

**POST GRADUATE DIPLOMA IN
SUSTAINABILITY SCIENCE (PGDSS)**

Term-End Examination

00013

June, 2017

MSD-011 : SUSTAINABILITY SCIENCE

Time : 3 hours

Maximum Marks : 100

Note : Attempt any *ten* questions. Each question carries 10 marks. Answer the following questions in about 500 words each.

1. Explain in brief, the concept of ecological footprint, bio-capacity and sustainable development. How are ecological footprint and bio-capacity related to sustainable development? 3+7=10
2. Briefly discuss the concepts and issues of 'Feminization of poverty' in India. 5+5=10
3. Explain the 'Pressure-State-Response' model indicators with suitable examples. State any four problems associated with developing indicators of sustainability. 6+4=10

4. "For a sustainable livelihood, India needs production by masses and not mass production."
Elaborate the statement. 10

5. Define the term 'Climate Change'. What are the major impacts of climate change in India's rural livelihood ? 2+8=10

6. What are the four major essential components of technology ? Briefly explain each component. 4+6=10

7. Explain the concept of 'Eco-philosophy'. What are the five key tenets of it ? 5+5=10

8. Briefly explain the different strategies and approaches to environmental education formulated by UNEP. 10

9. Define the term 'Gross National Happiness'. Explain any four dimensions of it. 2+8=10

10. Write an essay on 'Integrated Natural Resource Management'. 10

11. Define the terms 'Veblen Effect' and 'Pseudo Satisfiers' with suitable examples. 5+5=10

12. Briefly explain any two major challenges to sustainable development in India. 5+5=10

13. Why is landscape ecology a very important component for natural resource management ? Explain with suitable examples. 10
14. Explain the concept of 'Intergenerational equity' and 'Intragenerational equity' with suitable examples. 5+5=10
15. Briefly explain the concept of the evergreen revolution and its major components. 4+6=10
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