

Mid-West University  
Examinations Management Office  
Birendranagar, Surkhet  
End - Semester Examination, 2081

Subject: RD 532 – Rural Technology and Skill Development  
Level/program: Master (M.A) Semester: III Time: 3 Hours

FM:60  
PM: 30

*Candidates are required to answer the questions in their own words as far as practicable.*

Attempt **ALL** of the following Very Short Answer Questions.

10x1=10

1. What are the 5 "SA" of Appropriate Technology?
2. What is the method of preparation of compost manure?
3. How is the *khatte* made in traditional way?
4. Give some examples of indigenous technology on Nepal.
5. Write any four principle of green road in rural transportation.
6. How is "Mahi-Making" technology performed?
7. Say about challenges to rural technology.
8. Differentiate between renewable energy and non-renewable energy.
9. How does rope way technology help rural people?
10. Why is organic agriculture needed in farming system?

Attempt any **THREE** of the Following Short Questions.

3x8=24

11. Explain the fitting technology of Solar-Photovoltaic Technology and Bio-gas (gobar gas) with a diagram.
12. Enumerate the SODIS making process Technology with their benefits and challenges in the Rural Areas.
13. What is Appropriate Technology? Explain the role of appropriate technology in transformation in rural scene.
14. Describe the advantages and disadvantage of technology mechanism of Plectric Set Hydro.

Attempt any **TWO** of the Following Long Questions.

2x13 =26

15. Discuss the importance of biomass energy in rural development. Explain the working mechanism with its figure.
16. Discuss the advantages and dis-advantages on rain water harvesting and drip irrigation system used as rural technology in rural areas.
17. Why is the traditional water mill used in rural area? What are the constrains faces by the rural people?

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