## STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI - 86

(For candidates admitted from the academic year 2023-2024)

## B. Com DEGREE EXAMINATION, APRIL 2024 <br> ACCOUNTING AND FINANCE <br> SECOND SEMESTER

COURSE
PAPER
SUBJECT CODE
TIME
: MAJOR CORE
: COST CONCEPTS AND METHODS
: 23AF/MC/CC23
: 3 HOURS

MAX. MARKS: 100

| $\begin{aligned} & \text { Q. } \\ & \text { No. } \end{aligned}$ | Answer all the questions: SECTION A (5 x 2 = 10) | CO | KL |
| :---: | :---: | :---: | :---: |
| 1. | Write a note on Direct Material. | CO1 | K1 |
| 2. | Find out the EOQ from the following information: <br> Monthly consumption - 3,000 units <br> Cost per unit - Rs. 54 <br> Ordering cost - Rs. 150 per order <br> Inventory carrying cost $20 \%$ of the average inventory | CO1 | K1 |
| 3. | Apportion the cost of power to the departments: <br> Cost of Power : $\quad$ Rs. 10,000 <br> Kilowatt hours (KWH) of power consumed: <br> Department X : <br> Department Y: <br> Den KWH <br> Department Z : | CO1 | K1 |
| 4. | Write a note on joint products. | CO1 | K1 |
| 5. | A tourist car run on a 20 km . long route for the chief executive of a multinational firm. He buys a car costing Rs. $1,50,000$. The car will make 4 round trips each day and that the car will be on the road for 25 days on an average per month. What will be the total km in a month? | CO1 | K1 |
| $\begin{aligned} & \text { Q. } \\ & \text { No. } \end{aligned}$ | SECTION B Answer any four questions: | CO | KL |
| 6. | Define cost accounting and write its objectives. | CO 2 | K2 |
| 7. | The following data are from the costing records of Sam Industries Ltd., in respect of Job No.123: <br> Materials consumed Rs. 6,000 <br> Wages: <br> Cutting Department 20 hours at Rs. 50 per hour <br> Shearing Department 10 hours at Rs. 40 per hour <br> Boring Department 5 hours at Rs. 60 per hour <br> Variable overheads for the respective departments are estimated as follows: <br> Cutting Department Rs. 40,000 for 2,000 Direct labour hours <br> Shearing Department Rs. 20,000 for 2,500 Direct labour hours <br> Boring Department Rs. 10,000 for 400 Direct Labour hours <br> Fixed overheads are estimated at Rs. 1,00,000 for 20,000 normal working hours. <br> You are required to ascertain the cost of job No. 123 and calculate the price to be charged so as to give a profit of $20 \%$ on cost. | CO2 | K2 |


| 8. | Calculate Re-order level, Minimum Stock level, Maximum Stock level and Average Stock level from the following: | CO2 | K2 |
| :---: | :---: | :---: | :---: |
| 9. | Calculate the Machine Hour Rate from the following: Cost of machine: Rs. 90,000 , Cost of installation: Rs. 10,000 , Working life: 10 years, Working hours: 2000 per year, Repair charges: $50 \%$ of depreciation, Power: 10 units of power at 10 paise per unit, Lubricating oil: Rs. 2 per day of 8 hours, Stores: Rs. 10 per day of 8 hours, Wages of operator: Rs 4 per day of 8 hours. | CO 2 | K2 |
| 10. | Prepare a process account from the following along with abnormal loss account and normal loss account. Materials issued to process $1,000 \mathrm{kgs}$ at 200 each, wages Rs. 1,40,000 and overhead Rs. 20,000. Normal loss $10 \%$ of input. Actual output 800 kgs . | CO2 | K2 |
| 11. | Mr. S submits the following data and wants you to compute the cost per running Ton Km of vehicle A. <br> Cost of vehicle <br> Rs.2,50,000 <br> Road license per year <br> Rs. 800 <br> Annual supervision \& salaries <br> Rs. 2,700 <br> Driver's wages per hour <br> 4 <br> Cost of fuel per litre <br> 12 <br> Repairs \& Maintenance per Km <br> 2 <br> Tyres cost per Km <br> 1 <br> Insurance premium per annum <br> Rs. 700 <br> Garage Rent per year <br> Rs.1,300 <br> Kms run per litre <br> 20 <br> Kms run during the year <br> 15,000 <br> Estimated life of vehicle in Kms <br> Average tonnage carried <br> 6 <br> Charge interest @ 5\% per annum on cost of vehicle. The vehicle runs <br> 20 Kms per hour on an average. | CO2 | K2 |
| $\begin{array}{\|l\|} \hline \text { Q. } \\ \text { No. } \\ \hline \end{array}$ | Answer the questions: SECTION C (4 x 10 = 40) | CO | KL |
| $12 .$ <br> a) | The accounts of a machine manufacturing company disclose the following information for the six months ending $31^{\text {st }}$ December 2016. <br> Prepare a cost sheet of the machine and calculate the price which the company should quote for the manufacture of a machine requiring materials valued at Rs. 1250 and expenditure in Productive wages of Rs.750, so that the price may yield a profit of $20 \%$ on the selling price OR | CO3 | K3 |



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18. The following details are available in respect of Processes 'A' and ' $B$ ' for
CO5

September 2023:

|  | Process A <br> Rs. | Process B <br> Rs. |
| :--- | :---: | :---: |
| Materials consumed | 50,000 | 10,000 |
| Wages | 20,000 | 30,000 |
| Overhead | 10,000 | 10,000 |

Process 'A' transfers its output to Process 'B' at a profit of $20 \%$ on transfer price and Process ' B ' transfers its product to finished stock at $20 \%$ on cost. The finished goods are sold for Rs. 2,00,000. Prepare the Process accounts, finished stock account and Profit \& Loss account showing total profit for the monthly assuming the sundry expenses were Rs. 20,000 which were not apportioned to the processes

