

**KHULNA UNIVERSITY OF ENGINEERING & TECHNOLOGY**

**Department of Mechanical Engineering**

B. Sc. Engineering 1st Year 1st Term Examination, 2012

Hum 1105

(Economics and Sociology)

Time: 3 Hours.

Full Marks: 210

N.B. i) Answer any THREE questions from each section in separate scripts.

ii) Figures in the right margin indicate full marks.

iii) Assume reasonable data if any missing.

**SECTION – A**

- |      |                                                                                   |    |
|------|-----------------------------------------------------------------------------------|----|
| 1(a) | Define economics. Distinguish between microeconomics and macroeconomics.          | 15 |
| 1(b) | Explain the various types of economic system.                                     | 10 |
| 1(c) | Explain GDP and GNP.                                                              | 10 |
| 2(a) | Define price elasticity of demand.                                                | 05 |
| 2(b) | Explain various types of price elasticity of demand with necessary figures.       | 15 |
| 2(c) | Why the demand curve is down-ward slope from left to right?                       | 15 |
| 3(a) | Draw a supply curve.                                                              | 05 |
| 3(b) | What are the factors that cause the supply curve to shift?                        | 15 |
| 3(c) | Explain consumer equilibrium with the help of indifference curve and budget line. | 15 |
| 4(a) | Explain circular flow of national income.                                         | 05 |
| 4(b) | Calculate National Income (NI) Accounts by Income method.                         | 10 |
| 4(c) | Discuss the problems of calculating National Income Accounts.                     | 10 |
| 4(d) | Discuss about market equilibrium.                                                 | 10 |

**SECTION – B**

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|------|---------------------------------------------------------------------------------------|----|
| 5(a) | Define Sociology and Society.                                                         | 10 |
| 5(b) | Discuss the importance of learning Sociology for the student of Engineering.          | 10 |
| 5(c) | Explain the theory “Urbanism as a way of life” by Louis Wirth in your social context. | 15 |

6(a)	What is industrialization and what are the consequences?	10
6(b)	What is the relationship between urbanization and urban growth?	10
6(c)	Explain urbanism as a distinctive mode of life.	15
7(a)	Discuss in brief the functions of a modern family.	10
7(b)	Why is the study of culture and civilization important on Engineering students?	10
7(c)	What are the causes of crime in Bangladesh? Mention its remedies.	15
8(a)	What problems are caused by urbanization and industrialization in Bangladesh?	10
8(b)	Is Bangladesh overpopulated? Explain.	15
8(c)	What are the importance's of Urbanization?	10