Time: 03 hrs Max. Marks. 100

Note: 1) ALL questions are COMPULSORY.

2) Figures to the right indicate full marks.

| A) | Select the most appropriate answer from the following: (ANY TEN) | [10] | | | | | | | | |
|-----|--|---------|--|--|--|--|--|--|--|--|
| 1) | Accounting Standard in India are issued by | | | | | | | | | |
| | A) Accounting Standard Board B) Government of India C) SEBI D) Institute of Cost and works Accountants of India of ICAI | | | | | | | | | |
| 2) | Items of expenses not connected with any departments are | | | | | | | | | |
| | A) Charged to departments on the basis of B) Charged to the General Profit & Loss A/c total sales | | | | | | | | | |
| | C) Shown on the Debit side of Trading A/c D) Charged to departments on the basis of Fixed Assets employed | | | | | | | | | |
| 3) | Rent and rates are apportioned to different departments on the basis of | | | | | | | | | |
| | A) Sales of each department B) purchases of each department | | | | | | | | | |
| | C) area occupied by each department D) Time devoted for supervisions | | | | | | | | | |
| 4) | Compute cost of Goods manufactured if, Opening Stock of WIP = Rs.67000, Raw material consumed = Rs,6,35,000, Direct Expenses = 4,69,500, Depreciation on Plant = Rs.1,93,600, Closing Stock of WIP = 1,01,000. | | | | | | | | | |
| | A) Rs.12,64,100 B) Rs.12,46,000 C) Rs.10,70,500 D) Rs.8,45,750 | | | | | | | | | |
| 5) | Depreciation on furniture is shown on | | | | | | | | | |
| ŕ | A) the debit side of Profit & loss account B) the debit side of Manufacturing account | | | | | | | | | |
| | C) the liabilities side of the Balance Sheet D) the Assets side of the Balance Sheet | | | | | | | | | |
| 6) | Drawings are deducted from | | | | | | | | | |
| | A) Sales B) Purchase | | | | | | | | | |
| | C) Return outward D) Capital | | | | | | | | | |
| 7) | is price payable if full payment is made immediately. | | | | | | | | | |
| | A) Market Price B) Cash Price C) Hire Purchase price D) Down Payment | | | | | | | | | |
| 8) | Interest in a Hire Purchase Transaction is charged on | | | | | | | | | |
| | A) Full amount B) Cash Price C) Outstanding amount D) Market Value | | | | | | | | | |
| 9) | AS 9 deals with | | | | | | | | | |
| | A) Stock Valuation B) Cash Flow Analysis C) Revenue Recognition D) Disclosure of Accounting Policies | | | | | | | | | |
| 10) | The standard which governs inventory valuation is | | | | | | | | | |
| , | A) AS 3 B) AS 2 C) AS 10 D) AS 6 | | | | | | | | | |
| 11) | Provision for Stock reserve with respect to stocks when transfers are effected at sale price is to be | | | | | | | | | |
| | charged to A) Departmental trading account B) Departmental Profit and loss account | | | | | | | | | |
| | C) Balance sheet D) General profit and loss account | (P.T.O) | | | | | | | | |

- 12) Carriage on purchase of furniture is_____.
 - A) Capital Receipt
- B) Capital Expenditure
- C) Revenue expenditure
- D) Deferred revenue expenditure

Q.1 B) State whether the following statement are TRUE or FALSE: (ANY TEN)

[10]

[20]

[20]

- 1) Under Hire Purchase System the ownership is transferred on payment of last installment.
- 2) Under Hire Purchase System, Depreciation is provided on Cash Price of the asset.
- 3) When closing stock of current year is undervalued, profit is understated.
- 4) Repairs incurred before using a secondhand car purchased is Capital expenditure.
- 5) Manufacturing Account shows Cost of production.
- 6) Patents and copyright is a an Intangible asset.
- 7) Sale of scrap is shown on Credit side of Profit & Loss Account.
- 8) Hire purchase price is less than cash price.
- 9) Freight outward is allocated on the basis of purchases of each department.
- 10) Interest received is credited to Departmental Profit and Loss Account.
- 11) Live stock is a Current Asset.
- 12) Deferred Revenue Expenditures increase profitability of the organization.
- Q.2 A) The stock on hand of a material as on 1-9-2022 was 500 units at Rs. 100 per unit. The following purchases and issues were subsequently made. Prepare the Stores Ledger Account showing how the value of the issues would be recorded under FIFO method

| Purchases | | Issues | |
|------------------|-----------------------|------------|-----------|
| 06-09-2022 | 100 units at Rs. 110 | 09-09-2022 | 500 units |
| 12-09-2022 | 700 units at Rs. 120 | 14-09-2022 | 500 units |
| 18-09-2022 | 400 units at Rs. 130 | 20-09-2022 | 500 units |
| 23-09-2022 | 1000 units at Rs. 140 | 25-09-2022 | 500 units |
| 26-09-2022 | 500 units at Rs. 150 | 28-09-2022 | 500 units |
| 29-09-2022 | 400 units at Rs. 160 | 30-09-2022 | 500 units |
| | | OR | |

Q.2 B) Ganesh purchased a car on hire-purchase system from Kiran on 1st April 2020. He paid Rs. 2,50,000 on signing the contract and thereafter four half yearly installments of Rs. 2,00,000 each along with interest on 30th September and 31st March every year. The cash value of the car was Rs. 10,50,000. The Premier Ltd. charged interest at 10% p.a.

Ganesh closes his books of accounts on 31st March every year and charges depreciation on Car @ 15% p a on book value.

Prepare Kiran's Account, Vehicles Account, and Interest Account in the books of Ganesh from 1.4.2020 to 31.3.2022.

- Q.3 A) State with reasons whether the following receipts/incomes and payments/expenses are CAPITAL [20] or REVENUE:
 - 1. Brokerage charges paid for purchase of asset
 - 2. Painting of the factory building.
 - 3. Amount collected by issue of shares.
 - 4. Recovery of bad debts.
 - 5. Wages incurred for installation of machinery.
 - 6. Discount allowed to debtors.
 - 7. Cost of purchasing copyright from author.
 - 8. Claim amount received from insurance company for loss of stock due fire.
 - 9. Amount received from landlord as compensation for surrender tenancy right to the shop.
 - 10. Heavy advertisement expenditure incurred for new advertising campion.

OR

Q.3 B) From the following details prepare Departmental Trading A/c, Profit A/c Loss A/c of W.M. Stores for [20] the year ended 31st March 2022.

| Particulars | Common | Dept I | Dept II | Dept III |
|-----------------------|--------|----------|----------|----------|
| Purchases | | 4,54,300 | 3,04,900 | 3,07,700 |
| Opening stock | | 34,500 | 45,000 | 63,000 |
| Sales Return | | 23,000 | 18,800 | 23,400 |
| Sales | | 8,23,000 | 6,18,800 | 6,23,400 |
| Purchase Return | | 4,300 | 4,900 | 7,700 |
| Wages & Salaries | | 75,800 | 87,900 | 65,300 |
| Carriage outward | | 45,600 | 25,400 | 36,600 |
| Closing Stock | | 45,000 | 35,000 | 56,000 |
| Rent of premises | 15,000 | | | |
| Electricity | 25,000 | | | |
| Printing & Stationery | 5,800 | | | |
| Discount Allowed | 15,000 | | | |
| Discount received | 14,000 | | | |
| Legal Charges | 10,000 | | | |

Depreciation on furniture worth Rs. 35,000 department I and worth Rs. 40,000 in department II is to be provided at 10%. Area occupied by three departments are 3,000: 2,000 and 1,000 sq.feet. respectively. Electricity and Printing and Stationery are to be apportioned on the basis of Net Sales of three departments.

Q.4 A) The following is the Trial Balance of Mr. ABC. You are required to prepare Final Account for the [20] year ended 31st March, 2022

| Particulars | Amt. | Particulars | Amt. |
|--------------------------|-----------|------------------|-----------|
| Cash in hand | 10,000 | Capital A/c | 4,18,600 |
| Machinery | 3,00,000 | Sales | 13,87,800 |
| Drawing | 25,000 | R.D.D. | 5,600 |
| Factory Power & Fuel | 4,500 | Sundry Creditors | 88,000 |
| Office Salary | 62,250 | | |
| Carriage outward | 5,000 | | |
| Manufacturing wages | 93,000 | | |
| Furniture & Fittings | 34,000 | | |
| Opening stock: | | | |
| a) Finished goods | 40,000 | | |
| b) Work in progress | 72,500 | | |
| c) Raw Material | 28,000 | | |
| Carriage inward | 10,000 | | |
| Rent (Factory 3/4th) | 40,000 | | |
| Sundry Debtors | 2,16,000 | | |
| Advertising | 7,750 | | |
| Printing & Stationery | 12,000 | | |
| Factory Insurance | 12,800 | | |
| Purchase of Raw Material | 8,29,500 | | |
| Balance at Bank | 85,300 | | |
| Discount allowded | 6,100 | | |
| Miscellaneous Exp. | 6,300 | | |
| | 19,00,000 | | 19,00,000 |

Adjustments:

- 1) Closing stock:
- a) Finished goods 65,000 b) Raw Material Rs. 7,500 c) Work in progress 47,500.
- 2) A motor car purchased on 1st October 2021 for Rs. 1,00,000 has been included in purchases.
- 3) Depreciate Machinery @ 15% p.a., Motor Car @ 20% p.a., Furniture & Fixtures @ 15% p.a.
- 4) Provision for R.D.D. should be maintained at 10% of the Debtors.
- 5) Provision for unrealised rent in respect of proportion of office sublet at Rs. 5,000 per month from 1st October 2021 has to be made.

OR

(P.T.O)

Q 4 B) From the following particulars, prepare Trading and Profit and Loss Account of the two departments [20] A and B for the year ended 31.3.2022.

| | | | | , |
|----|-----|--|--|---|
| To | tal | | | |
| R | s. | | | |

| | Α | В | Total |
|--------------------------|----------|--------|----------|
| | Rs. | Rs. | Rs. |
| Opening stock | 15,000 | 10,000 | 25,000 |
| Purchases | 91,000 | 60,500 | 1,50,000 |
| Carriage Inwards | | | 2,000 |
| Salaries | 8,000 | 7,000 | 15,000 |
| Sales | 1,20,000 | 80,000 | 2,00,000 |
| Purchase Return | 1,000 | 500 | 1,500 |
| Discount Received | | | 1,500 |
| General Expenses | | | 10,000 |
| Rent and Rates | | | 5,000 |
| Advertising | | | 10,000 |
| Insurance | | | 1,000 |
| Discount Allowed | | | 1,500 |
| Selling and Distribution | Expenses | | 500 |

The further information is relevant.

- 1) General expenses are to be allocated equally.
- 2) Goods transferred from Department A to B were Rs. 3,000.
- 3) The area occupied is A 3/5 and B 2/5.
- 4) Insurance is paid under a comprehensive policy.
- 5) The closing stock of the two departments: A Rs. 20,000, B Rs. 15,000
- Q.5 A) Explain in detail the provisions of AS 9 [10]
 B) Explain need and importance of Departmental Accounts. [10]
- Q.5 C) Write short notes: (ANY FOUR)

[20]

- 1) AS 1
- 2) FIFO Method of Stock Valuation
- 3) Importance of distinguish between Capital and Revenue
- 4) Determination of Cost of Manufacture
- 5) Hire Purchase
- 6) Various basis of allocation of expenses amongst departments

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FYBCOM-I-REG/ATKT-DEC-2022-B.C.

Max. Marks. 100

Time: 03 hrs

| | | Note: 1) ALL questions are COMPULSORY. 2) Figures to the right indicate full marks. | |
|-----|----------------------------------|--|---------|
| Q.1 | A) 1) 2) 3) 4) 5) 6) 7) | Explain the following terms in two to three sentences: (ANY FIVE) Decoding E – communication Kinesics Cross – cultural Barriers Hierarchy 'You' Attitude Postscript | [10] |
| Q.1 | B) 1) 2) 3) 4) 5) | State whether the following statements are TRUE or FALSE: Communication only involves transfer of information. Coloum cannot country messages. www is a user friendly facet of Internet. Social media tools tend to be available at a very high cost relative to other forms of media. Listening enables understanding of a message. | [05] |
| Q.1 | C) 1) | Fill in the blanks choosing the best alternative from the ones given below: communication cannot be trusted fully. A) Vertical B) Horizontal C) Diagonal D) Grapevine | [05] |
| | 2) | is a measure of the success of the message communicated. A) Encoding B) Feedback C) Symbols D) Decoding | |
| | 3) | Which of the following is not one of the 7 Cs of communication? A) Coherence B) Correctness C) Courtesy D) Clarify | |
| | 4) | Which of the following should not be covered in a statement of purpose? A) The course applied for B) Reason for wanting to join the institute C) Your personal and financial D) Your true experiences that reveal your personality liabilities | |
| | 5) | Listening is aeffort by the receiver to perceive and understand the message. A) Unconscious B) Conscious C) Universal D) Passive | |
| Q.2 | 1) 2) 3) 4) 5) 6) | Write short notes on: (ANY FOUR) Communication Cycle Importance of Communication in the Corporate World Websites Advantages and Disadvantages of WhatsApp Horizontal Communication Advantages of Oral Communication | [20] |
| | | | (P.T.O) |

FYBCOM-I-REG/ATKT-DEC-2022-B.C.

| Q.3 | | Answer ANY TWO of the following: | [20] |
|-----|-----|--|------|
| | A) | What is personal integrity? How can personal integrity make a difference at the workplace? | |
| | B) | Discuss in detail the semantic barriers to communication. | |
| | C) | What do you understand by listening? What are the tips for cultivating good listening skills? | |
| Q.4 | | Draft an application letter in response to the following advertisement: | [10] |
| | | "A well reputed South Mumbai based company is looking for suitable marketing executives. | |
| | | Candidates must be commerce graduates, able to work independently and should be willing to | |
| | | take responsibilities. Apply with detailed resume to P.O. Bos 2421, The Times of India, Fort, | |
| | | Mumbai – 400 071." | |
| Q.5 | | Draft the following letters: (ANY FOUR) | [20] |
| | A) | You are applying for an MBA program in finance at Texas University, USA, Draft the statement of purpose. | |
| | B) | Rahul Varma has been offered the post of Regional Sales Manager in Delta Enterprises Ltd. Draft a letter of acceptance on his behalf. | |
| | C) | Draft a letter of recommendation for your junior who has given your name as referee in her application for the post of Asst. Marketing Manager with Blue Star Electronics Ltd. | |
| | D) | Mr. Praful Shah of Pioneer Private Ltd., Mumbai working as Finance Manager wishes to resign from his post. Draft the letter of resignation on his behalf. | |
| | E) | Mr. Vikas from your IT department has stepped in to assist with the technological aspects in | |
| | | the ongoing business conference organized by your company. Draft a letter of appreciation to | |
| | | him. | |
| Q.6 | A) | Write a paragraph in about one hundred fifty words on ANY ONE of the following topics: | [05] |
| | i) | Ban on plastic | |
| | ii) | Your dream role | |
| | B) | Read the following situation carefully and answer the questions given below: | |
| | | The Personnel Manager gave his new clerk a letter with the instruction, "Take it to our | |
| | | stockroom and burn it ". In the Personnel Manager's mind the word 'burn 'meant to make a | |
| | | copy on a company machine which operated by a heat process. As the letter was extremely | |
| | | important, he wanted an extra copy. However, the puzzled new clerk, afraid to ask questions, | |
| | | burned the letter with a lighted match and thus destroyed the only existing copy." | |
| | i) | Identify and explain the problem in the given situation. | [03] |

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ii) Discuss the means to overcome the problem.

[02]

FYBCOM-I-REG/ATKT-DEC-2022-COMMERCE-I

Time: 03 hrs Max. Marks. 100 Note: 1) ALL questions are COMPULSORY. 2) Figures to the right indicate full marks. Q.1 A) Fill in the blanks with the most appropriate option given: (ANY TEN) [10] 1) Business is a___ __activity. A) economic B) human C) anti-human D) socio-economic 2) Modern business is oriented. A) Sales B) consumer C) product D) services is a direct aid to trade. 3) A) warehousing B) agriculture C) mining D) manufacturing 4) Impact of festivals on business is an example of _____environment. A) cultural economic C) political D) national 5) Training institutes like NIIT, are a part of _____environment. A) international B) cultural C) D) educational social Plantation drive by the corporate sector is a ______objective. 6) A) social B) cultural C) political D) human 7) Technical feasibility includes study of___ A) capital B) location C) machines D) products Study of _____is a part of market feasibility. 8) Competition A) production B) C) land D) resources

Financial feasibility includes assessing_ 9) A) product B) customer C) capital-needs D) process 10) Educational environment and business are_ A) dependent B) interdependent C) isolated D) proxy _is an essential feature of business. 11) A) B) process risk C) D) export loss

FYBCOM-I-REG/ATKT-DEC-2022-COMMERCE-I

| | 12) | The | term intrapreneur wa | as introd | luced by | | | | | | |
|-----|-----|----------------------------------|-------------------------|------------|--|------|--|--|--|--|--|
| | | A) | Gifford Pinchot | B) | Peter Drucker | | | | | | |
| | | C) | Jeff Bezoz | D) | Elon musk | | | | | | |
| | B) | State | e TRUE or FALSE for | or the f | ollowing statements: (ANY TEN) | [10] | | | | | |
| | 1) | | ness is guided by ec | | | | | | | | |
| | 2) | | atization promotes th | • | | | | | | | |
| | 3) | | sibility study helps se | - | · | | | | | | |
| | 4) | | | | n example of human objectives of business. | | | | | | |
| | 5) | | ness can also be a n | - | _ | | | | | | |
| | 6) | | | | nly positive impact on business. | | | | | | |
| | 7) | | and uncertainty go t | • | | | | | | | |
| | 8) | | ness is not regulated | • | | | | | | | |
| | 9) | | is an essential featu | | | | | | | | |
| | 10) | | e blocs encourage b | | against members. | | | | | | |
| | 11) | | is a member of ASE | | | | | | | | |
| | 12) | MAV | 'IM was established | for traini | ing women in Gujrat. | | | | | | |
| Q.2 | | Answer ANY TWO of the following: | | | | | | | | | |
| | A) | Desc | cribe the functions of | busines | SS. | | | | | | |
| | B) | Disc | uss the positive and | negative | e impact of liberalisation. | | | | | | |
| | C) | Disc | uss steps in Turnaro | und stra | ategy. | | | | | | |
| Q.3 | | Ansv | wer ANY TWO of th | e follov | ving: | [15] | | | | | |
| | A) | Disc | uss the importance o | of trade | blocs. | | | | | | |
| | B) | Give | the importance of be | usiness | environment. | | | | | | |
| | C) | Disc | uss the features of e | ducatior | nal environment. | | | | | | |
| Q.4 | | Ansv | wer ANY TWO of th | e follov | ving: | [15] | | | | | |
| | A) | Desc | cribe the steps in set | ting up o | of a business. | | | | | | |
| | B) | Write | e a note on project p | lanning. | | | | | | | |
| | C) | Wha | t factors influence se | election | of business location? | | | | | | |
| Q.5 | | Ansv | wer ANY TWO of th | e follov | ving: | [15] | | | | | |
| | A) | Brief | ly explain the types | of entrep | preneurs. | | | | | | |
| | B) | Wha | t problems are faced | by won | nen entrepreneurs? | | | | | | |
| | C) | Give | the importance of e | ntreprer | neurship. | | | | | | |
| Q.6 | | Write | e Short Notes: (AN | Y FOUR | R) | [20] | | | | | |
| | A) | Priva | atization | | | | | | | | |
| | B) | Hum | an objectives | | | | | | | | |
| | C) | Exte | rnal environment | | | | | | | | |
| | D) | Intra | preneur | | | | | | | | |
| | E) | Socia | al objectives | | | | | | | | |
| | F) | WTC |) | | | | | | | | |
| | | | | | | | | | | | |

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FYBCOM-I-REG/ATKT-DEC-2022-BUS.ECO-I

Time: 03 hrs Max. Marks. 100

2) Figures to the right indicate full marks.

Note: 1) ALL questions are COMPULSORY.

| | | | 3) All questions have internal choice.4) Use of simple calculator is allowed. | | | | | | | | | | |
|-----|-------|---|--|------|--|--|--|--|--|--|--|--|--|
| | | | 5) Draw neat diagrams wherever necessary. | | | | | | | | | | |
| Q.1 | A) | Selec | ct the best answer from the given options and rewrite the statement:(ANY TEN) | [10] | | | | | | | | | |
| | i) | | shows the functional relationship between two or more economic variables. | | | | | | | | | | |
| | | A) | Demand B) Supply | | | | | | | | | | |
| | | C) | Consumption D) Graph | | | | | | | | | | |
| | ii) | | refers to change in one variable due to change in other variable. | | | | | | | | | | |
| | | A) | Business Economics B) Graph | | | | | | | | | | |
| | | C) | Slope D) Cubic function | | | | | | | | | | |
| | iii) | The r | ratio of change in total revenue to a change in output sold is | | | | | | | | | | |
| | | A) | Average revenue B) Marginal revenue | | | | | | | | | | |
| | | C) | Average cost D) Marginal cost | | | | | | | | | | |
| | iv) | The p | point at which the quantity demanded equals supplied is the | | | | | | | | | | |
| | | A) | Consumer's equilibrium B) Equilibrium point | | | | | | | | | | |
| | | C) | Total demand D) Total supply | | | | | | | | | | |
| | v) | If cro | If cross elasticity of demand is positive, goods are | | | | | | | | | | |
| | | A) | Complementary B) Zero | | | | | | | | | | |
| | | C) | Substitutes D) Not related | | | | | | | | | | |
| | vi) | vi) A percentage change in quantity demanded divided by a percentage change in pric | | | | | | | | | | | |
| | | A) | Price elasticity of supply B) Price elasticity of demand | | | | | | | | | | |
| | | C) | Cross elasticity of demand D) Elasticity of substitution | | | | | | | | | | |
| | vii) | Dema | and forecasting is an estimate of thedemand. | | | | | | | | | | |
| | · | A) | Past B) Present | | | | | | | | | | |
| | | C) | Future D) Cubic | | | | | | | | | | |
| | viii) | The_ | method uses time series data. | | | | | | | | | | |
| | | A) | Sample survey B) Delphi | | | | | | | | | | |
| | | C) | Laboratory experimentation D) Trend | | | | | | | | | | |
| | ix) | The a | area lying between the two ridge lines is the | | | | | | | | | | |
| | | A) | Non-economic region B) Economic region | | | | | | | | | | |
| | | C) | Economics of scope D) Economies of scale | | | | | | | | | | |
| | x) | The s | slope of an ISO-quant refers to the measurement of :- | | | | | | | | | | |
| | | A) | The marginal rate of technical B) The marginal physical product of labour substitution | | | | | | | | | | |
| | | C) | The capital efficiency D) Marginal cost | | | | | | | | | | |

FYBCOM-I-REG/ATKT-DEC-2022-BUS.ECO-I

| | xi) | Mone | y cost = | · | | | | | | | | | |
|-----|---|---|-------------------------------------|----------------|----------|-----------------------|------------|---------------|--------------------|--------------|--|--|--|
| | | A) | Fixed and varia | able costs | B) | Socia | ıl + Priva | ate cost | | | | | |
| | | C) | Explicit cost + | Implicit cost | D) | AC + | MC | | | | | | |
| | xii) | Electi | ricity charges, Sa | ales tax etc. | are the | examp | les of | - | | | | | |
| | | A) | Fixed cost | B) | Priva | ite cost | | | | | | | |
| | | C) | Variable cost | D) | Socia | al cost | | | | | | | |
| Q.1 | B) | Write | whether the fo | llowing sta | temen | ts are T | RUE or | FALSE. (AI | NY TEN) | [10] | | | |
| | i) | Funct | ional relationship | o is denoted | by syr | nbol 'f'. | | | | | | | |
| | ii) | | rtunity costs aris | | | | | | | | | | |
| | iii) | | market demand Inded. | schedule s | shows | a direc | t relatior | nship betwe | en price and q | luantity | | | |
| | iv) | | athematical exp | | | | • | • | ity demanded | of the | | | |
| | v) | | nonopoly firm fac | | | | | | | | | | |
| | vi) | | otional elasticity | | | . • | | | | | | | |
| | vii) | Expe | rt opinion is a sta | atistical meth | nod of o | demand | forecas | ting. | | | | | |
| | viii) | Produ | uction function re | fers to trans | format | ion of ir | put into | output. | | | | | |
| | ix) | Marg | nal product refe | s to total pr | oduct p | er unit | of variab | le factor. | | | | | |
| | x) | TC is | the summation of | of TFC and | TVC. | | | | | | | | |
| | xi) | Learning curve was developed by Adam Smith. | | | | | | | | | | | |
| | xii) | At Br | eak-even point T | R = TC. | | | | | | | | | |
| Q.2 | | | npt A and B or (| | | | | | | [07] | | | |
| | A) | | | | | | | | | | | | |
| | | 1) | | 2) Functi | | , | Equation | | | | | | |
| | B) | Discu | ss the use of ma | arginal analy | sis in c | lecision OR | making. | | | [08] | | | |
| Q.2 | C) | | the following da | | 0 1 4 | | | | | [07] | | | |
| | | | ntity (In Units) | 1 2 | 3 4 | | | | | | | | |
| | | | e (In ₹) | 10 9 | 8 7 | 6 | | | | | | | |
| | | - | Iculate TR, AR a | | . A D | MD | TD | | | | | | |
| | D) | • | plain the relation | • | | | | d Equilibrium | nrice with the h | oolp of [09] | | | |
| | D) | - | in the basics of i ble diagrams. | narket dem | anu, m | arket St | ірріу апс | a Equilibrium | i price with the r | nelp of [08] | | | |
| Q.3 | | Atten | npt A and B or (| C and D: | | | | | | | | | |
| | A) | State | and explain the | determinant | ts of de | mand. | | | | [07] | | | |
| | B) | Calcu | late the cross | Elasticity of | f dema | ınd, If | the price | e of coffee | rises from ₹.2 | 00 per [08] | | | |
| | | kg.Rs | s.400 per kg. and | l consequen | itly den | nand for OR | tea incr | eases from | 20 kg. to 60 kg. | | | | |
| Q.3 | C) | What | is demand fored | asting? Exp | lain the | | cance of | demand for | ecasting. | [07] | | | |
| | D) Estimate annual sales for the year 2024 (using OLS method) | | | | | | | | | [80] | | | |
| | | Yea | | | 2017 | 2018 | 2019 | 2020 | | | | | |
| | | Sale | s (₹ in Lakhs) | 2 | 6 | 8 | 14 | 10 | | | | | |
| Q.4 | | Atten | npt A and B or (| C and D: | | | | | | | | | |
| | A) | Write | short note on pr | oduction fur | nction | | | | | [07] | | | |

OR

[80]

B) Discuss the producer's equilibrium.

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| Q.4 | C) | State and explain the law of variable proportions. Discuss the internal and external economics of scale. | | | | | | | | | [07] [08] | |
|-----|----|---|----------|---------|---------|-----------|-----------|----------|--------|------------------------------|--------------|--|
| | D) | Discuss the internal and external economics of scale. | | | | | | | | | | |
| Q.5 | | Attempt A an | d B o | r C an | d D: | | | | | | | |
| | A) | Distinguish be | tweer | า: | | | | | | | [07] | |
| | | 1) Fixed cost a | and va | ariable | cost. | | | | | | | |
| | | 2) Historical C | ost ar | nd Rep | olacen | nent Co | st | | | | | |
| | B) | Calculate AFC | C, AVC | C, AC | and M | C. | | | | | [80] | |
| | | Output (Q) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | | |
| | | TC | 40 | 65 | 85 | 110 | 140 | 175 | 215 | | | |
| | | TFC | 10 | 10 | 10 | 10 | 10 | 10 | 10 | | | |
| | | | | • | | | Ol | ₹ | | | | |
| Q.5 | C) | Explain the Br | eak-e | ven A | nalysis | s with th | ne help | of diag | rams. | | [07] | |
| | D) | For a hypothe | etical f | irm, If | price | of proc | luct is a | ₹.100/-, | TFC is | ₹.20,000/-, and AVC is ₹.20, | [80] | |
| | | Then: | | | | | | | | | | |
| | 1) | Calculate brea | ak-eve | en outp | out for | this firr | n. | | | | | |
| | 2) | At the original | price | and A | VC, w | hat will | be bre | ak even | quanti | ty if TFC rises to ₹.30,000? | | |
| Q.6 | A) | Discuss the na | ature (| of dem | nand c | urves ir | n differe | ent marl | kets. | | [10] | |
| | B) | Derive the LA | C and | write | its fea | tures. | | | | | [10] | |
| | | | | | | | Ol | ₹ | | | | |
| Q.6 | | Write short n | otes: | (ANY | FOUR) | 1 | | | | | [20] | |
| | A) | Scope of Busi | ness | Econo | mics | | | | | | | |
| | B) | Opportunity co | ost pri | nciple | | | | | | | | |
| | C) | ISO Quant | | | | | | | | | | |
| | D) | Ridge line | | | | | | | | | | |
| | E) | Economies of | scope | Э | | | | | | | | |
| | F) | Learning curve | е | | | | | | | | | |
| | | | | | | | | | | | | |

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FYBCOM-I-REG/ATKT-DEC-2022-E.V.S.

| | Seat No Supervisor's Signature |
|---|--------------------------------|
| - | World Map |
| | |
| | |

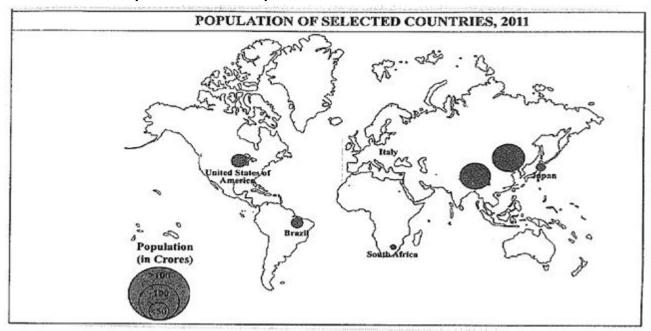
FYBCOM-I-REG/ATKT-DEC-2022-E.V.S.

Time: 03 hrs Max. Marks. 100

Note: 1) ALL questions are COMPULSORY.

- 2) Figures to the right indicate full marks.
- Draw maps wherever necessary.
- 4) Map stencils are permitted.
- Attach the world map to the main answersheet.

Read the world map and answer the questions:



What is the cartographic technique used to represent the data? 2) [01] 3) Name two large size population countries in Asia. [02] 4) Name two countries having less than 50 crores population. [02] Name two countries having more than 100 crores population. 5) [02] State the amount of population in USA and Brazil. 6) [02] B) On the outline map of the world mark and name the following: [10] A mountain range in Africa. 1)

[01]

[20]

[20]

What is the theme of the map?

- 2) A river in South America.
- 3) A cyclone prone area.

1)

- 4) A sparsely populated country.
- 5) An isthumian location.
- 6) An oil producing country.
- 7) A wool producing country.
- 8) A water deficit country.
- A country having high deforestation rate. 9)
- 10) A biodiversity hotspot in India.

Q.2 **Answer ANY TWO from the following:**

- A) Explain the various types of ecosystems.
- Explain how portal location influences the development of commercial activities.
- Discuss the significance of Food chain and Food web.

Q.3 **Answer ANY TWO from the following:**

- A) Account for the significance of Non-conventional resources.
- B) Describe the problems associated with forest resources.
- C) Discuss methods of water Management.

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| Q.4 | | Answer ANY TWO from the following: | [20] |
|-----|----|--|------|
| | A) | Divide the world into major density zones and explain any one of them in detail. | |
| | B) | Explain in detail patterns of population growth and associated problems. | |
| | C) | Give a detail account of human impact on environment. | |
| Q.5 | | Answer ANY TWO from the following: | [20] |
| | A) | Explain the concept of urbanization and causes of urbanization. | |
| | B) | Write a short note on Smart City. | |
| | C) | Write a short on Urban Heat Islands. | |
| | | <i>\$\$</i> \$\$\$•\$\$\$\$ | |

Max. Marks. 75

(P.T.O)

Time: 02 hrs 30 min

2)

Note: 1) ALL questions are COMPULSORY. 2) Figures to the right indicate full marks. Q.1 **Choose the right alternative: (ANY EIGHT)** [80] A) The smaller cities are looked after by __ 1) A) **Municipal Corporation** B) **Municipal Council** C) State Government Panchayat Raj D) The holy book of Buddhism is____ Bhagvad Gita A) B) Bible C) Guru Granth Sahib D) Tripitaka The word _____ means equal respect for all religions. A) Secular B) Sovereign C) socialist D) democratic __ was formed as a separate state from Andhra Pradesh. 4) Chattisgarh B) Telangana A) C) Ladakh D) Hyderabad __ is the only state in India where females out number males. 5) A) Kerala B) Haryana Tamil Nadu C) Uttar Pradesh D) Indian society is _____ in nature. A) pluralistic B) urban C) rural D) tribal The urban areas in India are looked after by the___ A) Central Government B) State Government C) Municipalities D) Panchayat Raj The constitution of India confers _____ citizenship. A) Single B) Dual Multiple C) D) No _ is the solution to communalism. Capitalism **Patriotism** A) B) C) Regionalism D) Linguism 10) The main reason for female foeticide is A) preference for male child pollution C) globalization D) untouchability State whether the following statements are TRUE or FALSE: (ANY SEVEN) [07] B) Kerala has the highest literacy rate in India 1)

The infant mortality rate is higher is case of boys as compared to girls

Municipal council is also known as Nagar Parishad

Eve teasing is a social violence against women.

Indian constitution is one of the longest constitution in the world.

3) 4)

5)

| | 6) | Regionalism can create interstate tension | |
|-----|-----|--|------|
| | 7) | Unemployment rate is higher in rural areas as compared to urban areas | |
| | 8) | India has adopted presidential democracy | |
| | 9) | Caste system promotes social progress and modernization | |
| | 10) | The election commission of India has the power to de-recognize political parties when found fraudulent. | |
| Q.2 | A) | Explain in detail the urban and rural divide in India. | [15] |
| | | OR | |
| | B) | What are the positive and negative roles of mass media towards women? | [15] |
| Q.3 | A) | Explain Linguism and its causes. Enlist various measures to overcome the problem of linguism. | [15] |
| | | OR | |
| | B) | Explain inequalities generated due to caste system in India and the measures to combat these inequalities. | [15] |
| Q.4 | A) | Explain the structure and features of Indian Constitution. | [15] |
| | | OR | |
| | B) | Define Fundamental Duties. Explain the fundamental duties of citizens of India. | [15] |
| Q.5 | A) | Write a detailed note on Rural Local Self Government in India. | [15] |
| | | OR | |
| | B) | Write short notes on ANY THREE of the following: | [15] |
| | 1) | Diversity as difference | |
| | 2) | Mental Disabilities | |
| | 3) | Communalism | |
| | 4) | Peace and Communal Harmony | |
| | 5) | Characteristics of a political party | |
| | | | |

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FYBCOM-I-REG/ATKT-DEC-2022-MATHS & STATS

Time: 03 hrs Max. Marks. 100

Note: 1) ALL questions are COMPULSORY.

- 2) Figures to the right indicate full marks.
- 3) Use of simple calculator is allowed.
- 4) All questions carry equal marks.
- 5) Graph papers will be provided on request.

SECTION-I

Q.1 Attempt ANY FOUR of the following:

[20]

- A) Anil invested ₹ 99,144 in equity shares of 100 each at market price of ₹162 each. Afterwards he sold all his shares at ₹ 180 each. He paid brokerage of 2% on each transaction. Find his total gain.
- B) Sachin invested ₹ 25830 in mutual funds including entry load of 2.5%. If number of units purchased are 180, find NAV at purchase.
- C) Salim received ₹ 107784 after selling shares of a company at market price of ₹ 540, at 0.2% brokerage, find number of shares he sold.
- D) Vinod invested ₹ 50000 when NAV was ₹ 125.6 with entry load 2.5%. Find number of units & current value of investment if current NAV is ₹ 140.4.
- E) Amit is investing ₹ 1000 per month for four months on 10th of each month. NAV on these dates were ₹10.5, ₹12.8, ₹8.6, ₹9.8. If he paid 2% entry load for all these months, find total units he purchased. Find average price, including the entry load, using Rupee Cost Averaging Method And compare it with A.M of prices.

Q.2 Attempt ANY FOUR of the following:

[20]

- A) A committee of 3 is to be formed from 4 teachers & 6 students. In how many ways the committee can be formed such that it contains (i) only one professor (ii) all students.
- B) How many words can be formed using four different alphabets of word "COMPUTER". How many of them will start with alphabet 'C'?
- C) Solve following linear programming problem graphically

Maximize z = 5x + 3y

Subject to

 $2x + 3y \le 12$

 $X + Y \le 5$

 $X \ge 0, Y \ge 0$

D) Solve following linear programming problem graphically

Minimize z=3x+2y

Subject to

 $2x + y \ge 4$

 $X + Y \ge 3$

 $X \ge 0, Y \ge 0$

(P.T.O)

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E) A firm manufactures two products, A & B. The profits are ₹ 40 & ₹ 50 respectively. The firm has two machines and below is the required processing time in hours for each machine on each product.

| | Product | | | |
|---------|---------|---|--|--|
| Machine | А | В | | |
| M1 | 4 | 3 | | |
| M2 | 2 | 5 | | |

Machines M1 & M2 are available for 12 & 10 hours respectively. Formulate L.P.P. to maximize profit.

SECTION-II

Q.3 Attempt ANY FOUR of the following:

[20]

A) Calculate Mean & Standard Deviation for the following data:

| Х | 1 | 2 | 3 | 4 | 5 |
|-----------|---|---|----|---|---|
| Frequency | 7 | 9 | 10 | 8 | 6 |

B) Calculate Quartile Deviation for the following data:

| Class | 2-10 | 10-18 | 18-26 | 26-34 | 34-42 |
|-----------|------|-------|-------|-------|-------|
| Frequency | 4 | 12 | 20 | 16 | 8 |

C) Draw Histogram & locate Mode for the following data:

| Class | 0-10 | 10-20 | 20-30 | 30-40 | 40-50 |
|-----------|------|-------|-------|-------|-------|
| Frequency | 5 | 17 | 20 | 15 | 10 |

D) Calculate combined mean & standard deviation for the following:

| | Group I | Group II |
|--------|---------|----------|
| Number | 60 | 40 |
| Mean | 160 | 170 |
| SD | 2 | 5 |

E) Calculate Coefficient of Mean Deviation from mode for the following data:

| Х | 2 | 4 | 6 | 8 | 10 |
|-----------|---|---|----|---|----|
| Frequency | 5 | 7 | 10 | 6 | 4 |

Q.4 Attempt ANY FOUR of the following:

[20]

A) Calculate mean & variance of random variable, X having p. m. f. as follows:

| Х | - | 3 | | 7 | 9 |
|------|-----|-----|-----|-----|-----|
| P(X) | 0.2 | 0.1 | 0.4 | 0.2 | 0.1 |

B) Explain following terms with the help of an illustration.

i) Complementary Events

ii) Sample space

C) If two fair dice are rolled simultaneously then find probability that (i) sum of the numbers on uppermost faces will be 10 or 12 (ii) product of the numbers on uppermost faces will be perfect square.

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- D) Three unbiased coins are tossed simultaneously. Hence find probability of getting (i) two heads (ii) at least 2 tails
- E) A box consists of 4 red & 6 green balls. Two balls are randomly selected from this bag, hence find probability of getting (i) both are of different colour (ii) both are red.

Q.5 Attempt ANY FOUR of the following:

[20]

A) If the pay-off table is as given below, find best act using EMV criterion:

| Acts | States of nature | | | |
|-------------|------------------|------|------|--|
| | S1 | S2 | S3 | |
| A1 | 450 | 500 | 750 | |
| A2 | 250 | 100 | -100 | |
| A3 | 400 | 380 | 500 | |
| Probability | 0.4 | 0.25 | 0.35 | |

B) If the pay-off table is as given below, find best act using (i) Laplace criterion (ii) Maximin criterion:

| Acts | States of nature | | | | | |
|------|------------------|-----|-----|----|--|--|
| | S1 | S4 | | | | |
| A1 | 70 | 50 | 190 | 60 | | |
| A2 | 40 | 110 | 160 | 50 | | |
| A3 | 100 | 150 | 250 | 80 | | |

C) If the pay-off table is as given below, find best act using Minimax Regret criterion:

| Acts | States of nature | | | |
|------|------------------|-----|-----|--|
| | S1 | S2 | S3 | |
| A1 | 80 | 60 | 110 | |
| A2 | 40 | 0 | 50 | |
| А3 | 100 | -20 | 70 | |

D) Draw a decision tree for the following pay-off table & find best decision:

| Acts | States of nature | | |
|-------------|------------------|------|------|
| | S1 | S2 | S3 |
| A1 | 1800 | 2000 | 1100 |
| A2 | 1650 | 2200 | 1500 |
| Probability | 0.3 | 0.5 | 0.2 |

E) The following is demand distribution of a certain product:

| Number of units | 10 | 11 | 12 |
|-----------------|------|-----|------|
| demanded | | | |
| Probability | 0.35 | 0.4 | 0.25 |

The product is sold at ₹ 80 per unit with cost ₹ 60 per unit. Prepare a pay-off table & decide the best decision. The unit not sold is wasted.

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