

MASTER OF SCIENCE (ENVIRONMENT SCIENCE & TECHNOLOGY) (CBCS-2019 COURSE)
M.Sc.(Environment Science & Technology) Sem-I : WINTER : 2021
SUBJECT: SUSTAINABLE DEVELOPMENT

Day : Friday

Time : 10:00 AM-01:00 PM

Date : 07-01-2022

W-21202-2021

Max.Marks 60

N.B. :

- 1) Attempt **ANY THREE** questions from **Q. No. 1** to **Q. No. 5**.
- 2) **Q. No. 6** is **COMPULSORY**.
- 3) Figures to the right indicate **FULL** marks.
- 4) Draw diagrams **WHEREVER** necessary.

- Q.1** a) Draw a sustainability triangle for agriculture highlighting the issues involved (06)
- b) 'Higher GDP is equivalent to a higher quality of life.' Do you agree or disagree with the statement. Justify your answer. (06)
- Q.2** a) Discuss how consumerism and inequality in society can contribute to unsustainable development. Use the sustainability triangle to show linkages. Your answer must be very specific. (06)
- b) Why does each sector need to incorporate the concept of sustainable development? (06)
- Q.3** a) Highlight three achievements and three failures of the Millennium Development Goals. (06)
- b) Describe any two technological innovations in the water sector that have led to sustainable development in India. (06)
- Q.4** a) What are the various means of financing that can accelerate the sustainable development process. (06)
- b) What do you understand by education for sustainable development? What are the interlinkages between ESD and sustainable development? (06)
- Q.5** a) What do you understand by transformative learning? Give examples to support your answer. (06)
- b) Write a note on need, challenges and practices of greening the curriculum in India. (06)
- Q.6** Write short notes on **ANY THREE** of the following: (12)
- a) Inquiry based learning pedagogy
 - b) Systems thinking for sustainable development
 - c) Learning strategies for ESD.
 - d) Role of sustainable consumption

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