

*Note: (a) All questions are compulsory. (b) Each question is of 5 Marks.*

*(c) The candidate is allowed to make Suitable numeric assumptions wherever required for solving problems*

- Q1. Define valuation? What are the important factors influencing the value of building?  
What is the purpose of valuations?
- Q2. Define Floor rate, Plinth area rate. Find the plinth area required for the residential accommodation for an assistant Engineer in the pay scale of Rs.400.00 to 1,000 per month?
- Q3. An old building has been purchased by a person at a cost of Rs.30,000/- excluding the cost of the land. Calculate the amount of annual sinking fund at 4% interest assuming the future life of the building as 20 years and scarp value of the building as 10% of the cost of purchase.
- Q4. Define Contract, Contractor & Tender. What are the types of contract? What are types of termination of contract?
- Q5. Govt. accommodation is built at the cost of Rs. 60,000/- . The water supply and sanitary and electrical installation expenditure is Rs. 15000/-. Calculate the standard rent of the building if the following rates of return are fixed: 6% on construction cost. 1.5 % towards maintenance of building work, 4.5 % on installation expenditure. 4% on maintenance of installation. Rs. 120/- as property tax per year. Cost of land is being neglected.
- Q6. Write a report on estimate for construction of a culvert or estimate for the construction of residential building.
- Q7. What are the types of estimate? Estimate the quantities of brickwork and plastering required in a wall 4 m long, 3m high and 30 cm thick. Calculate also the cost if the rate of brickwork is Rs.32.00 per cu.m and of plastering is Rs. 8.50 per sq.m