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Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.

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c. Two holiday cottage are under consideration compare the present worth of the cost of 24 years service at an Interest rate of 5 percent, when neither cottage has a realizable salvage value.

, and e.		
Particular	Cottage-1	Cottage-2
First cost	Rs.4500	Rs.10,000
Estimated life	12 year	24 year
Annual maintenance cost	Rs.1000	Rs.720
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OR

8 a. Stand by lighting generator is require for a shop. Two types are available.

Particular	Type-1	Type-2
First cost	Rs.5000	Rs.3200
Salvage value	Rs.1000	Nil
Annual operating cost	Rs 780	Rs.950

If both generator have a life of 4 years and the interest rate is 15 percent per year which offers the lowest equivalent annual cost? (10 Marks)

b. Farm house can be purchased for Rs.90,000 and the expected resale value after 20 years is Rs.60,000. If the annual rental income is Rs.11,800 and expenses Rs.4700. What will be the rate of return earned on this farm house? (10 Marks)

<u>Module-5</u>

- 9 a. Briefly explain the contents of element of cost.
 - A firm is producing 100 units per day. The direct material cost is fund to be Rs.160. The direct labour cost is Rs.200 and Factory over heads chargeable to it is Rs.250. If the selling expenses are 40% of the factory cost. What must be selling price of each unit to realize a profit of 15% of the selling price?
 - c. A mild steel component as shown in a Fig. Q9 (c) below is to be manufactured. Find the Total cost of material the density of material is 7.81 gm/cm³. The cost of material is Rs.60/kg. All dimensions are in cm.



- 10 a. Briefly explain the following methods of depreciation:
 - (i) Diminishing balance method
 - (ii) Sinking fund method.
 - b. A CNC machine costs Rs.30,00,000 is estimated to serve 8 years after which its salvage value is estimated to be Rs.2,50,000. Find
 - (i) Depriciation fund at the end of the 5th year by fixed percentage method and declining balance method.
 - (ii) Book value of the machine after 4^{th} year and 6^{th} year by declining balance method.

(10 Marks)

(08 Marks)

(10 Marks)

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(05 Marks)

(10 Marks)