

2016

M.LI.Sc.

1st Semester Examination

INFORMATION AND COMMUNICATION

PAPER—MLI-101

Full Marks : 40

Time : 2 Hours

The figures in the right-hand margin indicate full marks.

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

Answer all questions.

1. Write short notes on any *two* of the following : 2×5
 - (a) EATPUT model.
 - (b) Infoxication.
 - (c) CODATA.

2. (a) (i) Define one bit of information from the probabilistic view point.
 - (ii) Define information entropy.
 - (iii) Describe with examples different types of data used in social sciences.

(Turn Over)

- (iv) Enumerate different properties of data used in the disciplines of science. 4+2+7+2

Or

- (b) (i) Do you think that the subject "Library Science" may be reckoned as a scientific subject? Justify your answer on the basis of "Spiral of Scientific method".
- (ii) State different barriers of communication.
- (iii) Describe Brooke's approach to information theory. 8+3+4
3. (a) (i) What is "Anomalous State of Knowledge"?
- (ii) Describe, in this connection, Belkin's approach to information theory.
- (iii) Outline the genesis and growth of concept of "Informing Science" as a new domain of knowledge. 4+4+7

Or

- (b) (i) Discuss different subject areas which deal with the phenomenon of information as the core concept.
- (ii) Explain briefly the concepts of "Information economics" and "Economics of information".
- (iii) Clarify Daniel Bell's concept of *information* from the viewpoint of the *post-industrial Society*. 7+3+5