

RDL730 TECHNOLOGY ALTERNATIVES FOR RURAL DEVELOPMENT

Major Examination

1st May 2008

Max Marks : 55

Max Time : 2 Hrs

Q1. In the contemporary context, why is the study of Alternative Technologies / Appropriate Technologies important? Identify the four chief characteristics of Rural Development that would be achieved by means of Alternative / Appropriate Technologies.

8 Marks

Q2. In your opinion, what are the chief problems faced by the Indian Handlooms Sector? Trace where the roots of this crisis lie. What steps would you recommend to make a transition to a vibrant textile industry.

7 Marks

Q3. The following table gives a summary of India's Total Primary Energy Production (1000 MW). Analyse the implication of energy scenario for the rural communities and suggest technology options, resource use and technology dissemination models for rural energy security.

20 Marks

EnergySource	1997	2002	2003	2004	2005
Hydroelectric	21.65	26.26	26.76	29.50	30.94
Nuclear	2.22	2.72	2.72	2.72	2.77
Geothermal/Solar/Wind/Biomass	1.27	1.51	1.74	1.87	3.81
Conventional Thermal	59.64	74.55	76.65	77.97	80.90
Total Capacity	85.79	105.05	107.88	112.06	118.42

Q4. The following chart (extract from Vision 2020 Document prepared by the Planning Commission) is a summary of current and projected food production in 2020. Which specific measures need to be implemented to achieve targets of food production in India. (BAU : Business as usual, BCS : Best Case Scenario)

20 Marks

Figure 1: Current & Projected Food Production vs. Demand in 2020

