

**M. SC. (GEOINFORMATICS) SEM-I (CBCS) (2013 COURSE)
: WINTER - 2017**

SUBJECT : URBAN ENVIRONMENT MANAGEMENT

Day : **Monday**

Date : **27/11/2017**

W-2017-0996

Time : **10.00 AM TO 01.00 PM**

Max. Marks : 60

N.B.

- 1) Answer any **FIVE** questions.
 - 2) Figures to the right indicate **FULL** marks.
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- Q.1** a) Write classification of urban land uses along with colours allotted to denote each land use. (06)
- b) Write different types of surveys used in planning along with examples. (06)
- Q.2** a) Explain impact of urbanization on natural and urban resources. (06)
- b) Write any three climate responsive interventions for built environment in hot dry climate. (06)
- Q.3** a) Housing shortage in India is mainly found in which income groups? Write any three strategies to address the same. (06)
- b) Write characteristics of slums and their impact on image of a city. (06)
- Q.4** a) Explain why public transport should be preferred over private transport. (03)
- b) Explain various stages in urban solid waste management. (03)
- c) Explain hierarchy and importance of open spaces in urban areas. (06)
- Q.5** a) Explain how GIS can play a role in urban environmental management. (06)
- b) Explain how GIS can play a role in disaster management. (06)
- Q.6** Write short notes on any **THREE** : (12)
- a) Characteristics of peripheral area development
 - b) Role of GIS in traffic management
 - c) Role of NGOs in environmental management
 - d) Environmental concerns due to mega development projects

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