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MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE

(UGC-AUTONOMOUS)

MBA I Year II Semester (R22) Regular End Semester Examinations, August - 2023**FINANCIAL MANAGEMENT**

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 A or B only

Q.No	Question	Marks	CO	BL
Q.1(A)	Bring out the functions of Financial Management.	10M	1	2
	OR			
Q.1(B)	Critically analyze the concept of "Risk-return trade-off".	10M	1	4
Q.2(A)	Explain importance of capital budgeting?	10M	2	5
	OR			
Q.2(B)	Explain risk-return relationship in the context of financial decision making?	10M	2	5
Q.3(A)	Define cost of capital. Explain different types of cost of capital.	10M	3	2
	OR			
Q.3(B)	X & Co. Ltd., issued perpetual debentures for ₹ 4,00,000 at 12% interest. The company has tax rate of 60%. Determine cost of debt before tax and after tax when a) The debt issued at par b) The debt issued at 5% premium	10M	3	5
Q.4(A)	Define "Leverage"? Explain the different types of leverages?	10M	4	2
	OR			
Q.4(B)	Describe capital structure theories NI, and NOI approach.	10M	4	2
Q.5(A)	How do you evaluate the working capital requirements of a manufacturing company?	10M	5	4
	OR			
Q.5(B)	From the following forecasts of income and expenditure, prepare a cash budget for the months January to April 2015.	10M	5	5

Months	Sales (Credit)	Purchase (Credit)	Wages	Manufacturing Expen.	Admn. Expen.	Selling Expen.
2014 Nov.	60,000	15,000	3,000	1,150	1,060	500
Dec.	70,000	20,000	3,200	1,225	1,040	550
2015 Jan.	50,000	15,000	2,500	990	1,100	600
Feb.	60,000	20,000	3,000	1,050	1,150	620
March	70,000	22,500	2,400	1,100	1,220	570
April	80,000	25,000	2,600	1,200	1,180	710

Additional information in follows:

1. All sales are made on credit basis and the customers are allowed a credit period of two months.
2. A dividend of ₹ 10,000 is payable in April.
3. The creditors are allowing a credit of 2 months.
4. Wages are paid on the 1st of the next month.
5. Lag in payment of other expenses is one month.
6. Balance of cash in hand on 1st Jan. 2015 is ₹ 15,000.

Q.6

CASE STUDY

10M 3 5

A project needs an investment of ₹. 1,45,500. The cost of capital is 12 per cent. The net cash inflows are as under:

Year	1	2	3	4	5
CFAT (₹)	40,000	30,000	50,000	30,000	30,000

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

*****END*****

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MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE

(UGC-AUTONOMOUS)

MBA I Year II Semester (R22) Regular End Semester Examinations, August - 2023**MARKETING MANAGEMENT**

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 A or B only

Q.No	Question	Marks	CO	BL
Q.1(A)	Define Marketing Management. Explain its Nature and Scope in detail	10M	1	2
	OR			
Q.1(B)	What is meant by Market Segmentations? What are the criteria of successful market segmentation?	10M	1	2
Q.2(A)	Discuss the stages of product life cycle and marketing strategies	10M	2	3
	OR			
Q.2(B)	Explain the new product development process of: (a) Cosmetic product (b). Smart watch	10M	2	2
Q.3(A)	What are the various kinds of pricing strategies – Discuss with suitable examples.	10M	3	2
	OR			
Q.3(B)	Discuss the methods to responding to competitors' price changes	10M	3	3
Q.4(A)	State the different types of retailers and its characteristics, advantages, and limitations in briefly	10M	4	4
	OR			
Q.4(B)	Elucidate the objectives and changing role of sales force management in the modern era of marketing	10M	4	4
Q.5(A)	Discuss the 5 M's of advertising and explain how each element contribute to effectiveness of an advertising campaign	10M	5	3
	OR			
Q.5(B)	Write a short note on 1) Rural Marketing 2) Digital Marketing	10M	5	2
Q.6	CASE STUDY	10M	5	5

ABC Pvt. Ltd., is a company that produces electronic products and has an established market pressure and high revenue turnover. The company is a vertically integrated company with its own manufacturing units and retail outlets. The management of the company decided to enter into medical equipment manufacturing and sales. Since the health care sector is gaining momentum in the recent years and number of private hospitals are rising day by day. The management decided to supply customized operation theatre products to the emerging hospitals. The company decided to organize a surgeons' conference as part of its brand development campaign.

Questions:

- (a) Discuss the communication strategies and need of required for such new product line.
- (b) Evaluate the success rate of a conference as a communication mechanism

*****END****

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

MBA I Year II Semester (R22) Regular End Semester Examinations, August - 2023

PRODUCTION AND OPERATIONS MANAGEMENT

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 A or B only

Q.No	Question	Marks	CO	BL
Q.1(A)	Briefly explain how service producers differ from goods producers in important aspects of their operations.	10M	1	2
OR				
Q.1(B)	The Southern Textile Company is considering two alternatives: to expand its existing production operation to manufacture a new line of lightweight material; or to purchase land on which to construct a new facility in the future.	10M	1	3
Q.2(A)	Competitors are a source of ideas for new products or services. Evaluate the techniques can help for companies learn from the competitors.	10M	2	3
OR				
Q.2(B)	Discuss the concept and advantages of concurrent design approach. How would you apply concurrent design to a group project?	10M	2	3
Q.3(A)	List and explain type of production process in operation management system.	10M	3	2
OR				
Q.3(B)	There are five jobs such as A, B, C, D & E, each of which is to be processed through three machines M1, M2, and M3 in the order M1M2M3. Processing times in hours are as follows. Determine the optimum sequence for the five jobs and the minimum elapsed time. Also find the idle time for the three machines.	10M	3	4

	A	B	C	D	E
M1	3	8	7	5	4
M2	4	5	1	2	3
M3	7	9	5	6	10

Q.4(A) Analyze the factors to be considered while selecting the location for the new organization. 10M 4 4

OR

Q.4(B) Distinguish difference between block diagramming and relationship diagramming. When might each be used? 10M 4 4

Q.5(A) The following table gives the observations made for a particular work that has 3 work elements. 10M 5 4

Element	Observed Times (minutes)				Performance rating
	1	2	3	4	
A	0.5	0.48	0.49	0.5	125%
B	0.94	0.85	0.80	0.81	110%
C	0.69	0.68	0.72	0.75	80%

Determine the normal time and the standard time for the work assuming a 5% allowance factor.

OR

Q.5(B) Use the following data to construct an R bar Chart. Plot the observed values and comment on the process. (Take $A_2 = .58$, $Z = 3$) 10M 5 4

Sample	Length in centimeters				
	1	2	3	4	5
1	6.4	7	7.4	6.2	6
2	6	6.2	7.6	7	6.8
3	4.9	5.4	7	6.6	7
4	6.8	7	6.6	6.4	6.2
5	6.8	6.4	7.4	7.6	7.4
6	7	6.8	4.3	4.9	4.1
7	6	7.4	8	3.9	5.8
8	4.7	4.9	6.8	7	6.2
9	7	7.4	6.8	6.6	6.2
10	6.8	4.5	6.4	6.4	6.8

Q.6

CASE STUDY

10M 5 4

The Road King Tire Company in Birmingham wants to monitor the quality of the tires it manufactures. Each day the company quality-control manager takes a sample of 100 tires, tests them, and determines the number of defective tires. The results of 20 samples have been recorded as follows:

sample	1	2	3	4	5	6	7	8	9	10
No. of defectives	14	12	9	10	11	7	8	14	16	17

sample	11	12	13	14	15	16	17	18	19	20
No. of defectives	18	10	19	20	17	18	18	22	24	23

Construct a p-chart for this process using 3sigma limits and describe the Variation in the process.

END

Hall Ticket No:

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Question Paper Code: 22MBAP111

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE
(UGC-AUTONOMOUS)
MBA I Year II Semester (R22) Regular End Semester Examinations, August - 2023
HUMAN RESOURCE MANAGEMENT

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 A or B only

Q.No	Question	Marks	CO	BL
Q.1(A)	What do you understand by Employee Engagement? Explain the significance of employee engagement in organizations.	10M	1	2
OR				
Q.1(B)	Explain the Functions of Human Resource Management.	10M	1	3
Q.2(A)	Define Recruitment. Also discuss the source and process of recruitment in details.	10M	2	2
OR				
Q.2(B)	What do you understand by selection? How is it different from the recruitment?	10M	2	2
Q.3(A)	Differentiate between training and development. Design a training program on stress management.	10M	3	2
OR				
Q.3(B)	Critically examine the Traditional vs Modern methods of Performance appraisal.	10M	3	4
Q.4(A)	Explain in details various method of job evaluation.	10M	4	2
OR				
Q.4(B)	Define compensation. Discuss the factors influencing employee compensation?	10M	4	2
Q.5(A)	What do you understand by WPM? Do discuss the importance of WPM.	10M	5	2
OR				
Q.5(B)	Distinguish between HR Audit and HR Accounting.	10M	5	2
Q.6	Case Study	10M	3	5
	Bent Ericksen a doctor discharged a staff member who had been working for him for nine months. She then claimed that her civil rights were violated and that she was discriminated against because of her age. She was 46 years old. During an investigation, the doctor was asked to provide copies of her performance evaluations to justify the contention that the discharge was based on her performance, not her age. No performance evaluations had been given to any employees. This claim			

led to an outof-court settlement. Considerations The employee had been with the doctor for nine months and had not received a performance appraisal. She claimed that she was not aware that her performance was not satisfactory and was surprised when she was terminated. She alleged that the sole reason for her discharge was her age — that the doctor wanted to hire a younger person. The doctor said she had been warned on several occasions, but nothing had been documented. This is not an isolated incident; such claims are made against doctors every day.

Q.1 What can you do to prevent this from happening?

Q.2 How often should you do performance appraisals?

*****END*****

Hall Ticket No:

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Question Paper Code: 22MBAP112

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE

(UGC-AUTONOMOUS)

MBA I Year II Semester (R22) Regular End Semester Examinations, August - 2023

BUSINESS LAW AND REGULATION

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 A or B only

Q.No	Question	Marks	CO	BL
Q.1(A)	Define the term Contract. Explain the essentials elements of valid contracts.	10M	1	2
OR				
Q.1(B)	What is breach of contract? Discuss various types of breach of contract.	10M	1	2
Q.2(A)	What is mean by Partnership? Discuss essential elements of partnership.	10M	2	4
OR				
Q.2(B)	What is Limited Liability Partnership? Explain the nature of LLP in detail.	10M	2	
Q.3(A)	Explain various contents of Articles of Association under the companies act 2013	10M	3	3
OR				
Q.3(B)	What is NCLT? Describe various powers and functions of NCLT	10M	3	2
Q.4(A)	What is mean by GST? Explain benefits of GST for Consumers, Government and Industry.	10M	4	2
OR				
Q.4(B)	What is antiprofitteering? Discuss in briefly about the procedure of antiprofitteering under GST Act 2017.	10M	4	2
Q.5(A)	Explain various penalties under the Information Technology Act 2000	10M	5	2
OR				
Q.5(B)	Explain the term various models of E-Governance under IT Act 2000.	10M	5	3
Q.6	A gives an offer in the newspaper for the sale of his HP laptop for Rs. 15000. He also stated that Those who are willing to purchase can send a message to his mobile.”” In this simple case consider the following situation and discuss the solution: Questions: a) B was interested to purchase the laptop and sent a message stating that he wishes to purchase for 12000. Was it an acceptance is given by B. b) B was interested to purchase the same but he asked C to message on behalf of B. and C messaged as follows: “My friend B is interested to purchase your laptop for 15000”. Here is	10M	1	5

this a valid Acceptance? Is a binded by the acceptance?

c) B who is much interested in purchasing the laptop had called Mr.A and given the acceptance through his phone. Is A obliged for acceptance given by B.

*****END*****

Hall Ticket No:

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Question Paper Code: 22MBAP501

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE

(UGC-AUTONOMOUS)

MBA I Year II Semester (R22) Regular End Semester Examinations, August - 2023**MANAGEMENT INFORMATION SYSTEMS**

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 A or B only

Q.No	Question	Marks	CO	BL
Q.1(A)	Discuss the nature and scope of management information system. Explain why information systems are so important for business today	10M	1	3
OR				
Q.1(B)	Explain the strategic advantages of information systems	10M	1	4
Q.2(A)	Distinguish between traditional and modern database management approaches	10M	2	4
OR				
Q.2(B)	Comment on the problems faced by organizations with traditional file environment	10M	2	4
Q.3(A)	Explain the steps involved in developing information systems	10M	3	4
OR				
Q.3(B)	Discuss the prototyping method of systems development	10M	3	2
Q.4(A)	Present tools and technologies for safeguarding information systems	10M	4	2
OR				
Q.4(B)	Establish framework for security and control regarding IS	10M	4	4
Q.5(A)	Discuss moral dimensions of information systems	10M	5	2
OR				
Q.5(B)	Explain internet based security measures available for business organizations	10M	5	4
Q.6	CASE STUDY	10M	4	5
	A new on-line teller system design for a medium size bank was approved by the president, signaling the beginning of implementation. The project leader devised a master plan to specify who is to perform each task and in what order. New deposit slips and withdrawers were ordered and delivered three weeks before implementation. In the interim, copies of the user manual were prepared for the lobby and drive-in-tellers. Soon after the terminals were installed, the tellers begin to learn how to enter various transactions. After training sessions were over, they had a chance to ask questions and enquire about the new system. Once completed, the telephone company and the computer service representative hooked up the terminal on-line with the master system.			

The following Monday (a week before actual conversion), the analyst asked the head teller whether the tellers would come in on Saturday to catch up on their work and run test data to reinforce recent training. The head teller agreed to overtime, but on Saturday, only 12 of 17 tellers showed up. During that time, the entire system was checked out and functioned as expected.

The bank opened the following Monday, the online system operated normally. Customers were greeted at the door by the president. Coffee and cake were served in the lobby. At the end of the day, the analyst sent a report to the board directors informing them that the system was now in operation and all user requirements had been met.

Three weeks later the analyst was called to the board meeting. The chairman criticized the analyst for exceeding the budgeted amount approved by the board. Furthermore the authorization the analyst gave the terminal vendor to bring in two CRT screens to expedite information retrieval exceeded his authority to implement the system. The bank's auditor also estimated that it would take 3.8 years rather than the initial estimate of 2.1 years to break even on the total cost of the installation. Not knowing what to say, the analyst left the board room with a feeling of total failure.

Questions:

What are the major problems in the case? Who is to blame? Why?

Was the board chairman justified in his criticism of the analyst? Explain

Discuss whether the analyst succeeded in implementation of the system.

*****END*****

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MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE

(UGC-AUTONOMOUS)

MBA I Year II Semester (R22) Regular End Semester Examinations, August - 2023**E-COMMERCE AND DIGITAL MARKETS**

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 A or B only

Q.No	Question	Marks	CO	BL
Q.1(A)	How would you categorize E-Commerce business models?	10M	1	4
	OR			
Q.1(B)	Explain major B2B business model with an example.	10M	1	2
Q.2(A)	Discuss the various applications of E-commerce Infrastructure: The Internet, Web, and Mobile Platform with a suitable example	10M	2	2
	OR			
Q.2(B)	Evaluate the latest trends in M-commerce models with suitable examples	10M	2	4
Q.3(A)	Discuss about E-Commerce infrastructure and its impact on business.	10M	3	2
	OR			
Q.3(B)	Discuss the major trends in supply chain management.	10M	3	2
Q.4(A)	Examine the advantages and challenges of online retailing firms.	10M	4	4
	OR			
Q.4(B)	Discuss the key factors affecting online content, Media and entertainment industry	10M	4	2
Q.5(A)	Describe in detail about E-procurement process?	10M	5	2
	OR			
Q.5(B)	Distinguish the different characteristics and types of Net market places	10M	5	4
Q.6	CASE STUDY	10M	4	5

Godrej as a brand has been already established as a household name. However, its pedigree is that of stability rather than innovation, especially in the appliances segment. To break free of this impression they devised a branding + personification strategy. Literally the appliances would speak for themselves. Godrej Indispensables, an online web sitcom starring various products. Why Indispensables? Well they are confident that the products abilities to handle all that is thrown at them in a day to day functioning of a household. They are the silent protectors of a family's home, the behind the scenes heroes of everyday chores. Every episode shows them faced with a daily plight which they resolve in a way unique to their persona. Using 3D

animation, we brought to life these selfless helpers and given them a wide variety of quirks and personalities. So far the videos have garnered cumulatively over 50000+ views on Youtube. A special hashtag called #The Indispensables was created to launch the first series of it they asked out followers to list out their gadgets which they felt were indispensable to them. This #tag trended globally and gave the campaign a sizable boost in impressions. The products themselves will dispense some much needed advice on how to better operate them. Going Ahead – The Indispensables will continue to thwart household crisis, and keep Audience entertained and informed.

- i. How does an appliance brand enhance brand presence in an already cluttered social space?
- ii. Online consumers read reviews and recommendations when making a purchase. Justify?
- iii. What advantages Godrej can enjoy if they are successful in Online Marketing?

*****END*****

Hall Ticket No:

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Question Paper Code: 22CSEP301

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

MBA I Year II Semester (R22) Regular End Semester Examinations, August - 2023
MULTIMEDIA TECHNOLOGIES

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 A or B only

Q.No	Question	Marks	CO	BL
Q.1(A)	Draw a neat sketch of Multimedia System Architecture	10M	1	2
	OR			
Q.1(B)	Describe Multimedia Data interface standards in detail.	10M	1	2
Q.2(A)	Explain the types and Need for Data Compression.	10M	2	2
	OR			
Q.2(B)	Illustrate MIDI File Format and JPEG DIB File Format	10M	2	3
Q.3(A)	Explain Video Motion Analysis in detail.	10M	3	2
	OR			
Q.3(B)	Discuss in detail about Full Motion Video.	10M	3	2
Q.4(A)	Explain RTP and RTCP in detail.	10M	4	2
	OR			
Q.4(B)	Describe STB Broadcast Schemes for VoD Buffer Management.	10M	4	2
Q.5(A)	Illustrate Digital Watermarking Security Attacks	10M	5	3
	OR			
Q.5(B)	Elaborate Digital Forensics taxonomy.	10M	5	3
Q.6	CASE STUDY	10M		4
	A cybercrime department has identified malicious activity in Internet Network where the data has lost or stolen. As a member in forensic department prepare a proper documented chain of evidence in a formal report.			

END

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE
(UGC-AUTONOMOUS)
MBA I Year II Semester (R22) Regular End Semester Examinations, August - 2023
TOTAL QUALITY MANAGEMENT

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.

S.No.	Question	Marks	CO	BL
Q.1(A)	Explain the steps involved in Crosby's total quality approach	10M	1	1
OR				
Q.1(B)	Discuss about three basic concepts of TQM principles	10M	1	1
Q.2(A)	Describe the importance of customer retention in an organization?	10M	2	2
OR				
Q.2(B)	Explain the following (i)customer focus (ii)customer satisfaction (iii)customer complaint resolving system	10M	2	2
Q.3(A)	Explain the concept of 'Six sigma' quality philosophy?	10M	3	2
OR				
Q.3(B)	Define Bench marking and explain Bench marking process	10M	3	2
Q.4(A)	Write the objectives and benefits of QFD, Discuss on four phases on QFD?	10M	4	3
OR				
Q.4(B)	Define TPM and explain the Concepts of TPM?	10M	4	2
Q.5(A)	Write the objectives of KAIZEN. How it is employed for continuous impr	10M	5	3
OR				
Q.5(B)	Describe Poke-yoke which is TQM implementation tool. How it is employed for errors prevention in business organization?	10M	5	2
Q.6	Case Study ISO 14000 is a system for environment. Why ISO 14000 this type of system is required? Is it not possible to do business without ISO 14000 system? Justify your reasons.	10M	5	5

*****END*****

Hall Ticket No:

Course Code: 22MBAP113

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

MBA I Year II Semester (R22) Regular End Semester Examinations, August - 2023
ECONOMETRICS 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.

S.No	Question	Marks	CO	BL
Q.1(A)	Discuss the significance of econometrics in managerial decision making.	10M	1	2
	OR			
Q.1(B)	Explain the relevance of Univariate statistics in econometrics with suitable examples.	10M	1	2
Q.2(A)	Outline the concepts of Bivariate and Trivariate Econometric Modelling with relevant examples.	10M	2	3
	OR			
Q.2(B)	Analyze the Multiple Regression between Quantity Sold (Output) and Price and Advertising for the given data set of SET 1 Question 2B . Find the output using MS Excel or E-views and interpret the results.	10M	2	4
Q.3(A)	Assess the various assumptions of OLS with suitable examples.	10M	3	5
	OR			
Q.3(B)	Analyze the multicollinearity for the given nifty, reliance and Dr.Reddy price for the given dataset of SET 1 Question 3B and interpret your results in E-views.	10M	3	4
Q.4(A)	Elucidate the role of Box-Jenkins and ARIMA method in Econometrics.	10M	4	3
	OR			
Q.4(B)	Analyze a Unit Root test for the given dataset of SET 1 Question 4B and interpret your results in E-views.	10M	4	4
Q.5(A)	Analyze different types of capital market with relevant examples.	10M	5	4
	OR			
Q.5(B)	Elaborate the significance of VAR Model in detail.	10M	5	3
Q.6	Case Study Assess the impact of Oil prices on GDP using the Linear Regression for the given dataset of SET 1 Question 6 and interpret the results in detail.	10M	2	5

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Hall Ticket No:

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Course Code: 22MBAP113

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE

(UGC-AUTONOMOUS)

MBA I Year II Semester (R22) Regular End Semester Examinations, August - 2023

ECONOMETRICS 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.

S.No	Question	Marks	CO	BL
Q.1(A)	Discuss the scope of econometrics in detail.	10M	1	2
OR				
Q.1(B)	Analyze the descriptive statistics for test scores of 15 participants for a dataset and interpret the results using SET 2 for Question 1 either using MS Excel or E-views.	10M	1	4
Q.2(A)	Distinguish between correlation and regression with suitable examples.	10M	2	4
OR				
Q.2(B)	Examine the Linear Regression for the given Nifty and Reliance price dataset of SET 2 Question 2B and interpret your results in E-views.	10M	2	4
Q.3(A)	Discuss OLS method and its assumptions in detail.	10M	3	2
OR				
Q.3(B)	Analyze the Multicollinearity for the given Nifty and Reliance price dataset of SET 2 Question 2B and interpret your results in E-views.	10M	3	4
Q.4(A)	Distinguish between ARMA and ARIMA models in Econometrics.	10M	4	4
OR				
Q.4(B)	Define Unit Root test. Explain the steps to perform Unit Root test with suitable example.	10M	4	4
Q.5(A)	Outline the steps of Volatility.	10M	5	4
OR				
Q.5(B)	Elucidate ARCH/GARCH model in detail.	10M	5	4
Q.6	<u>Case Study</u>	10M	2	5

Analyze the impact between Y and X1 and X2 using Multiple Regression for the given dataset of **SET 2 Question 6**. Assess the output using MS Excel or E-views and interpret the results.

END

Hall Ticket No:

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Course Code: 22MBAP113

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE

(UGC-AUTONOMOUS)

MBA I Year II Semester (R22) Regular End Semester Examinations, August - 2023

ECONOMETRICS 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.

S.No	Question	Marks	CO	BL
Q.1(A)	Explain the properties of good estimator in detail.	10M	1	3
OR				
Q.1(B)	Analyze the descriptive statistics for the heights and weights of students for the given dataset SET-3 for Question 1B and interpret your results <i>either</i> using MS Excel or E-views.	10M	1	4
Q.2(A)	Elaborate the significance of the coefficient of determination in research.	10M	2	4
OR				
Q.2(B)	Examine the Linear Regression for the given Nifty and Dr. Reddy price dataset of SET-3 Question 2B and interpret your results in E-views.	10M	2	4
Q.3(A)	Explain the significance of Gauss-Markov Theorem and the concept of BLUE.	10M	3	2
OR				
Q.3(B)	Analyze the multicollinearity for the given Nifty and Dr Reddy price dataset of SET-3 Question 2B and interpret your results in E-views.	10M	3	4
Q.4(A)	Elaborate the components of time series model in detail.	10M	4	4
OR				
Q.4(B)	Analyze an ARIMA method for the given SET-3 Question 4B dataset and interpret your results in E-views.	10M	4	4
Q.5(A)	Examine the basics of capital markets & Volatility with suitable examples.	10M	5	4
OR				
Q.5(B)	Elucidate the procedure for estimation of VAR Model.	10M	5	4
Q.6	Case Study Results obtained from the NIFTY Bank Index Multiple Regression Analysis using the OLS Model are shown below where NIFTY index is taken as a dependent variable.	10M	3	5

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	5719.014	139.1860	22.71462	0.0000
SBI	4.755336	0.045628	14.79302	0.0000
HDFC	7.284627	0.686793	12.07733	0.0000
AXIS	7.802555	0.123022	-0.508490	0.0000
CANARA	-4.707432	0.337657	19.86466	0.6545
ICICI	11.89489	2.491513	5.492601	0.0000
R-squared	0.726750	Mean dependent var	7280.262	
Adjusted R-squared	0.717780	S.D. dependent var	2511.916	
S.E. of regression	723.4490	Akaike info criterion	16.00816	
Sum squared resid	1.41E+09	Schwarz criterion	16.02130	
Log likelihood	-21556.99	Hannan-Quinn criter.	16.01291	
F-statistic	5955.631	Durbin-Watson stat	2.22458	
Prob(F-statistic)	0.000000			

Questions:

1. What are the stocks showing significant relationship with BANK NIFTY?
2. Comment on the Negative Coefficient value of Canara Bank stock?
3. What does Positive value of Coefficients indicate for the stocks showing significant relationship with Bank NIFTY.
4. What does the value of R-squared indicate for the regression Model?

*****END*****

Hall Ticket No:

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Course Code: 22MBAP113

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE

(UGC-AUTONOMOUS)

MBA I Year II Semester (R22) Regular End Semester Examinations, August - 2023**ECONOMETRICS 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.

S.No	Question	Marks	CO	BL
Q.1(A)	Enumerate the methodology of econometric research in modern business conditions.	10M	1	2
OR				
Q.1(B)	Analyze the relation between Price and sales of petrol for the given dataset SET-4 for Question 1B and interpret your results <i>either</i> using MS Excel or E-views.	10M	1	5
Q.2(A)	Distinguish between statistical and deterministic relationship in statistics with examples.	10M	2	4
OR				
Q.2(B)	Analyze the Multiple Regression for the given Nifty, Bajaj and TCS price dataset of SET-4 Question 2B and interpret your results in E-views.	10M	2	4
Q.3(A)	Describe the role of Heteroscedasticity in econometric modelling.	10M	3	3
OR				
Q.3(B)	Analyze the Multicollinearity for the given Nifty, Bajaj and TCS price dataset of SET-4 Question 2B and interpret your results in E-views.	10M	3	4
Q.4(A)	Elucidate the procedure for Cointegration Test in E-views.	10M	4	4
OR				
Q.4(B)	Analyze a Unit Root test for the given dataset of SET-4 Question 4B and interpret your results in E-views.	10M	4	4
Q.5(A)	Assess the Volatility concept in stock market with suitable examples.	10M	5	5
OR				
Q.5(B)	Outline the steps of ARCH/ GARCH model in E-views.	10M	5	4
Q.6	Case Study	10M	4	5

Analyze an **ARIMA** method for the given **SET-4 Question 6** dataset and interpret your results in E-views. Develop the forecast for the next five terms in the time series.

END

Hall Ticket No:

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Question Paper Code: 22MBAP114

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

MBA I Year II Semester (R22) Regular End Semester Examinations, August - 2023
BUSINESS RESEARCH METHODS USING SPSS

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 A or B only

Q.No	Question	Marks	CO	BL																						
Q.1(A)	What do you mean by business research? Explain its types by narrating its importance in organizational effectiveness?	10M	1	2																						
OR																										
Q.1(B)	Define probability sampling. Explain (i) Simple Random Sampling (ii) Stratified Random sampling	10M	1	2																						
Q.2(A)	Explain descriptive research design along with its advantages and disadvantages.	10M	2	2																						
OR																										
Q.2(B)	Describe Primary and Secondary data collection methods along with merits and demerits.	10M	2	3																						
Q.3(A)	Framing the hypothesis determine the significance difference between the variables using one-way ANOVA in spss for the given dataset?	10M	3	3																						
OR																										
Q.3(B)	<table border="1"> <tr> <td>S-I</td> <td>74.1</td> <td>77.7</td> <td>74</td> <td>74.4</td> <td>73.8</td> <td>79.3</td> <td>75.8</td> <td>82.8</td> <td>72.2</td> <td>75.2</td> </tr> <tr> <td>S-II</td> <td>70.8</td> <td>74.9</td> <td>74.2</td> <td>70.4</td> <td>69.2</td> <td>72.2</td> <td>76.8</td> <td>72.4</td> <td>77.4</td> <td>78.1</td> </tr> </table>	S-I	74.1	77.7	74	74.4	73.8	79.3	75.8	82.8	72.2	75.2	S-II	70.8	74.9	74.2	70.4	69.2	72.2	76.8	72.4	77.4	78.1	10M	3	3
S-I	74.1	77.7	74	74.4	73.8	79.3	75.8	82.8	72.2	75.2																
S-II	70.8	74.9	74.2	70.4	69.2	72.2	76.8	72.4	77.4	78.1																
Test the hypothesis that the means of the population-I and population-II could equal.																										
Q.4(A)	What are the types of regression analysis? Use Multiple linear regression analysis to analyze the given data and interpret the result specifying independent and dependent variables?	10M	4	3																						
OR																										
Q.4(B)	What is factor analysis? Explain in details the steps involved in factor analysis.	10M	4	3																						
Q.5(A)	Explain the characteristics of good written report?	10M	5	2																						
OR																										
Q.5(B)	What is Plagiarism? Explain with its types?	10M	5	2																						
Q.6	A HR manager of XYZ ltd is concerned about the high attrition in his organization. In order to understand the reason for the same and have a solution for problem he has employed you as research consultant. Based on the review you have made you have found that following three variable are main reason for most of the attrition are	10M	3	4																						

1)Job satisfaction

2)Motivation

3)Career growth

Q1) Design a questionnaire with 4 questions that measures demographic profile of the employees , 3 questions that measures job satisfaction ,3 questions that measures motivational factors and 3 questions that measures career growth of the employees respectively.

*****END*****

Hall Ticket No:

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Question Paper Code: 22MBAP114

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

MBA I Year II Semester (R22) Regular End Semester Examinations, August - 2023
BUSINESS RESEARCH METHODS USING SPSS

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 A or B only

Q.No	Question	Marks	CO	BL
Q.1(A)	Define research. Explain in details different types of research?	10M	1	2
	OR			
Q.1(B)	Analyze the role of business research in managerial decision making?	10M	1	2
Q.2(A)	Differentiate various research designs and explain their applications?	10M	2	2
	OR			
Q.2(B)	Explain sampling and non-sampling errors in data collection.	10M	2	2
Q.3(A)	Find mean, median, mode, standard deviation and Skewness. Also construct histogram from SPSS data sets.	10M	3	3
	OR			
Q.3(B)	What are the types of Chi-square test? Perform Chi-Square Test for Goodness of Fit for the given data set?	10M	3	3
Q.4(A)	What is the objective of using correlation analysis in the quantitative research? What is the procedure to perform Correlation analysis using SPSS? Interpret with the given data?	10M	4	4
	OR			
Q.4(B)	What is factor analysis? Explain in details different type of rotation method related to factor analysis?	10M	4	3
Q.5(A)	What is a research report? Explain it with its components?	10M	5	3
	OR			
Q.5(B)	Suggest some important characteristics that presenter should possess for successful oral presentation. What will you do if your finding is against the sponsor of the study.	10M	5	3
Q.6	CASE STUDY	10M	3	4
	Sarah working as a clerical in bank observed that her colleagues though extremely knowledgeable about the nuances and intricacies of banking were expending little efforts to improve the efficiency and effectiveness of the bank in the area of customer relation and service .They took the minimum amount of work and spend more time on lunch and tea breaks. Sarah, when she left the bank to do her PhD her topic of investigation was job involvement. The conclusion of her investigation was that single most important contributory factor to the job			

involvement is the fit or match between the nature of job and personality predisposition of the people engaged in performing the job. Sarah then understood why highly intelligent bank employees could not get job involved or find job satisfaction in the routine jobs that rarely called for the use of their attributes.

Subsequently when Sara joined the international research team of fortune 500 companies ,she used this knowledge to solve the problem of motivation, job satisfaction and like in the organization

Q1) What type of research is undertaken by Sara?

Q2) What can be the outcome of such research?

*****END*****

Hall Ticket No:

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Question Paper Code: 22MBAP114

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

MBA I Year II Semester (R22) Regular End Semester Examinations, August - 2023
BUSINESS RESEARCH METHODS USING SPSS

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 A or B only

Q.No	Question	Marks	CO	BL
Q.1(A)	Why the building blocks of science is important for business research? Discuss?	10M	1	2
OR				
Q.1(B)	Define probability sampling. Explain different types of probability sampling in detail	10M	1	2
Q.2(A)	Explain the Rating scales used in organizational research?	10M	2	3
OR				
Q.2(B)	What are the data collection methods? Distinguish between structured and unstructured interview? Analyze the pros and cons of structured and unstructured interview.	10M	2	3
Q.3(A)	Explain the different types of T test? How will you analyze T test for single mean for the given data set using SPSS?	10M	3	3
OR				
Q.3(B)	Differentiate One-way and two-way ANOVA. Perform two-way ANOVA for the given data and interpret the result?	10M	3	4
Q.4(A)	Elucidate the application and steps involved in the procedure of multiple regression and fit multiple linear for the given data set using SPSS.	10M	4	3
OR				
Q.4(B)	What is the procedure to perform factor analysis using SPSS? From the given data set and interpret the common factors in the dataset?	10M	4	4
Q.5(A)	Explain the steps in writing a research in detail?	10M	5	2
OR				
Q.5(B)	Explain the types of research report? For academic purpose what type of report would be the right choice?	10M	5	2
CASE STUDY				
Q.6	Explain the construct, dimension and elements for the following situations t the questionnaire according to the research principles.	10M	4	5

1. How a teacher measures the 'students learning'. What could dimensions to measure the learning. According to you what are the of learning to develop the questionnaire ?
2. If Work achievement is the construct, then what are the dimen elements to develop a questionnaire? Sketch in your own understand

*****END*****

Hall Ticket No:

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Question Paper Code: 22MBAP114

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE

(UGC-AUTONOMOUS)

MBA I Year II Semester (R22) Regular End Semester Examinations, August - 2023**BUSINESS RESEARCH METHODS USING SPSS**

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 A or B only

Q.No	Question	Marks	CO	BL
Q.1(A)	Describe the term "Research". Explain about what information needed for doing business research.	10M	1	2
OR				
Q.1(B)	Define probability sampling. Explain different types of probability sampling in detail.	10M	1	2
Q.2(A)	Elaborate various types of research designs in detail.	10M	2	2
OR				
Q.2(B)	Classify the various methods through which primary data are collected?	10M	2	2
Q.3(A)	What is paired t- test? How will you analyze paired t- test for the given data set using SPSS?	10M	3	3
OR				
Q.3(B)	Explain the fitting procedure for simple linear regression and fit and test the hypothesis for the given data set using SPSS.	10M	3	3
Q.4(A)	Differentiate One-way and two-way ANOVA. Perform one-way ANOVA for data and interpret the result?	10M	4	4
OR				
Q.4(B)	What is the procedure to perform factor analysis using SPSS. From the given data interpret the common factors in the dataset?	10M	4	3
Q.5(A)	Explain the integral part of written report in detail.	10M	5	2
OR				
Q.5(B)	Write about the importance of Plagiarism check in research.	10M	5	2
Q.6	CASE STUDY A production manager is concerned about the low output level of his employees. The articles he has read on the job performance frequently mentioned that following four variable are important to job satisfaction 1)Skills required for the job 2)Rewards 3)Motivation 4)Job satisfaction	10M	3	5

Further it was also indicated that if rewards were attractive to recipients did motivation, satisfaction and job performance increase otherwise it does not.

Q1) Define the problem in the current case.

Q2) Develop hypothesis

Q3) Distinguish between null and alternative hypothesis.

*****END*****