

**M. Arch. Sem-I (Sustainable Architecture) (CBCS 2018 Course) :
SUMMER - 2019**

SUBJECT : SUSTAINABLE DEVELOPMENT

Day : Friday
Date : 03/05/2019

S-2019-3744

Time : 2:00PM TO 4:00PM
Max. Marks : 60

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate **FULL** marks.
- 3) Answer to both the sections should be written in **SEPARATE** answer books.
- 4) Assume suitable data and draw figures if necessary.

SECTION – I

- Q.1** Write short notes on (**Any Two**) **(10)**
- a) Types of Ecosystems
 - b) Value of biodiversity
 - c) National Green Tribunal Act 2010
- Q.2** Describe the following terms in detail (**Any Two**) **(10)**
- a) Sustainable Development Goal-11
 - b) Ecological foot print
 - c) Ozone layer depletion
- Q.3** Answer the following (**Any One**) **(10)**
- a) Explain in detail the CDM project process
 - b) What is EIA? Explain in detail the methodology to carry out an EIA.

SECTION - II

- Q.4** Write short notes on (**Any Two**) **(10)**
- a) Need for site assessment
 - b) Role of pervious surfaces in sustainable site development
 - c) Smart city components
- Q.5** Describe the following terms in detail (**Any Two**) **(10)**
- a) Brown field sites
 - b) Wetlands
 - c) Site potentials and constraints
- Q.6** Answer the following (**Any One**) **(10)**
- a) Explain in detail UGC guidelines for Green Campuses
 - b) Role of vegetation in energy conservation

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