



22505

12223

3 Hours / 70 Marks

Seat No.

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- Instructions :**
- (1) All Questions are *compulsory*.
 - (2) Answer each next main Question on a new page.
 - (3) Illustrate your answers with neat sketches wherever necessary.
 - (4) Figures to the right indicate full marks.
 - (5) Assume suitable data, if necessary.
 - (6) Use of Non-programmable Electronic Pocket Calculator is permissible.
 - (7) 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 significance of rural development.
- (b) List the various water shed management structures.
- (c) List the salient features of credit cum subsidy scheme of rural housing.
- (d) State the sources of funds for rural development.
- (e) State the government policies pertaining to rural development.
- (f) Give the meaning of the term – ‘Socio economic survey’.
- (g) Give the meaning of the term – ‘Rain water harvesting’.

2. Attempt any THREE of the following :

12

- (a) Explain the role of civil engineer in the development of rural area.
- (b) State the advantages of K.T. weir and contour bonding.
- (c) Explain the working of a soak pit with a neat labelled sketch.
- (d) Explain about the Indira Awas Yojana.



- 3. Attempt any THREE of the following :** **12**
- (a) Explain the working of a gobar gas plant with a neat sketch.
 - (b) Explain the salient features of Pradhan Mantri Gram Sadak Yojana.
 - (c) State the principles and purposes of Low Cost Housing.
 - (d) State the significance of using dung cakes and agricultural residues as a fuel.
- 4. Attempt any THREE of the following :** **12**
- (a) Explain the terms – ‘Horticulture’ and ‘Sericulture’.
 - (b) Suggest the criteria with justification for setting the agro based industry for the rural area.
 - (c) Explain the financial aspects associated with the artificial sandstone crushing plant.
 - (d) Explain the salient features of National Rural Employment Guarantee Act, 2005.
 - (e) State the necessity of planning for development of rural area.
- 5. Attempt any TWO of the following :** **12**
- (a) Draw the layout of drip irrigation and show its component parts.
 - (b) Illustrate the procedure of construction of farm pond with a neat sketch.
 - (c) Calculate the minimum amount of energy required to cater the need of domestic cooking, heating and lighting for a population of 3000 people.
- 6. Attempt any TWO of the following :** **12**
- (a) Compare the Swarnajayanti from Swarojgar Yojana and the Sampoorna Grameen Rojgar Yojana.
 - (b) Describe the process of Micro level planning with respect to agriculture.
 - (c) Explain the methodology used for executing the block and district level planning.

