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MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE

(UGC-AUTONOMOUS)

MBA I Year I Semester (R14) Supplementary End Semester Examinations – January 2019

FINANCIAL ACCOUNTING FOR MANAGERS

Time: 3Hrs

Max Marks: 60

Attempt all the questions. All parts of the question must be answered in one place only.
In Q.no 1 to 5 answer either Part A or Part B only. Q.no 6 which is a case study is compulsory.

Q.1(A) Define Accounting. Explain accounting concepts and conventions. 10M

OR

Q.1(B) Amit's Trial Balance as on 31st March, 2007 is given below. You are required to prepare Trading and Profit and Loss Account for the year ended 31st March, 2007 and Balance Sheet as on that date after taking into account the given adjustments. 10M

Trial Balance as on 31st March, 2007

Particulars	Amt. (Rs.)	Particulars	Amt. (Rs.)
Purchases	98,000	Capital	
Machinery	4,000		70,000
Building	1,00,000	Reserve	7,000
Stock (1.04.2006)	15,000	Creditors	45,000
Printing and Stationery	1,750	Bank overdraft	12,000
Sundry Debtors	35,000	Sales	1,58,000
Salaries	11,000	Bills payable	250
Insurance	700	Purchase Returns	3,500
Sundry Expenses	3,500		
Furniture	8,000		
Investment	10,000		
Cash	4,000		
Advertisement	800		
Carriage Inwards	1,300		
Travelling Expenses	2,700		
	2,95,750		2,95,750

Adjustments:

- (1) Closing stock is valued at the cost of Rs. 15,000.
- (2) Outstanding salaries Rs.3,500.
- (3) Outstanding interest receivable on investment Rs.600.
- (4) Depreciate machinery by 10%.
- (5) Charge 5% for bad debts.
- (6) Prepaid insurance Rs.150.

Q.2(A) What is 'depreciation'? Explain various methods of providing depreciation on fixed assets. 10M

OR

Q.2(B) Narrate the First-in-First-out (FIFO) and Last-in-First-out (LIFO) methods of valuation of material issues. Discuss the impact of increase and decrease in prices on these methods of pricing of material issues. 10M

Q.3(A) What do you mean by forfeiture of shares? Explain the rules relating to re-issue of forfeited shares. 10M

OR

Q.3(B) Define a 'debenture' and explain various types of debentures. 10M

Q.4(A) Distinguish between a funds flow statement and a cash flow statement. 10M

OR

Q.4(B) What do you mean by the term 'funds'? How is funds flow statement prepared? 10M

Q.5(A) What do you mean by computerized accounting? Explain the need for computerized accounting. 10M

OR

Q.5(B) Distinguish between manual accounting and computerised accounting. 10M

Q.6 **CASE STUDY** 10M

Analyse the financial condition of the Pepsico company based on the following results.

Particulars	Coca-cola	
	2015-16	2016-17
Current ratio	1.05	1.09
Quick ratio	0.92	0.97
Inventory turnover ratio	5.90	5.80
Gross profit margin ratio	60.90	60.32
Net profit margin ratio	18.40	18.78
Operating profit ratio	21.80	24.59

END

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE
(UGC-AUTONOMOUS)

MBA I Year I Semester (R14) Supplementary End Semester Examinations – JAN 2019
QUANTITATIVE TECHNIQUES

Time: 3Hrs

Max Marks: 60

Attempt all the questions. All parts of the question must be answered in one place only.
In Q.no 1 to 5 answer either Part A or Part B only. Q.no 6 which is a case study is compulsory.

- Q.1(A) What are the conditions for maxima and minima? A manufacturer can sell x units per week at a price $P = 20 - 0.001x$ rupees each when it costs $C = 5x + 2000$ rupees to produce x units. Determine the number of items he should produce per week for maximum profit. Also find maximum profit? 10M

OR

- Q.1(B) Solve the system of linear equations 10M
 $9x + 10y + 2z = 80$, $15x + 5y + 4z = 90$, $6x + 10y + 3z = 85$

-
- Q.2(A) Find the mean and median for the following data 10M

Wages (in 000'Rs)	10-20	20-30	30-40	40-50	50-60	60-70	70-80
Number of workers	4	6	20	30	18	12	5

OR

- Q.2(B) Find the bowley's coefficient of skewness from the following data 10M

Wages (in Rs.)	100	200	300	400	500	600	700	800
No. of Workers	12	30	65	80	92	58	12	3

-
- Q.3(A) A random sample of 10 college students is selected and their marks in Economics and Accounts are given below. Calculate Karl Pearson's correlation coefficient 10M

Economics	80	55	60	73	40	90	70	66	75	58
Accounts	90	60	75	65	50	80	100	85	67	70

OR

- Q.3(B) You are given the following data 10M

	X	Y
Mean	36	85
Standard Deviation	11	8
Correlation Coefficient between X and Y is 0.66		

Find the two regression equations and estimate the value of X when Y=75

Q.4(A)

10M

A business man goes to hotels X,Y,Z, 20%, 50%, 30% of the time respectively. It is known that 5%, 4%,8% of the rooms in X,Y,Z hotels have faulty plumbing. What is the probability that business man's room having faulty plumbing is assigned to
i) Hotel X ii) Hotel Y

OR

Q.4(B)

A random variable X has the following probability distribution:

10M

X	0	1	2	3	4	5	6	7
P(X)	0	K	2K	2K	3K	K	5K	K

Determine:

- (i) K value (ii) $P[X > 4]$ (iii) Mean (iv) Variance
(v) Cumulative distribution function

Q.5(A)

The average number of accidents in a factory per year is 1.5. Determine the probability that the number of accidents are

10M

- i) At most one ii) At least one iii) Exactly 2.

OR

Q.5(B)

The weekly wages of 1000 workers are normally distributed around a mean of Rs.800 and Standard deviation of Rs. 30. Estimate the number of workers whose weekly wages will be

10M

- (i) between Rs 780 and Rs 820 (ii) below Rs.780 (iii) above Rs 820

Q.6

Case Study

10M

Ten competitors in a beauty contest are ranked by three judges in the following order. Determine which pair of judges has the nearest approach to common taste in beauty.

1 st Judge	1	6	5	10	3	2	4	9	7	8
2 nd Judge	3	5	8	4	7	10	2	1	6	9
3 rd Judge	6	4	9	8	1	2	3	10	5	7

END