
ii) Figures in the right margin indicate full marks.

SECTION - A

- 1(a) Define Economics. What are the basic problems of an economic system? 10
- 1(b) What is supply? How the government policy and technology affect the supply of any goods and services? 15
- 1(c) Define law of demand. Discuss the downward sloping demand with two cases from your own experience. 15
- 2(a) Define indifference curve and explain its properties. 10
- 2(b) Show the relationship between total product, average product and marginal product. 15
- 2(c) Explain the following terms: 10
(i) Cardinal and ordinal utility. (ii) Production and production function
- 3(a) Define Market. Write down the different forms of market. 10
- 3(b) Explain the short-run equilibrium of a firm under perfect competition. 20
- 3(c) Distinguish between perfect competition and imperfect competition. 05
- 4(a) What are meant by GNP, GDP, NNP, Personal income, and Disposable income? 10
- 4(b) Explain any one method of calculating national income account. 10
- 4(c) What is inflation? What are the main causes of inflation? 15

SECTION - B

- 5(a) Define sociology and society. Discuss the scope of sociology. 10
- 5(b) What is social structure? What are the demerits of social structure? 10
- 5(c) What is crime? What are the causes of crime in Bangladesh? 15
- 6(a) What are culture and civilization? 10
- 6(b) What are the vital role of a community and association for a nation? 15
- 6(c) Explain the cultural bases of human behavior. 10

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| 7(a) | Discuss the theories of urban ecology. | 08 |
| 7(b) | What is urbanism? What are the consequences of urban life? | 12 |
| 7(c) | What are the impacts of industrialization and urbanization in a society? | 15 |
| 8. | Write short note on: (5x7) | 35 |
| | (a) Oriental Society | |
| | (b) Urban and Rural life, | |
| | (c) Poverty in Bangladesh | |
| | (d) Culture of Monipuri tribe | |
| | (e) Industrialization. | |

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