

Scheme - G

Sample Question Paper

Course Name : Civil Engineering Group

Course Code : CE/CS/CR

Semester : Sixth for CE/CS/CR And Seventh for CV

Subject Title : Contracts and Accounts

Marks : 100

17603

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

Q1. A) Attempt any THREE

12 Marks

- a) Write two functions of executive engineer and junior engineer in the construction work
- b) Define Contract .List four types of contracts.
- c) Write four requirements of a valid contract for the construction of civil engineering work
- d) Write eight points to be included while drafting a tender notice.
- e) What is schedule A? Draw its tabular format.

B) Attempt any ONE.

06 Marks

- a) List four methods used in PWD for execution of work. State the situation where each one is used.
- b) Write six precautions to be taken while making entries in measurement book. Draw format used for measurement book.

Q.2 Attempt any FOUR.

16 Marks

- a) Draw Organizational Chart of PWD office headed by chief engineer.
- b) Differentiate administrative approval and technical sanction giving four parameters.
- c) Write meaning of negotiated contract. Give situations where it is used.
- d) State four features of BOT project. Give two examples.
- e) What is indent and invoice. Give use of each
- f) What is advance payment and secured advance. Give the situation under which it is given

Q.3 Attempt any FOUR.**16 Marks**

- a) Give the meaning of defect liability period and liquidated damages.
- b) Define earnest money and security deposit. Give the percentage of each
- c) Describe the procedure of submitting filled tender document. Give four points
- d) Differentiate between percentage rate contract and item rate contract with respect to four points
- e) Give two advantages and two disadvantages of target contract.

Q.4 (A) Attempt any THREE.**12 Marks**

- a) What is cash book? Give the format of cash book
- b) Write four circumstances under a lowest tender is rejected.
- c) Give the four necessities of specification.
- d) State the meaning of salvage value and scrap value.

(B) Attempt Any ONE.**06 Marks**

- a) State the classes of contractor. List the six important documents to be submitted for the registration of contractor.
- b) What is NMR. Draw the format of NMR

Q.5 Attempt any TWO.**16 Marks**

- a) Draft a tender notice for the construction of girls hostel costing Rs.100 Lakhs.
- b) A person purchases a plot measuring 450 sqm. @ Rs.1200 per Sq.m. He constructs a building having built-up area 150 Sqm. The Cost of construction is Rs 5000 per Sq.m. He desires a net returns on construction cost as 10 % and on land cost 8%. He expects repair and maintenance cost 0.5 % of construction cost and other outgoings 20 % of gross rent.
 - c) i) Suggest a suitable monthly rent for the building
 - ii) (a) A property have its rent inclusive of all taxes is Rs.650/-per month. The outgoings of the property 20% of gross rent and net yield expected from property is 6%. Calculate the capitalized value of the property
 - (b) Calculate the book value of property at the end of tenth year having construction cost of Rs.160000/- life of building is 60 years. Salvage value is Rs.15000/-.

Q.6 Attempt any FOUR.**16 Marks**

- a) Write the four necessities of specification.
- b) Draft the detailed specification for second class burnt brick masonry in Cement mortar 1:6 for superstructure.
- c) State the different types of specifications. Give the details any one specification
- d) Define Sinking Fund and Years Purchase.
- e) Define depreciation. Give the four methods of depreciation.

Scheme - G

Sample Test Paper - I

Course Name : Civil Engineering Group

Course Code : CE/CS/CR

Semester : Sixth for CE/CS/CR And Seventh for CV

Subject Title : Contracts and Accounts

Marks : 25

Time: 1 Hour

17603

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.

Q1. Attempt any THREE

09 Marks

- a) Define administrative approval and technical sanction
- b) Define lumpsum contract. Give its suitability
- c) Define tender. List the types of tenders
- d) Define arbitration and escalation

Q2. Attempt any TWO

08 Marks

- a) Draw the organizational structure of PWD
- b) State two advantages and two disadvantages item rate contract.
- c) Give any four precautions to be taken at the time of tender scrutiny.

Q3. Attempt any TWO

08 Marks

- a) State the two advantages and two disadvantages of BOT project
- b) Write the meaning of earnest money and give its percentage
- c) What is schedule B. Draw the format of schedule B

Scheme - G

Sample Test Paper - II

Course Name : Civil Engineering Group

Course Code : CE/CS/CR

Semester : Sixth for CE/CS/CR And Seventh for CV

Subject Title : Contracts and Accounts

Marks : 25

17603

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.

Q1. Attempt any THREE

09 Marks

- a) List six account forms used in PWD
- b) State the legal aspects of the specification
- c) Define cost, prize, value
- d) State six factors affecting valuation

Q2. Attempt any TWO

08 Marks

- a) What is NMR. Give the uses of NMR
- b) List the six importance of specifications in civil engineering work
- c) State the four necessities of valuation of property

Q3. Attempt any TWO

08 Marks

- a) Draft a detailed specification of 12mm thick cement plaster in CM (1:5)
- b) Calculate the capitalized value of a property from the following data. Rent inclusive of all taxes is Rs.800/-per month, Outgoings 22% of Gross Rent, Net Yield Expected from Property is 5%.
- c) Define depreciation .How annual depreciation is calculated by straight line method