

**Scheme – I**  
**Sample Question Paper**

**Program Name** : Civil Engineering Program Group  
**Program Code** : CE/CR/CS  
**Semester** : Fifth  
**Course Title** : Rural Development (Elective)  
**Max. Marks** : 70

**22505**

**Time: 3 Hours**

---

**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) Preferably, write the answers in sequential order.

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

**10 Marks**

- a. State the significance of rural development.
- b. List various water shade management structure.
- c. Suggest the width of Roadway and carriage way for village road.
- d. State the source of funds for rural development.
- e. State the Government policies pertaining to rural development.
- f. State the economical significance of rural development.
- g. Give the meaning of the term “rain water harvesting”.

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

**12 Marks**

- a. Explain the Role of Civil Engineer in the development of rural area.
- b. Explain the function of Gabbian structure & contour bunding.
- c. Describe the remedial measures to be taken to prevent pollution of bore hole.
- d. Explain Indira Awas Yojna.

**Q.3) Attempt any THREE of the following.**

**12 Marks**

- a. State the objectives of integrated rural energy program.
- b. Explain the working of Gobar Gas Plant with neat sketch
- c. Draw C/s of rural road and suggest the dimensions of various components.
- d. Explain the silent features of Pradhan Mantri Gram Sadak Yojna

**Q.4) Attempt any THREE of the following.**

**12 Marks**

- a. Enlist the two advantages of following
  - i) Sericulture
  - ii) Fishery
- b. Suggest the criteria with justification for setting the agro based industry for the rural area
- c. Describe the criteria for getting foreign financial aid for cottage industry
- d. Explain the salient feature of National Rural Employment Guarantee Act 2005.
- e. State the necessity of planning for the development of rural area.

**Q.5) Attempt any TWO of the following.**

**12 Marks**

- a. Draw layout of Drip Irrigation system showing its component.
- b. Illustrate the procedure of the construction of farm pond with neat sketch.
- c. Calculate the minimum amount of energy, required to cater the need for domestic cooking, heating and lighting for 2000 population.

**Q.6) Attempt any TWO of the following.**

**12 Marks**

- a. Describe the procedure mentioned in prime minister rural development fellow scheme For rural development.
- b. Explain the methodology used for executing the block and district level planning
- c. Describe the functions of planning at micro, meso and macro levels for rural area.

**Scheme – I**  
**Sample Test Paper - I**

**Program Name** : Civil Engineering Program Group  
**Program Code** : CE/CR/CS  
**Semester** : Fifth  
**Course Title** : Rural Development (Elective)  
**Max. Marks** : 20

**22505**

**Time: 1 Hour**

---

**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) Preferably, write the answers in sequential order.

**Q.1 Attempt any FOUR of the following.**

**08 Marks**

- a) State the need of rural development.
- b) State any four water shade management structure.
- c) Enlist any four preventive measures to protect the borehole.
- d) State the principle of low cost housing.
- e) State the purpose of credit-cum-subsidy scheme of rural housing.
- f) State the objectives of Indira Awas Yojna.

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

**12 Marks**

- a) Prepare a typical for questionnaire for conducting socio economic survey.
- b) Draw layout and show component parts of Drip Irrigation System.
- c) State any two advantages and disadvantages of K.T. Weir.
- d) Explain Gabbian structure with neat sketch.
- e) Summarize the salient features of Pradhan Mantri Gram Sadak Yojna.

**Scheme – I**  
**Sample Test Paper - II**

**Program Name** : Civil Engineering Program Group  
**Program Code** : CE/CR/CS  
**Semester** : Fifth  
**Course Title** : Rural Development (Elective)  
**Max. Marks** : 20

**22505**

**Time: 1 Hour**

---

**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) Preferably, write the answers in sequential order.

**Q.1 Attempt any FOUR of the following.**

**08 Marks**

- a) Enlist any four source of renewable energy.
- b) State various cottage industries.
- c) State any four Central Government Schemes for Rural Development.
- d) State the different levels of planning.
- e) Explain the function of planning at micro level for the given rural area.
- f) State the purpose of decentralization policy of planning.

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

**12 Marks**

- a) Explain the working of Gobar Gas Plant.
- b) State types of agro based industry, explain any one.
- c) Explain the various sources of funds for the development of the rural area.
- d) Explain Deen Dayal Upadhyay Yojna.
- e) Describe the method used for executing the Block and District Level Planning.

-----