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MSD-011

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

Term-End Examination

June, 2023

MSD-011 : SUSTAINABILITY SCIENCE

Time : 3 Hours

Maximum Marks : 100

Note : (i) *Attempt any **ten** questions.*

(ii) *Each questions carries **10** marks.*

1. What is sustainable development and why is it necessary ? 5+5=10
2. What are the major challenges in achieving sustainable development. 10
3. What are *five* levels of hierarchy of needs as proposed by Abraham Maslow ? Discuss the modification/additions in the levels. 5+5
4. Define sustainability science. Describe concepts and goals of sustainable science. 10

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5. Give a brief description of sustainability indicators and their relevance. 10
6. Describe the various approaches of natural resource management. 10
7. What is landscape ecology ? Give various factors affecting changes on landscape diversity. 2+8=10
8. What is Watershed ? Describe approaches for watershed management. 2+8=10
9. Write a note on participatory development communication. What are tools for effective participatory development communication. 5+5=10
10. Discuss the various issues of human resource development and basic dimensions of human development index. 5+5=10
11. How our changing lifestyles are affecting the environmental sustainability ? Elaborate your answer with suitable examples. 10
12. Give an account of environmental awareness and discuss the philosophy of Indian culture and scriptures on environmental conservation.

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13. What is sustainable technology and discuss the constrain in adopting them. 10
14. Write short notes on any *two* of the followings : 5×2=10
- (i) Sustainable rural livelihood
 - (ii) Intra and Inter generational equity
 - (iii) Gender and natural resource management