

MLISC 1st Semester Examination, 2019

INFORMATION AND COMMUNICATION

PAPER – MLI-101

Full Marks : 40

Time : 2 hours

Answer all questions

The figures in the right hand margin indicate marks

Candidates are required to give their answers in their own words as far as practicable

Illustrate the answers wherever necessary

1. Answer any *four* questions : 2 × 4
- (a) Define Information Science.
 - (b) What is 'Empirical Knowledge' ?
 - (c) What are the disadvantages of primary data ?

- (d) Differentiate between procedural information and stimulatory information.
- (e) What do you understand by propositional approach to information science ?
- (f) State how semantic barrier can affect effective communication.
- (g) State two characteristics of signals in communication.
- (h) What do you mean by 'entropy' ?

2. Answer any *four* questions : 4 × 4

- (a) Explain the relationship of artificial intelligence with Information Science.
- (b) Elucidate Shannon and Weaver's model of Communication.
- (c) Discuss the economic importance of information.
- (d) Explain the background of the birth of Information Science.

- (e) Discuss how sensitivity analysis can help to overcome communication barrier.
- (f) Discuss how governmental and non-governmental activities generates information.
- (g) Explain the different models of information science.
- (h) Explain the impact of information technology on information generation.

3. Answer any *two* questions : 8 × 2

- (a) Describe the different types of Communication.
 - (b) Explain the social and economic importance of information.
 - (c) Describe the different forms of information transmission.
 - (d) Describe the tripartite theory of knowledge.
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