

22505

23242

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) 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 need of rural development.
- (b) Give the meaning of following :
 - (i) Rainwater Harvesting
 - (ii) Watershed Management
- (c) State the principle of low cost housing.
- (d) State the purpose of credit-cum-subsidy scheme of rural housing.
- (e) State the sources of funds for rural development.
- (f) Enlist various cottage industries.
- (g) State the government policies pertaining to rural development.

2. Attempt any THREE of the following :

12

- (a) Describe social economy survey with its necessity.
- (b) Illustrate KT weir and contour bunding with neat sketch.
- (c) State the key feature of Indira Awas Yojana.



- (d) Explain the criteria of site selection for following cottage industry :
- (i) Brick manufacturing
 - (ii) Artificial sand manufacturing
- 3. Attempt any THREE of the following : 12**
- (a) Draw layout of drip irrigation system showing various components of it.
 - (b) Explain role of civil engineer in the development of rural area.
 - (c) Explain low cost housing model for a rural area.
 - (d) State any four components of rain water harvesting with their function.
- 4. Attempt any THREE of the following : 12**
- (a) Explain the working of Biogas Plant with neat sketch.
 - (b) State the necessity of planning for the development of rural area.
 - (c) Explain National Rural Employment Guarantee Act, 2005.
 - (d) Explain the organizational set-up of CAPART.
 - (e) Explain rural water supply with neat flow chart.
- 5. Attempt any TWO of the following : 12**
- (a) Illustrate the procedure of the construction of farm pond with neat sketch.
 - (b) State various types of screen used in stone crushing plant. Give the advantage and disadvantage of rotating screen.
 - (c) Explain “Decentralization Policy of Planning”.
- 6. Attempt any TWO of the following : 12**
- (a) Enlist various types of crusher. Explain jaw crusher in detail.
 - (b) Describe Prime Minister Rural Development Fellow Scheme with respect to following points :
 - (i) Role of PMRDF
 - (ii) Eligibility Criteria
 - (iii) Tenure of Fellowship
 - (c) Describe the levels of planning with their function.
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