

ROLL No.: 

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Total number of pages: [ 1 ]

Total number of questions: 08

M.Tech. – EVS 5<sup>th</sup> Sem (Reappear)  
**SOLID WASTE MANAGEMENT**

May 2018

Subject Code: ES-522

Paper ID:

Batch: 2011onwards

Time allowed: 3 Hrs

Max Marks: 100

**Important Instructions:**

- Attempt any five questions
- All questions carry equal marks
- Assume any missing data

- Q. 1. Discuss various sources of solid waste and techniques associated with processing. (20)
- Q. 2. Discuss ecology with emphasis on any ecosystem. What changes have occurred due to modernization? (15+5)
- Q. 3. How hospital waste is disposed and recycled? What are threats associated with unsafe disposal of hospital waste? (10+10)
- Q. 4. Explain in detail the use of landfills in solid waste management. (20)
- Q. 5. Write notes on following : (10+10)  
i) Thermal volume reduction  
ii) Biodegradable and non-biodegradable wastes
- Q. 6. Explain in detail the management and recycling of Forest residues. (20)
- Q. 7. Discuss the hazardous impact of Toxic solid wastes on environment. (20)
- Q. 8. Discuss some of the innovative ideas for better solid waste management. (20)

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