#### PAPER-I: ADVANCED BUSINESS ECONOMICS

### **Answer all questions**

**(20 Marks)** 

- 1. a. Define business economics. Explain its nature and scope.
  - b. Explain the importance of demand forecasting. How do you forecast the demand of a new product?
- 2. a. Discuss the law of variable proportions.
  - b. Describe the Cobb-Douglas production function.
- 3. a. What are the features of perfect competition? Explain the process of price determination under perfect competition.
  - b. Define monopolistic competition. Distinguish between monopoly and oligopoly.
- 4. a. What is meant by profit? Explain the limiting factors of profit.
  - b. Discuss the different methods of business forecasting.
- 5. a. Define National Income and explain the various methods of calculating national income.
  - b. Explain the role of monetary and fiscal policies on Indian economy.

### PAPER-II: ADVANCED MANAGEMENT ACCOUNTING

### **Answer all questions**

**(20 Marks)** 

- 1. a. Write the distinction between Financial Accounting and Management Accounting.
  - b. Explain the role of management accountant in the modern organization.
- 2. a. What is Variable Cost? Explain the behaviour of variable and fixed cost.

b. The sales and profit during two years are given below:

	Sales	Profit
Year 2019	Rs.20 lakhs	Rs.2 lakhs
Year 2020	Rs. 30 lakhs	Rs.4 lakhs

Calculate (a) P/v ratio (b) BEP (C) Sales to earn a profit of Rs. 5 lakhs.

- 3. a. What is Cost Analysis? Explain the cost analysis for pricing during Recession Conditions.
  - b. Auto parts Ltd., has an annual production of 90,000 units for a Motor Component. The Component cost structure is as below:

component: The component cost structure is as below:						
	Rs.					
Materials	270 per unit					
Labour (25% fixed)	180 per unit					
Variable expenses	90 per unit					
Fixed expenses	135 per unit					
Total cost	675 per unit					

The purchase manager received an offer from a supplier who is willing to supply the component at Rs. 540. Should the component be purchased or produced?

- 4. a. What is Break-Even Analysis? Explain the break even analysis of multi-product firms.
  - b. Describe the different Pricing Strategies.
- 5. a. Define Master Budget. What are the advantages and disadvantages of Master Budget?
  - b. From the following information prepare a Cash Budget in respect of 3 months from April 1<sup>st</sup> to 30<sup>th</sup> June.

Months	Sales	Purchases	Wages	Overheads
January	80,000	40,000	11,000	6,200
February	86,000	48,000	11,600	6,000
March	84,000	50,000	12,000	6,800
April	90,000	56,000	12,400	7,200
May	94,000	62,000	13,000	8.600
June	96,000	50,000	14,000	8,000

Additional Information:-

- (i) Cash balance expected on 1<sup>st</sup> April, Rs, 40,000.
- (ii) Two months credit allowed to customers.
- (iii) One month credit allowed by suppliers.
- (iv) Wages and overheads delayed one month.

# PAPER-III: INDIAN AND INTERNATIONAL BUSINESS ENVRIONMENT Answer all questions (20 Marks)

- 1. a. Discuss the various factors influencing business environment.
  - b. What is meant by economic system? Explain the structure of Indian Economy.
- 2. a. State the role of monetary policy in the development of Indian Economy.
  - b. What is meant by disinvestment? Explain the recent trends and impact of disinvestment in India.
- 3. a. Define International Business. Explain the significance and barriers of International business.
  - b. What are the components of balance payments? State the reasons for disequilibrium in balance of payments.
- 4. a. Describe the foreign exchange market mechanism and its role in international trade.
  - b. Explain the role multinational corporations in the developing economies like India.
- 5. a. Explain the role of IMF and IBRD in international business.
  - b. Discuss the functions and performance of World Trade Organization.

# PAPER-IV: MANAGEMENT AND ORGANIZATIONAL BEHAVIOUR Answer all questions (20 Marks)

- 1. a. What is Management? Explain its nature and scope.
  - b. Discuss the decision making process in different conditions.
- 2. a. Explain the principles, advantages and disadvantages of delegation of authority.
  - b. Describe the characteristics merits and demerits of line and staff organization.
- 3. a. What is meant by communication? Explain the different types communication.
  - b. Describe the modern techniques of control.
- 4. a. Elucidate the social dimensions of organizational behaviour.
  - b. Discuss the external forces of organizational change.
- 5. a. Describe the characteristics of organizational development.
  - b. What are the organizational effectiveness Indicators? Discuss.

#### PAPER-V: STATISTICS FOR BUSINESS DECISIONS

**(20 Marks)** 

### Answer all the Questions not exceeding **FOUR** pages each

- 1 (a) Elucidate about the Mean, Median and Mode.
  - (b) Calculate the value of Mode for the following data by grouping method:

Marks	10	15	20	25	30	35	40
No. of Students	08	12	36	35	28	18	09

- 2 (a) Differentiate between Correlation and Regression.
  - (b) Compute the Karl Pearson's Coefficient of Correlation from the following data. Also find the Probable Error. Write your comment.

Fertilizer used (tonnes)	15	18	20	24	30	35	40	50
Productivity (tonnes)	85	93	95	105	120	130	150	160

- 3 (a) Describe the Rev. Thomas Bayes' Theorem vividly.
- (b) Of the eggs supplied to a cooperative, 30%, 20%, 35% and 15% come from the poultry farms A, B, C and D respectively, Rotten eggs account for 2%, 1%, 25% and 1% of the supplies by A, B, C and D respectively. An egg is taken at random and found to be defective. What is the probability that it was supplied by A, B, C or D?
- 4 (a) Explain about the following Theoretical Distributions.
  - 1. Binomial Distribution.
  - 2. Poisson Distribution.
- (b) A set of 5 coins is tossed 3200 times and the number of heads appearing each time is noted. The results are given below:

No. of heads	0	1	2	3	4	5
Frequency	80	570	1100	900	500	50

Test the hypothesis that the coins are unbiased.

- 5 (a) Write the uses of Chi-square Test.
  - (b) Narrate the Analysis of Variance.

\*\*\*\*\*