

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI – 86
(For candidates admitted from the academic year 2023 – 2024)

BCA DEGREE EXAMINATION - APRIL 2024
COMPUTER APPLICATIONS
SECOND SEMESTER

COURSE : ALLIED CORE
PAPER : ACCOUNTING FOR BUSINESS
SUBJECT CODE : 23CM/AC/AB25
TIME : 3 HOURS

MAX. MARKS: 100

Q. No.	SECTION A Answer all the questions	(5 x 2 = 10)	CO	KL																																												
1.	What are the objectives of accounting?		1	K1																																												
2.	Define direct and indirect cost.		1	K1																																												
3.	What is net present value?		1	K1																																												
4.	Expand BEP and MOS.		1	K1																																												
5.	Write a short note on ratio.		1	K1																																												
Q. No.	SECTION B Answer all the questions	(5 x 2 = 10)	CO	KL																																												
6.	Define single entry system.		2	K 2																																												
7.	What is meant by budget?		2	K 2																																												
8.	From the following compute payback period Initial Investment Rs.150000, Annual cash inflow Rs.52500		2	K 2																																												
9.	Compute P/V Ratio from the following Sales Rs.200000, Contribution Rs.80000.		2	K 2																																												
10.	Calculate current ratio from the following information: Current assets Rs.75, 000. Current Liabilities Rs.30,000		2	K 2																																												
Q. No.	SECTION C Answer any two questions	(2 x 10 = 20)	CO	KL																																												
11.	<p>Following is the balances on 31.12.2018 prepare trading and profit and loss account for the year and the balance sheet as on the date.</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 10px;"> <thead> <tr> <th style="width: 30%;">Debits</th> <th style="width: 15%;">Rs.</th> <th style="width: 30%;">Credits</th> <th style="width: 15%;">Rs.</th> </tr> </thead> <tbody> <tr> <td>Opening Stock</td> <td style="text-align: right;">6,000</td> <td>Capital</td> <td style="text-align: right;">30,000</td> </tr> <tr> <td>Purchases</td> <td style="text-align: right;">25,000</td> <td>Creditors</td> <td style="text-align: right;">9,500</td> </tr> <tr> <td>Salaries</td> <td style="text-align: right;">5,500</td> <td>Sales</td> <td style="text-align: right;">38,000</td> </tr> <tr> <td>Rent</td> <td style="text-align: right;">1,300</td> <td>Loan</td> <td style="text-align: right;">10,000</td> </tr> <tr> <td>Debtors</td> <td style="text-align: right;">40,000</td> <td></td> <td></td> </tr> <tr> <td>Cash</td> <td style="text-align: right;">1,000</td> <td></td> <td></td> </tr> <tr> <td>Bank balance</td> <td style="text-align: right;">5,600</td> <td></td> <td></td> </tr> <tr> <td>Trade Expenses</td> <td style="text-align: right;">600</td> <td></td> <td></td> </tr> <tr> <td>Furniture</td> <td style="text-align: right;">2,500</td> <td></td> <td></td> </tr> <tr> <td></td> <td style="text-align: right; border-top: 1px solid black;">87,500</td> <td></td> <td style="text-align: right; border-top: 1px solid black;">87,500</td> </tr> </tbody> </table> <p>Adjustments:</p> <ol style="list-style-type: none"> a. Closing stock was Rs.9,000. b. Salary outstanding Rs.500. c. Rent prepaid Rs.100. d. Depreciate furniture at 10%. <p>Create a provision on debtors at 5% for bad debts</p>	Debits	Rs.	Credits	Rs.	Opening Stock	6,000	Capital	30,000	Purchases	25,000	Creditors	9,500	Salaries	5,500	Sales	38,000	Rent	1,300	Loan	10,000	Debtors	40,000			Cash	1,000			Bank balance	5,600			Trade Expenses	600			Furniture	2,500				87,500		87,500		3	K3
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12	<p>From the following data forecast the cash position at the end of April, May and June 2018.</p> <table border="1"> <thead> <tr> <th>Month 2018</th> <th>Sale Rs.</th> <th>Purchases Rs.</th> <th>Wages Rs.</th> <th>Sales Expenses Rs.</th> </tr> </thead> <tbody> <tr> <td>February</td> <td>120000</td> <td>80000</td> <td>10000</td> <td>7000</td> </tr> <tr> <td>March</td> <td>130000</td> <td>98000</td> <td>12000</td> <td>9000</td> </tr> <tr> <td>April</td> <td>70000</td> <td>100000</td> <td>8000</td> <td>5000</td> </tr> <tr> <td>May</td> <td>116000</td> <td>103000</td> <td>10000</td> <td>10000</td> </tr> <tr> <td>June</td> <td>85000</td> <td>80000</td> <td>8000</td> <td>6000</td> </tr> </tbody> </table> <p>Further Information: Sale at 10% realized in the month of sale. Balance realized in the following month. Purchase: Creditors are paid in the month following the month of supply. Wages and Sundry expenses paid in the month itself. Income tax Rs.10000 payable in June. Dividend Rs.5000 payable in June. Cash Balance on hand as on 01.04.2018 Rs.50000.</p>	Month 2018	Sale Rs.	Purchases Rs.	Wages Rs.	Sales Expenses Rs.	February	120000	80000	10000	7000	March	130000	98000	12000	9000	April	70000	100000	8000	5000	May	116000	103000	10000	10000	June	85000	80000	8000	6000	3	K3
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13.	<p>Each of the following project requires a cash outlay of Rs.10000. You are require to suggest which project should be accepted if the standard pay-back period is 5 years.</p> <table border="1"> <thead> <tr> <th rowspan="2">YEAR</th> <th colspan="3">CASH INFLOWS</th> </tr> <tr> <th>Project A</th> <th>Project B</th> <th>Project C</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2500</td> <td>4000</td> <td>1000</td> </tr> <tr> <td>2</td> <td>2500</td> <td>3000</td> <td>2000</td> </tr> <tr> <td>3</td> <td>2500</td> <td>2000</td> <td>3000</td> </tr> <tr> <td>4</td> <td>2500</td> <td>1000</td> <td>4000</td> </tr> <tr> <td>5</td> <td>2500</td> <td>-----</td> <td>----</td> </tr> </tbody> </table>	YEAR	CASH INFLOWS			Project A	Project B	Project C	1	2500	4000	1000	2	2500	3000	2000	3	2500	2000	3000	4	2500	1000	4000	5	2500	-----	----	3	K3			
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Q. No.	SECTION D (2 x 10 = 20)	CO	KL																														
14.	<p>Comment on the profitability of each product when: a) Raw material is the key factor b) Sales quantity is the key factor</p> <table border="1"> <thead> <tr> <th>Particulars</th> <th>Product A Per unit (Rs.)</th> <th>Product B Per unit (Rs.)</th> </tr> </thead> <tbody> <tr> <td>Selling Price</td> <td>200</td> <td>500</td> </tr> <tr> <td>Materials (Rs. 20 per kg)</td> <td>40</td> <td>160</td> </tr> <tr> <td>Labour (Rs. 10 per kg)</td> <td>50</td> <td>100</td> </tr> <tr> <td>Variable overhead</td> <td>20</td> <td>40</td> </tr> </tbody> </table> <p>Total Fixed Overheads Rs. 15000.</p>	Particulars	Product A Per unit (Rs.)	Product B Per unit (Rs.)	Selling Price	200	500	Materials (Rs. 20 per kg)	40	160	Labour (Rs. 10 per kg)	50	100	Variable overhead	20	40	4	K4															
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15.	<p>The Following are the income statement of Jeeva ltd., for the year ending 31st December 2018 and 2019. You are required to prepare a comparative income statement for the two years.</p> <table border="1"> <thead> <tr> <th></th> <th>31.12.2018</th> <th>31.12.2019</th> </tr> <tr> <th></th> <th>Rs.</th> <th>Rs.</th> </tr> </thead> <tbody> <tr> <td>Net Sales</td> <td>10,00,000</td> <td>12,00,000</td> </tr> <tr> <td>Cost of goods sold</td> <td>5,50,000</td> <td>6,05,000</td> </tr> <tr> <td>Operating expenses:</td> <td></td> <td></td> </tr> <tr> <td> Administration</td> <td>80,000</td> <td>1,00,000</td> </tr> <tr> <td> Selling</td> <td>60,000</td> <td>80,000</td> </tr> <tr> <td>Non-operating Expenses:</td> <td></td> <td></td> </tr> <tr> <td> Interest</td> <td>40,000</td> <td>50,000</td> </tr> <tr> <td> Income Tax</td> <td>50,000</td> <td>80,000</td> </tr> </tbody> </table>		31.12.2018	31.12.2019		Rs.	Rs.	Net Sales	10,00,000	12,00,000	Cost of goods sold	5,50,000	6,05,000	Operating expenses:			Administration	80,000	1,00,000	Selling	60,000	80,000	Non-operating Expenses:			Interest	40,000	50,000	Income Tax	50,000	80,000	4	K4
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16.	<p>You are given the following information:</p> <table border="1"> <tbody> <tr> <td>Cash</td> <td>18,000</td> </tr> <tr> <td>Debtors</td> <td>1,42,000</td> </tr> <tr> <td>Closing stock</td> <td>1,80,000</td> </tr> <tr> <td>Bills receivable</td> <td>27,000</td> </tr> <tr> <td>Creditors</td> <td>50,000</td> </tr> <tr> <td>Outstanding expenses</td> <td>15,000</td> </tr> <tr> <td>Tax payables</td> <td>75,000</td> </tr> </tbody> </table> <p>Calculate</p> <ol style="list-style-type: none"> Current Ratio Liquidity Ratio Absolute Liquid Ratio 	Cash	18,000	Debtors	1,42,000	Closing stock	1,80,000	Bills receivable	27,000	Creditors	50,000	Outstanding expenses	15,000	Tax payables	75,000	4	K4																
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17.	<p>Mr. Vijay keeps his books under single entry system. From the following, prepare Trading and P & L A/c and Balance Sheet as on 31.3.2018 Cash book analysis shows the following:</p> <table border="1"> <thead> <tr> <th></th> <th>Rs.</th> </tr> </thead> <tbody> <tr> <td>Interest Charges</td> <td>100</td> </tr> <tr> <td>Personal withdrawals</td> <td>2,000</td> </tr> <tr> <td>Staff salaries</td> <td>8,500</td> </tr> <tr> <td>Other business expenses</td> <td>7,500</td> </tr> <tr> <td>Payment to creditors</td> <td>15,000</td> </tr> <tr> <td>Balance at Bank as on 31.03.2018</td> <td>425</td> </tr> <tr> <td>Cash in hand as on 31.03.2018</td> <td>75</td> </tr> <tr> <td>Received from Debtors</td> <td>25,000</td> </tr> <tr> <td>Cash sales</td> <td>15,000</td> </tr> </tbody> </table>		Rs.	Interest Charges	100	Personal withdrawals	2,000	Staff salaries	8,500	Other business expenses	7,500	Payment to creditors	15,000	Balance at Bank as on 31.03.2018	425	Cash in hand as on 31.03.2018	75	Received from Debtors	25,000	Cash sales	15,000	5	K5										
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18.	<p>From the following information prepare a cost sheet for the month of December 2020</p> <table border="1"> <thead> <tr> <th>Particulars</th> <th>Rs.</th> </tr> </thead> <tbody> <tr> <td>Stock on hand – 1st Dec 2020: Raw materials</td> <td>25,000</td> </tr> <tr> <td> Finished Goods</td> <td>17,300</td> </tr> <tr> <td>Stock on hand – 31st Dec 2020: Raw materials</td> <td>26,200</td> </tr> <tr> <td> Finished Goods</td> <td>15,700</td> </tr> <tr> <td>Purchase of Raw materials</td> <td>21,900</td> </tr> <tr> <td>Carriage on Purchase</td> <td>1,100</td> </tr> <tr> <td>Work in progress 01.12.2020 at work cost</td> <td>8,200</td> </tr> <tr> <td>Work in progress 31.12.2020 at work cost</td> <td>9,100</td> </tr> <tr> <td>Sale of finished goods</td> <td>72,300</td> </tr> <tr> <td>Direct wages</td> <td>17,200</td> </tr> <tr> <td>Non-productive wages</td> <td>800</td> </tr> <tr> <td>Direct Expenses</td> <td>1,200</td> </tr> <tr> <td>Factory overheads</td> <td>8300</td> </tr> <tr> <td>Administrative overheads</td> <td>3,200</td> </tr> <tr> <td>Selling and distribution overheads</td> <td>4,200</td> </tr> </tbody> </table>	Particulars	Rs.	Stock on hand – 1 st Dec 2020: Raw materials	25,000	Finished Goods	17,300	Stock on hand – 31 st Dec 2020: Raw materials	26,200	Finished Goods	15,700	Purchase of Raw materials	21,900	Carriage on Purchase	1,100	Work in progress 01.12.2020 at work cost	8,200	Work in progress 31.12.2020 at work cost	9,100	Sale of finished goods	72,300	Direct wages	17,200	Non-productive wages	800	Direct Expenses	1,200	Factory overheads	8300	Administrative overheads	3,200	Selling and distribution overheads	4,200	5	K5
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19.	<p>The sales and profit for 2018 and 2019 are as follows:</p> <table border="1"> <thead> <tr> <th>Year Rs.</th> <th>Sales Rs.</th> <th>Profit Rs.</th> </tr> </thead> <tbody> <tr> <td>2013</td> <td>1,50,000</td> <td>20,000</td> </tr> <tr> <td>2014</td> <td>1,70,000</td> <td>25,000</td> </tr> </tbody> </table> <p>Find out:</p> <ol style="list-style-type: none"> P/V Ratio BEP Sales for a profit of Rs.40,000 Profit for sales of Rs.2,50,000 and Margin Of Safety at a profit of Rs.50,000. 	Year Rs.	Sales Rs.	Profit Rs.	2013	1,50,000	20,000	2014	1,70,000	25,000	5	K5																							
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20.	From the following transaction Prepare Journal and Ledger of Mr. Ravi & Sons. Mr.Ravi & Sons.	5	K5																																																
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