

M. SC. (ENVIRONMENT SCIENCE AND TECHNOLOGY)
SEM - I (CBCS) (2013 COURSE) : WINTER - 2017
SUBJECT: FUNDAMENTAL OF SUSTAINABLE DEVELOPMENT

Day: **Monday**
Date: **27/11/2017**

Time: **10.00 AM TO 01.00 PM**
Max Marks. **60**

W-2017-0985

N.B.

- 1) Answer any **FIVE** questions.
 - 2) Figures to the right indicate **FULL** marks.
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- Q.1** a) Trace the development of sustainable development concepts through a diagrammatic timeline. (06)
- b) Give two examples of technology innovation that has led to sustainable development. (06)
- Q.2** a) Using the examples of solid waste create the sustainability triangle. (06)
- b) Give two examples of inclusive development strategies that have brought about sustainable development. (06)
- Q.3** a) It is said that political governance is the fourth pillar of sustainability along with economic, social and environment. Elaborate. (06)
- b) Increasing gender disparity can bring about unsustainable development. Support your answer with examples. (06)
- Q.4** a) Explain diagrammatically only how destruction of green cover can bring about unsustainable development. Use the three pillars of sustainability in your diagram. (06)
- b) What according to you are the various components of a sustainable city? Elaborate with examples and diagrams. (06)
- Q.5** a) Stakeholder management is a key component of sustainable development. Elaborate. (06)
- b) What does education for sustainable development entail? How can it be implemented? (06)
- Q.6** Write short notes on any **THREE** (12)
- a) Green curriculum
 - b) Agenda 21
 - c) Transformative learning
 - d) Leadership for sustainable development