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

Term-End Examination

June, 2018

MSD-011 : SUSTAINABILITY SCIENCE

Time : 3 hours

Maximum Marks : 100

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- Note :**
- (i) *Attempt any ten questions. Each question carries 10 marks.*
 - (ii) *Answer the following questions in about 500 words each.*
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1. Explain the concept of watershed management. Describe any five major objectives of watershed management. Analyse the linkages between watershed and local livelihood. 10
2. What is landscape ecology ? Describe any five factors affecting changes on landscape diversity. Explain any three arguments for integration of cultural knowledge into landscape management. 10
3. Describe in detail the four phases of participatory development with suitable examples. 10
4. Define human development. Describe any four issues considered as central to human resource development. 10

5. Describe the concept of 'eco-friendly lifestyle' with suitable examples. 10
 6. "The need of the hour is an 'ethical pull' to 'technological push.'" Justify the statement with suitable arguments. 10
 7. Explain in detail the linkages among the three dimension of sustainable development with suitable examples. 10
 8. Explain any two challenges of sustainable development with suitable examples. 10
 9. Elaborate Max - Neef Manfred's Human Scale Development Approach. 10
 10. Explain the central elements of sustainability science with suitable examples. 10
 11. Explain the concept of sustainable livelihood security and it's linkages with other modern welfare concepts. 10
 12. Explain the community gene seed, grain, fodder and water banks model of MSSRF. 10
 13. Discuss the concept of sustainable technology with suitable examples. 10
 14. Critically examine the concept of 'limit to growth' with appropriate examples. 10
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