

22505

23124

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 objectives of rural development.
- (b) State the purpose of irrigation system.
- (c) Define cottage industry.
- (d) Enlist the central government schemes for rural development.
- (e) State the objectives of renewable and integrated rural energy program.
- (f) Enlist the functions of Panchayat Samiti.
- (g) Enlist the advantages of Rain-water harvesting.

2. Attempt any THREE of the following :

12

- (a) Prepare the questionnaires for Socio-Economic survey for the village.
- (b) State the need of rain-water harvesting.
- (c) Explain function of K.T. Weir and contour bunding.
- (d) Explain Pradhan Mantri Gram Sadak Yojana.



- 3. Attempt any THREE of the following : 12**
- (a) State the purpose of setting rural building centers across the country.
 - (b) Draw c/s of rural roads and suggest the dimension of various components.
 - (c) Draw a neat sketch of Gobar Gas Plant and explain working of it.
 - (d) Explain the salient key features of Indira Awas Yojana.
- 4. Attempt any THREE of the following : 12**
- (a) Explain domestic institutional and non-institutional sources of funds for rural development in India.
 - (b) Suggest the criteria for setting the agro based industry for the rural area.
 - (c) Draw a flow diagram of stone crushing plant.
 - (d) Explain the salient features of Prime Minister Rural Development Fellow Scheme.
 - (e) Explain the need of de-centralization of planning in India.
- 5. Attempt any TWO of the following : 12**
- (a) Draw a layout of sprinkler irrigation system showing its components.
 - (b) Illustrate the procedure of ground-water recharging technique by rain-water harvesting.
 - (c) Explain principles of low cost housing.
- 6. Attempt any TWO of the following : 12**
- (a) Explain main features of National Rural Employment Guarantee Act, 2005.
 - (b) Explain methodology used for executing the block and district level planning.
 - (c) Describe the function of planning at micro, meso and marco level for rural area.
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