KUMARAGURU
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B.TECH. DEGREE EXAMINATIONS: APRIL / MAY 2023

(Regulation 2018)

Fourth Semester

ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

U18AIT4006: Finance for Engineers

COURSE OUTCOMES

CO1: Understand key accounting concepts, terms, and principles.
CO2: Learn complex accounting transactions and how they relate to accounting principles.
CO3: Implement software development budgeting.

Time: Three Hours   **Maximum Marks: 100**

Answer all the Questions:-
PART A (10 x 2 = 20 Marks)
(Answer not more than 40 words)

1.	Name the persons who should be interested in accounting information	CO1	[K_1]
2.	List out the functions of accounting.	CO1	[K_1]
3.	Define Stockholders' Equity	CO2	[K_1]
4.	Construct the journal entry for started business with cash	CO2	[K_4]
5.	Explain the limitations of cash flow statement	CO2	[K_2]
6.	Sundry debtors 40,000, inventories 60,000, cash in hand 1, 00,000, sundry creditors 80,000 and bills payable 20,000. From the above data calculate current ratio	CO2	[K_3]
7.	Explain gross profit ratio and give the formula	CO1	[K_2]
8.	Illustrate cash from operation	CO1	[K_2]
9.	Outline software development budgeting	CO3	[K_2]
10.	What do you mean by cost estimation?	CO3	[K_1]

Answer any FIVE Questions:-
PART B (5 x 16 = 80 Marks)
(Answer not more than 400 words)

11.	Explain various accounting concept based on which a business entity records its financial transactions.	16	CO1	[K_2]
12.	Discuss the needs for financial analysis and also explain the type's financial analysis.	16	CO1	[K_2]

13.	The following balances were extracted from the ledger of M/S GYR engineering works on 31st March 2022. You are required to prepare a trail balance as on the date in proper form.	16	CO2 [K3]

Particulars	Rs	Particulars	Rs
Drawings	5,000	Salaries	10,500
Capital	23,000	Sales return	1,000
Sundry creditors	44,000	Purchase return	2,100
Bills payable	4,000	Travelling expenses	2,600
Sundry debtors	50,000	Commission Paid	100
Bills receivable	5,200	Trading expenses	2,500
Loan from bank	10,000	Discount earned	4,000
Furniture & fixtures	4,500	Rent	2,000
Opening stock	47,000	Bank overdraft	6,000
Cash in hand	1,900	Purchase	70,800
Cash at bank	12,500		
Tax	3,500		
Sales	1,26,000		

14.	List out and explain the objective and advantages of preparing different types budgets.	16	CO1 [K2]

15.	The following balances were extracted from the book of M/S RKG& Co. Prepare a trading profit and loss account and balance sheet.	16	CO2 [K2]

Particulars	Rs	Particulars	Rs
Opening stock	1,250	Plant and machinery	6,230
Sales	11,800	Returns outwards	1,380
Depreciation	667	Cash in hands	895
Commission (Cr)	211	Salaries	750
Insurance	380	Debtors	1,905
Carriage inwards	300	Discount(Dr)	328
Furniture	670	Bills receivable	2,730
Printing charges	481	Returns inwards	1,659
Carriage outwards	200	Bank overdraft	4,000
Capital	9,228	Purchase	8,679
Creditors	1,780	Petty cash in hand	47
Bills payable	541	Bad debts	180
		Wages	1,589

16.	Explain the steps in the software development project planning process with a neat diagram	16	CO3 [K2]

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