

MASTER OF ARCHITECTURE (SUSTAINABLE ARCHITECTURE)
(CBCS - 2018 COURSE) M. Arch. (S.A.) Semester-I : WINTER : 2021
SUBJECT: SUSTAINABLE DEVELOPMENT

Day :Wednesday
Date :29-12-2021

W-19769-2021

Time : 10:00 AM-12:30 PM
Max.Marks 60

N.B.

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

SECTION – I

- Q.1** Write short notes on **(Any TWO)** **(10)**
- a) Benefits of Clean Development Mechanism
 - b) EIA methodologies
 - c) Air Act
- Q.2** Describe the following terms in detail **(Any TWO)** **(10)**
- a) Carbon Trading
 - b) Species and ecological diversity
 - c) Acid Rain
- Q.3** Answer the following **(ANY ONE)** **(10)**
- a) Discuss the strengths and weaknesses of Kyoto Protocol and how it addresses the global environmental concerns.
 - b) Justify how sustainable development plays a role in mitigating climate change.

SECTION - II

- Q.4** Write short notes on **(Any TWO)** **(10)**
- a) Site selection criteria for sustainable site planning
 - b) Noise pollution
 - c) Smart city mission
- Q.5** Describe the following terms in detail **(Any TWO)** **(10)**
- a) Urban heat island
 - b) Holding ponds
 - c) Xeriscape
- Q.6** Answer the following **(ANY ONE)** **(10)**
- a) A site for institutional campus in Jodhpur needs to be developed. Suggest suitable strategies for landscaping and rainwater harvesting
 - b) An existing institutional campus in Jodhpur needs to be converted into green campus as per UGC's green campus policies. Suggest suitable guidelines for the same.