

**'I'-Scheme  
Sample Question Paper**

**22601**

**Programme Name : Civil Engineering**  
**Programme Code: CE/CR/CS**  
**Semester : Sixth**  
**Course Title : Contracts and Accounts (CAA)**  
**Max. Marks : 70**

**Time: 3 Hours**

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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) Preferably, write the answers in sequential order.
- (6) Use of programmable calculator is permissible.

**Q.1 Attempt any FIVE of the following. (10 Marks)**

- a. Define contract and list four requirements of valid contract.
- b. State four conditions under which the contract is terminated.
- c. Define Built Operate and Transfer contract and state examples of it.
- d. State the necessity of corrigendum to tender notice.
- e. Define the terms i) Bill ii) Voucher
- f. Differentiate between cost and price in case of building.
- g. Define valuation and state two necessities of it.

**Q.2 Attempt any THREE of the following. (12 Marks)**

- a. Draw organizational structure of PWD. State two functions each of any one personnel in the structure
- b. Explain the terms i) Administrative Approval ii) Technical sanction .iii) Budget provision iv) Expenditure sanction
- c. Explain the procedure of initiating the government work by PWD.
- d. List out four types of engineering contract. Explain negotiated contract in detail.

**Q.3) Attempt any THREE of the following. (12 Marks)**

- a. Enlist the classes of contractors on the basis of financial limits in PWD.
- b. Justify the importance of BOT contract on the basis of objective and advantages.
- c. Explain the procedure of arbitration used in resolving the disputes between contractor and user. State two advantages of it.
- d. Explain the situations when lowest tender is neglected.

**Q.4) Attempt any THREE of the following. (12 Marks)**

- a. Differentiate between secured advance and advance payment on the basis of definition and mode of payment.
- b. Define indent and invoice. Rule out the Form no.7 of indent and invoice.
- c. Prepare NMR-Part- I.as per the details given below .The NMR is maintained from Monday 22<sup>nd</sup> July 2019 to Sunday 28<sup>th</sup> July 2019. Weekly off is on Wednesday
  - i)Gajanan Shivaji (mason) Rs. 600 per day Absent on 25<sup>th</sup> A.N.
  - ii)Kasim Iqbal(mason) Rs. 600 per day Absent on 25<sup>th</sup> B.N.
  - iii)Seetabai Morape (Female labour) Rs.400 per day present all days
  - iv)Dagdu Vithoba (male labour) Rs. 400 per day Absent on 26<sup>th</sup>
  - v) Vilas Bapurao (male labour) Rs.400 per day present all days
- d. Describe the points to be observed while drafting specification of an item
- e. Mention the types of specification. Explain manufacturers specification

**Q.5) Attempt any TWO of the following. (12 Marks)**

- a. Draft a tender notice for construction of Girls hostel building at your polytechnic costing Rs.1.2 crores, Assume suitable information if required.
- b. Explain six necessities of valuation.
- c. Differentiate between Depreciation and Obsolescence on the basis of definition, recovery of amount and methods of calculation.

**Q.6) Attempt any TWO of the following. (12 Marks)**

- a. Explain the detailed procedure of submission of tender along with the documents. .
- b. Draft the detailed specification for R.C.C. slab in C.C.1:1.5:3.
- c. A person purchases a plot measuring 150sqm at the rate of Rs. 3000/sqm. He constructs a building having builtup area 70sq.m.. The cost of construction is Rs. 6500/sq.m. He desires to have net income of 12% on building cost and 8% on cost of plot. Assume outgoings as 30% of gross rent , Rs.1200 per year as sinking fund installment, Rs.500per year as repairs and maintainance. Calculate the suitable rent per month for a residential bungalow.

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**'T' Scheme  
Sample Test Paper I**

**22601**

**Programme Name: Civil Engineering**  
**Programme Code: CECR/CS**  
**Semester: Sixth**  
**Course Name: Contracts And Accounts (CAA)**  
**Max Marks: 20**

**Time: 1 hour**

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Sample Question Paper Profile for CO Attainment is shown below:

**Note:** Que.1-Answer any 4 out of 6 questions  
Que. 2-Answer any 3 out of 5 questions

**Class Test I**

**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

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

**(8 Marks)**

- a) State any two functions of executive Engineer.
- b) Draw an organisational chart of PWD.
- c) Differentiate item rate contract and percentage rate.
- d) State any two salient features of BOT Project.
- e) State two circumstances under which lowest tender is rejected by department.
- f) Define arbitration and state its necessity.

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

**(12 Marks)**

- a) List four methods used in PWD for carrying out works and explain rate list method in brief.
- b) Suggest and justify type of contract suitable for ,
  - 1) Construction of hostel building.
  - 2) Purchase of office furniture.
- c) List various documents required for registration as a contractor in PWD.
- d) Explain types of tender forms used in PWD.
- e) Draft a tender notice for the construction of independent Library building for your institute costing Rs. 90 lakhs. Assume suitable data if required.

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**'I' Scheme  
Sample Test paper II**

**22601**

**Programme Name: Civil Engineering**  
**Programme Code: CE/CR/CS**  
**Course Name: Contracts And Accounts**  
**Semester: Sixth**  
**Max Marks: 20**

**Time: 1 hour**

Sample Question Paper Profile for CO Attainment is shown below:

**Note:** Que.1- Answer any 4 out of 6 questions  
Que. 2- Answer any 3 out of 5 questions

**Class Test II**

**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.**

**(8 Marks)**

- a) Differentiate between advance payment and secured advance payment.
- b) Mention the use of - 1. NMR 2. Indent
- c) Define specification and State two types of specification.
- d) State two importance of specifications.
- e) Differentiate between scrap value and salvage value.
- f) Define outgoings and state two types of outgoings.

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

**(12 Marks)**

- a) Explain two types of advances granted to contractor in PWD.
- b) Draft a detailed specification for Second class burn brick masonry in C.M 1:6 in Superstructure.
- c) Draft a detailed specification for R.C.C slab in CC (1:1.5:3).
- d) A land of 500 sq.m. area is purchased by a person at Rs. 1500 /- per sq.m. and a house of 200 sq.m. Plinth area is constructed at the rate of Rs.11000 per sq.m.He desires return on cost of land at 6% and cost of house 10%.work out the rent per month for a property if outgoings are 30% of gross income.
- e) Work out the book value of an asset costing Rs. 10 lakh after ten years. Life of asset is 50 years and its salvage value is Rs 10,000/-.

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