

Duration: 2 hours

Max Marks: 80

Instructions: 1) Question No.1 is compulsory

2) Attempt any THREE questions from the remaining.

1. From the following information prepare a Cost Sheet for the period ended 31 Dec 2015: (20)

	Rs.
Stock of Raw Material on 1-12-2015	30,000
Material purchased during the month	4,50,000
Wages paid	2,00,000
Wages Outstanding	30,000
Factory Overheads	92,000
Opening Work-in-progress	12,000
Closing Work-in-progress	15,000
Stock of Raw Material on 31-12-2015	25,000
Opening Stock of Finished Goods	60,000
Closing " " " "	55,000
Selling & Distribution Overheads	20,000
Administrative Overheads	30,000
Sales	9,00,000

Show the various sub-heads of Costs.

2. a) From the following information, calculate the Machine Hour Rate : (12)

	Rs.
Cost of Machine	3,00,000
Installation Charges	30,000
Estimated Scrap Value at the end of its life (15 years)	15,000
Rent & Rates for the shop per month	200
Lighting for the shop per month	300
Insurance for the Machine per annum	960
Repairs & Maintenance per annum	1,000
Power consumption 10 units per hour	
Rate of Power per 100 units	20
Estimated Working Hours per annum	2,000
Supervisor's Salary per month	600

The Machine occupies $\frac{1}{4}$ th of the total area of the shop. The Supervisor devotes $\frac{1}{5}$ th of his time for supervising this Machine.

2. b) Ascertain the wages payable to X and Y under Taylor's system from the following information: (8)

Standard Time allowed - 10 units per hour, Normal Wage Rate - Rs.20 per hour

Differentials to be applied - 75% of Piece Rate when below Standard

125%, " " " " at or above Standard.

In a day of 8 hours, X produced 60 units and Y produced 100 units.

3. The following particulars relate to the quarter ended 31st March 2016:

(20)

	A	B	C	D	E
Direct Wages Rs.	20,000	25,000	30,000	-	-
Direct Material Rs.	30,000	35,000	45,000	-	-
Indirect Material Rs.	2,000	3,000	3,000	1,000	2,000
Indirect Wages Rs.	3,000	3,000	4,000	10,000	10,000
Area Sq. Mtrs.	200	250	300	150	100
Machinery Value Rs.	30,000	35,000	25,000		15,000
H.P. of Machinery kw	15	20	25	-	5

General Expenses - Rent – Rs.12,500, Insurance – Rs.1,050, Depreciation – 15% of Machinery Value, Power – Rs.3,800, Lighting – Rs.1,250.

Prepare Primary Distribution Summary showing the basis of apportionment of common expenses.

4. Following particulars relate to three Production Departments – P1, P2 and P3 and two Service Departments – S1 and S2:

(20)

	P1	P2	P3	S1	S2
As per Primary Distribution Summary.	6,300	7,400	2,800	4,500	2,000

The Service Department expenses are to be charged to the other Departments as follows:

	P1	P2	P3	S1	S2
S1	40%	30%	20%	-	10%
S2	30%	30%	20%	20%	-

Show the Secondary Distribution Summary by the Repeated Distribution Method and Simultaneous

5. The Time allowed for a job is 10 hours. The hourly rate of Wages is Rs. 20 per hour The Actual time taken for completing the job individually by four workers – A, B, C and D was 8 hours, 7 hours, 6 hours and 5 hours. Calculate the earnings of each worker under Halsey Premium Plan and Rowan Incentive Plan.

(20)

6. Write short notes on any FOUR of the following:

(20)

- Piece Rate & Differential Piece Rate
- Idle Time – Avoidable and Unavoidable
- Methods of Secondary Distribution of Overheads
- Various bases of apportionment of Overheads
- Time-keeping & Time Booking
- Under and Over Absorption of Overheads