

22505

12425

3 Hours / 70 Marks

Seat No.

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- Instructions :**
- (1) All Questions are *compulsory*.
  - (2) Illustrate your answers with neat sketches wherever necessary.
  - (3) Figures to the right indicate full marks.
  - (4) Assume suitable data, if necessary.
  - (5) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

**Marks**

**1. Attempt any FIVE of the following :**

**10**

- (a) State the objectives of Rural development.
- (b) Define Rain Water Harvesting.
- (c) List the objectives of credit-cum subsidy scheme of rural housing.
- (d) Enlist the sources of funds for rural development.
- (e) State the need of development of rural roads.
- (f) State the key features of rural economy.
- (g) Enlist the types of irrigation system.

**2. Attempt any THREE of the following :**

**12**

- (a) Explain the organizational set-up of CAPART.
- (b) Draw a layout of drip irrigation system for micro-irrigation project.
- (c) Illustrate Gabian structure with neat sketch.
- (d) Explain the principle of low cost housing.



- 3. Attempt any THREE of the following : 12**
- (a) Explain the working of Biogas plant with neat sketch.
  - (b) Draw a flow diagram of stone crushing plant.
  - (c) Select the local material for the low cost housing.
  - (d) State the various types of Agro-based industry and explain any one in brief.
- 4. Attempt any THREE of the following : 12**
- (a) State the various activities that should be conducted for creating awareness for use of non-conventional energy product.
  - (b) Explain the integrated rural energy programme.
  - (c) Describe the procedure mentioned in Prime Minister Rural Development Fellow Scheme for the rural area.
  - (d) Suggest the various criteria for setting the brick manufacturing industry in rural area.
  - (e) State the necessity of planning for the development of rural area.
- 5. Attempt any TWO of the following : 12**
- (a) Illustrate the procedure of rain water harvesting with ground water recharge pit with neat sketch.
  - (b) Plan the rural sanitation system with suitable method for small village.
  - (c) Identify the salient features of rural building centers for development of rural area.
- 6. Attempt any TWO of the following : 12**
- (a) Explain the main features of National Rural Development Guarantee Act, 2005.
  - (b) Describe the process of micro level planning w.r.t. agriculture for rural area.
  - (c) Describe the de-centralization policy of planning of India.
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