AR19

Code: 19MBA3008 **SET-I**

ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, TEKKALI
(AUTONOMOUS)
II MBA III Semester Regular/Supplementary Examinations, January,2023
EMPLOYEE RELATIONS

Time: 3 Hrs **Max. Marks: 60**

Answer any Five questions
All questions carry EQUAL marks
Question No. 8 is Compulsory

1.	a)	Define Employee Relations, explain its growth in India.	6 M
	b)	What are the factors influencing on Employee Relation?	6 M
2.	a)	Explain the Industrial Relations in Modern era.	6 M
	b)	Explain the labour Administration Machinery in India.	6 M
3.	a)	Define Trade Union, What are the objectives of Trade Union?	6 M
	b)	Explain in detail the problems face by the Trade Unions.	6 M
4.	a)	Discuss the process of Collective Bargaining in preventing the Industrial Disputes.	6 M
	b)	Elaborate the role of Employee's Participation in Management in Indian context.	6 M
5.	a)	Define Conflict, What are the consequences of Conflict.	6 M
	b)	Explain the important provisions of Industrial Disputes Act, 1947.	6 M
6.	a)	What are the Health and Occupational safety programmes and organization can organize?	6 M
	b)	What are the factors influencing on fixations of wage?	6 M
7.	a)	What are the emerging trends in present industrial relations?	6 M
	b)	Explain the role of ILO in present industrial relations.	6 M
8.		**CASE STUDY:**	12 M

Given below is a new excerpt on the riot in the Ceramic Factory in Yanam (near Kakinada in Andhra Pradesh), a small town under the Union territory of Pondicherry but located far away from the Administration Headquarters. The denial of the factory management to accept the formation of a trade union is said to be initial cause of the riot. A strike was announced by the workers and the police interference followed with lati charge resulted in the death of the Union leader. As the tension mounted up, the angry workers collected into a mob and killed a high level official of the factory management. The following is a news report on the incident:

What was the provocation for the mayhem at Regency Ceramics Limited factory which led to large-scale destruction and loss of two lives? A combination of political rivalry and irreconcilable differences between the management and the union as also politics of caste and police highhandedness besides the role of vested interests has caused this anarchy in this peaceful Union Territory of Puducherry town, landlocked in East Godavari district.

According to sources, the management of Regency, which is a pioneer in ceramic tiles with an annual turnover of Rs 20,678 lakh, was reluctant to entertain any union activity. This caused a lot of heartburn among the workers and employees. The immediate trigger for the violence was the transfer and suspension of some leaders of the union last January.

Questions:

1. What is the real problem and who could have stopped it?
2. How much the interference of Politics and Police is important or unhealthy to the Industry and trade unions?

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Code: 19MBA3012 **SET-2**

ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, TEKKALI
(AUTONOMOUS)

II MBA III Semester Regular & Supplementary Examinations, January-2023

DATA SCIENCE USING R

Time: 3 Hrs **Max. Marks: 60**

Answer any Five questions
All questions carry EQUAL marks
Question No. 8 is Compulsory

1.	a	What is Data Science and its Functionaries?	6M
	b	Explain tools of Data Science?	6M
2.	a	What is difference between Business Intelligence and Data Science?	6M
	b	What is the importance of Data Science in today's World?	6M
3.	a	Explain the components of Exploratory Data Analysis?	6M
	b	What do you mean by Cleaning the data?	6M
4.	a	Explain basic SQL queries in R?	6M
	b	What are the features of R?	6M
5.		Compute $\frac{\sum_{i=1}^{n} x_i^2}{\sum_{i=1}^{n} y_i^2}$ and $\sum_{i=1}^{n} \left(\frac{x_i}{y_i}\right)^2$ for different x and y values using R-programming.	12M
6.	a	Write a program with While and Repeat loop?	6M
	b	What are vector objects in R- Programming?	6M
7.	a	Explain different data structure in R?	6M
	b	Explain about Vector,Matrices and Arrays with example?	6M
8.		What are the commands and syntax's of matrices, Arrays, Factors, Data frames?	12M

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Code: 19MBA3005 **SET-2**

ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, TEKKALI
(AUTONOMOUS)

II MBA III Semester Regular/Supplementary Examinations, January,2023

INVESTMENT ANALYSIS AND PORTFOLIO MANAGEMENT

Time: 3 Hrs **Max. Marks: 60**

Answer any Five questions
All questions carry EQUAL marks
Question No. 8 is Compulsory

1.	a)	Explain the differences between investment and speculation.	**6M**
	b)	Explain various types of investments in detail.	**6M**
2.	a)	What is primary market? Explain its functions.	**6M**
	b)	Explain the calculation of NIFTY and SENSEX.	**6M**
3.	a)	What is unsystematic risk? Explain various types of unsystematic risks.	**6M**
	b)	What is beta? How is it interpreted?	**6M**
4.	a)	Explain the determination of intrinsic value of a share using Constant growth model and multiple growth model.	**6M**
	b)	What is Yield to maturity (YTM) and Yield to Call (YTC)?	**6M**
5.	a)	Explain various stages of industry life cycle. Which stage is suitable for investment?	**6M**
	b)	Explain Elliot wave theory in detail.	**6M**
6.		Describe the Sharpe single index model. How do you interpret α and β parameters in the model?	**12 M**
7.		What are the advantages of Arbitrage Pricing theory over CAPM? Explain in detail.	**12M**

8. **CASE STUDY:** **12M**

Given the following information:

Particulars	**Portfolios**			
	A	B	C	D
Beta	1.10	0.8	1.8	1.4
Return (%)	14.5	11.25	19.75	18.5
Standard deviation (%)	20.0	17.5	26.3	24.5

Risk free rate of return = 6%
Market return = 12%
Calculate:

a. Sharpe ratio
b. Treynor ratio