MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE
(UGC-AUTONOMOUS)
MBA I Year II Semester (R16) Supplementary End Semester Examinations – Dec 2017
STATISTICAL METHODS FOR MANAGERS WITH SPSS

Time: 3Hrs   Max Marks: 50

> 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)	Write a brief note on the procedure to compute Histograms using SPSS.	8M
	OR	
Q.1(B)	Write a brief note on the procedure to compute frequency distribution using SPSS.	8M
Q.2(A)	Describe the procedure to find out Simple linear Regression using SPSS .	8M
	OR	
Q.2(B)	Use the given dataset "Regression 5", find the impact of market return on return on stock A.	8M
Q.3(A)	Use the given data set chis 5, determine whether treatment effect is there or not?	8M
	OR	
Q.3(B)	Use the dataset T-test 2 to determine whether the sales person achieved the sales target on not.	8M
Q.4(A)	Write a brief note on the procedure to compute two-way ANOVA using SPSS.	8M
	OR	
Q.4(B)	Write a brief note on the procedure to compute chi-square test for independence of attributes using SPSS.	8M
Q.5(A)	Explain the significance of chronbach alpha. What are the different types?	8M
	OR	
Q.5(B)	Perform a factor analysis to extract five factors for the attached data set" Factoranalysis3." Keep all the default values in the procedure. Use Varimax rotation.	8M

CASE STUDY

Q.6	Use the data set ANOVA1 to find if the performance of sales persons are different in terms of their sales.	10M

END

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HUMAN RESOURCE MANAGEMENT

Time: 3Hrs   Max Marks: 50

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)	Explain various Human Resource issues in Mergers and Acquisitions.	8M
	OR	
Q.1(B)	How should HR manager act as a strategic partner?	8M
Q.2(A)	Describe the types of information required for Job analysis and also describe the various methods of Job analysis.	8M
	OR	
Q.2(B)	Describe some Job Design concepts.	8M
Q.3(A)	Describe Training and Development delivery systems.	8M
	OR	
Q.3(B)	Identify the various Performance Appraisal methods used.	8M
Q.4(A)	Describe the organization as a determinant of direct financial compensation.	8M
	OR	
Q.4(B)	Define Job Evaluation and describe the four traditional Job Evaluation methods	8M
Q.5(A)	Explain the functions of Trade Unions.	8M
	OR	
Q.5(B)	What are the different types of Trade Unions? Explain the four important types of Union structure.	8M

Q.6   **Case Study**   10M

You are the newly appointed sales manager for a large manufacturing organization that has been struggling of late, even though your region is the firm's most successful one. Your office is located in very close-knit community where people place a high value on local basket ball. In fact, it didn't take you long to realize that to most people, local basketball is even more important than the Super bowl. While you were watching the game the other right with your biggest customer, who purchases almost 40 percent of your yearly volume, told you that the star on the team may soon be leaving the community because his father was laid off. He has heard that your region has an opening for a sales representative, and he asks you to hire the boy's father. You tell him that you will be glad to review the man's resume, but you think that you have already found an extremely qualified person.

As you are reviewing the resume of your customers recommended candidate the next day, the person you are replacing comes by the office to say good bye. In the conversation he mentions that in this town, people do each other favors, and that is how they build trust. He also tells you that if the boy's father is not hired, the firm may lose most, if not all, of the buyers business. That is quite a shock because you realize that the customer's candidate lacks some qualifications for the position.

Question:

1. What would you do?

END

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PRODUCTION & OPERATIONS MANAGEMENT

Time: 3Hrs   Max Marks: 50

> 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)	Discuss the recent trends in production and operation management.	8M

OR

Q.1(B)	Define Value Management. Differentiate between value engineering and value analysis.	8M

Q.2(A)	Potential locations A, B and C have the cost structures shown for producing a product expected to sell at Rs.100/- per unit. Find the most economical location for an expected volume of 2,000 units/year. Also determine the range of annual volume of production for each of the locations A, B and C would be most successful.	8M

Location	Fixed Cost/Year (Rs.)	Variable Cost/Year (Rs.)
A	25,000	50
B	50,000	25
C	80,000	15

OR

Q.2(B)	What is material planning? Discuss the factors affecting material planning.	8M

Q.3(A)	What is Line of Balance? Explain the LOB technique with an illustration.	8M

OR

Q.3(B)	Using the following cost matrix, determine (a) optimal job assignment, and (b) the cost of assignments.	8M

Machinis	Job				
	1	2	3	4	5
A	10	3	3	2	8
B	9	7	8	2	7
C	7	5	6	2	4
D	3	5	8	2	4
E	9	10	9	6	10

Q.4(A)	Enumerate the various steps involved in method study. List out the factors that indicate the need for method study.	8M

OR

Q.4(B)	An 8 hours work measurement study in a plant reveals the following: Units produced = 320 nos. Idle Time = 15%. Performance Rating = 120%. Allowances = 12% of normal time. Determine the standard time per unit produced.	8M

Q.5(A)	Describe the two techniques of SQC namely	8M
	a) Statistical Process Control	
	b) Acceptance Sampling	

OR

Q.5(B)	Discuss the elements of TQM concept.	8M

Q.6	**CASE STUDY**	10M

The following table lists the jobs of a network along with their time estimates.

Activity	to	tm	tp
1-4	3	9	27
1-3	3	6	15
1-2	6	12	30
4-5	1	4	07
3-5	3	9	27
3-6	2	5	08
5-6	6	12	30
2-6	4	19	28

a) Draw the project network.
b) What is the probability that the job will be completed in 35 days?
c) What due date has 90% chance of being met?

END

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MBA I Year II Semester (R16) Supplementary End Semester Examinations – Dec 2017
FINANCIAL MANAGEMENT

Time: 3Hrs   Max Marks: 50

> 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) Discuss the relationship of Financial Management to the functions of Economics   8M
and Accounting.

OR

Q.1(B) Discuss the three broad areas of financial decision making.   8M

Q.2(A) A project needs an investment of Rs. 1, 00,000. The cost of capital is 15 per cent.   8M

The net cash inflows are as under:

Year	1	2	3	4	5
CFAT (Rs.)	30,000	30,000	60,000	40,000	45,000

Calculate Internal Rate of Return and suggest whether the project should be
accepted or not.

OR

Q.2(B) What are the 3 elements of the cash flow stream of a project?   8M

Q.3(A) The following information is available for Avinash Metals. What is the Average cost   8M
of capital? What happens to the Average cost of capital of the company, if it
employs Rs. 100 million of debt which earns an operating income of Rs.20 million?
Assume there are no taxes and Net operating income method is applied.

Net operating income	Rs.40 million
Interest on debt	Rs.10 million
Cost of equity	18 percent
Cost of debt	12 percent

OR

Q.3(B) From the following information compute the market price of the company's   8M
shares per Walter's Model, if it can earn a return of (i) 18 per cent; and (iii) 15 per
cent on its investments.
Earnings per share Rs.4
Dividend Payout Ratios are (a) 40; (b) 50; (c) 60 per cent.
The company's capitalization (K_e) is 15%.

Q.4(A)	Define 'working capital' and explain the factors influencing working capital requirement.	8M

<div align="center">OR</div>

Q.4(B)	CA may 1990 the following annual figures relate to ABC company.	8M

Sales (at 2 months credit)	3600000
Materials consumed (suppliers extend 2 months)	900000
Wages paid (monthly in arrear)	720000
Manufacturing expenses at the end of the year (Cash expenses are paid 1 month in arrear)	80000
Total administrative expenses	240000
Sales promotion	30000

The company sells its products at a gross profit of 25 % counting depreciation as a part of the cost of production. It keeps one month stock each of raw materials and finished goods, and a cash balance of Rs. 100000.

Assuming a 20 % safety margin, calculate working capital requirements of the company.

Q.5(A)	Discuss the legal procedure involved in Merger	8M

<div align="center">OR</div>

Q.5(B)	"Good corporate governance creates a transparent set of rules and controls in which shareholders, directors and officers have aligned incentives." Comment.	8M

Q.6	**Case Study:**	10M

The relevant financial information for Xavier Limited for the year ended 2016 is given below.

Profit and Loss Account Data (in Millions)		Balance Sheet Data	Beginning of 2016	End of 2016
Sales	80	Inventory	9	12
Cost of Goods Sold	56	Accounts Receivables	12	16
		Accounts Payable	7	10

What is length of the operating cycle? The Cash Cycle? Assume 365 days a year.

<div align="center">***END***</div>