

# FYBCOM-I-ADD-JAN-2023-AFM

Time : 03 hrs

Max. Marks. 100

- Note :
- 1) **ALL** questions are **COMPULSORY**.
  - 2) Figures to the right indicate full marks.
  - 3) Working Notes Should form the part of your Answer.
  - 4) Use of Simple Calculator is allowed.

- Q.1 A) **Fill in the blanks choosing the correct Alternatives from the given options: (ANY TEN)** [10]
- 1) Return outwards in Trial Balance are deducted from \_\_\_\_\_.  
A) Purchases                      B) Sales  
C) Stock                              D) Capital
  - 2) \_\_\_\_\_ Assets cannot be converted into cash.  
A) Fixed Assets                      B) Current Assets  
C) Fictitious Assets                  D) Tangible Assets
  - 3) In Hire purchase the ownership of goods is transferred to the buyer only when \_\_\_\_\_ is paid.  
A) Down payment                      B) Interest  
C) Principal                              D) Last Installment
  - 4) In Departmental accounts, salary is allocated based on \_\_\_\_\_ each department.  
A) Sales turnover                      B) Number of Machines  
C) Number of Hours                      D) Number of Employees
  - 5) \_\_\_\_\_ Expenditures are charged to Profit & Loss Account.  
A) Capital                                  B) Revenue  
C) Deferred Revenue                      D) Fixed
  - 6) Factors to be considered while selecting accounting policies \_\_\_\_\_.  
A) Consistency                          B) Prudence  
C) Dual aspect                              D) Cost
  - 7) Under perpetual inventory system Inventory is valued \_\_\_\_\_.  
A) Continuously                          B) Periodically  
C) Annually                                  D) Quarterly
  - 8) \_\_\_\_\_ is not covered by AS-9.  
A) Lease Rent                              B) Dividend  
C) Interest                                  D) Royalties
  - 9) The concept applicable for stock valuation is \_\_\_\_\_.  
A) Consistency                          B) Realization  
C) Conservatism                              D) Cost
  - 10) In Hire Purchase, depreciation on asset should be charged at a certain rate on the \_\_\_\_\_ of the asset acquired.  
A) Hire Purchase Price                      B) Written down value  
C) Installment                                  D) Cash Price
  - 11) \_\_\_\_\_ Reserve is deducted from closing stock in the balance sheet under departmental accounts.  
A) General                                  B) Stock  
C) Capital                                      D) Revenue

(P.T.O)

## FYBCOM-I-ADD-JAN-2023-AFM

- 12) Cost of goods sold is equal to \_\_\_\_\_.
- Opening stock + Purchases – Direct Expenses – Closing Stock
  - Opening stock + Purchases + Direct Expenses – Closing Stock
  - Opening stock + Purchases + Direct Expenses + Closing Stock
  - Opening stock – Purchases + Direct Expenses – Closing Stock

**B) State Whether the following statements are True or False. (ANY TEN)**

[10]

- Manufacturing Account always shows a debit balance.
- Loss by fire in a departmental is charged to General P & L A/c in Departmental Accounting.
- Down payment Includes Interest.
- Disclosure of accounting policy cannot be a remedy for a wrong or improper accounting policy.
- Capital Expenditure is non-recurring in nature.
- Revenue from sale of goods is recognized, when the seller has received the payment for the goods from buyer.
- As per AS-9, revenue from sales is recognized only when the goods are Invoiced and delivered.
- Accounting standard 2 applies to agricultural products.
- Gross profit is the excess of sales over the cost of goods sold.
- In departmental accounts loss by fire is treated as general expenditure and engaged to General Profit & Loss account.
- Revenue expenditure includes cost of improving the storage capacity of a computer by changing hard disk.
- When Departmental X transfers goods to Department Y, Department X A/c is debited and Department Y A/c is credited.

- Q.2 A) From the following particulars, prepare stock register by FIFO as well as Weighted Average Method.

[20]

Date	Transaction	Units	Rate per Units (Rs)
01/10/2022	Opening Stock	14,000	3.50
03/10/2022	Purchases	24,000	3.80
07/10/2022	Sales	26,000	4.20
11/10/2022	Purchases	30,000	3.90
15/10/2022	Sales	34,000	4.30
19/10/2022	Purchases	32,000	4.05
23/10/2022	Sales	27,000	4.40
27/10/2022	Purchases	37,000	4.10
31/10/2022	Sales	31,200	4.55

On 10/10/2022, the stock verifier reported that there was a shortage of 1000 Units.

Out of sales on 23/10/2022, a customer returned 1,500 Units on 26/10/2022.

**OR**

- B) Mrs. Prabha Purchased a Machinery from Vadilal Ltd. On hire purchase system on 1<sup>st</sup> April 2019. The cash price of the machine was Rs 9,00,000. An initial payment of Rs 3,00,000 was made on the date of purchase. The balance was paid in Three Annual Instalments of Rs 2,00,000 plus Interest @ 15% p.a on outstanding principal amount. Depreciation is charged @ 10% p.a on written down value. Mrs. Prabha closes her books on 31<sup>st</sup> March every year. You are required to draw Machinery A/c, Vadilal Ltd A/c, Interest A/c, Depreciation A/c in the books of Mrs. Prabha For the Year 2019-20, 2020-21, 2021-22 using Full Cash Price Method.

## FYBCOM-I-ADD-JAN-2023-AFM

- Q.3 A) State whether the following Expenditures or Receipts are Capital or Revenue. Give Reasons for your answers. [20]
- 1) Received Rs 3,00,000 on issue of 10% Debentures.
  - 2) Received Rs 2,000 as dividend on shares.
  - 3) Spent Rs 30,000 for white washing of Factory building.
  - 4) Wages of Rs 20,000 paid for erection of Machinery.
  - 5) Premium of Rs 35,000 was received on issue of 8 % Preference shares.
  - 6) A second hand car Purchased for Rs 3,00,000.
  - 7) Paid fees Rs 10,000 to the Association for Membership.
  - 8) Sold Government Securities held as Investment for Rs 15,00,000.
  - 9) Paid Rs 1,00,000 as Custom Duty on Plant Purchased from France.
  - 10) Paid subscription charges of Rs 8,000 for a trade Journal.

**OR**

- B) From the following information prepare Departmental Trading and Profit and Loss Account for the year ending 31<sup>st</sup> March, 2018 in the books of Ganesh Super Market: [20]

Particulars	Dept. A Rs	Dept. B Rs	Total Rs
Opening Stock	5,00,000	8,00,000	13,00,000
Purchase	20,00,000	16,00,000	36,00,000
Sales	45,00,000	30,00,000	75,00,000
Wages	3,00,000	2,00,000	5,00,000
Office Salaries			24,00,000
Discount Allowed			4,40,000
Discount Received			1,44,000
Rent Paid			32,000

**Additional Information:**

- 1) Stock in hand as on 31<sup>st</sup> March ,2018 – Department A Rs 17,00,000, Department B Rs 14,00,000.
- 2) Office staff appointed by Department A 10 persons and Department B 5 persons.
- 3) Area occupied by Dept. A 2,000 sq. ft. and Dept. B 1,200 sq. ft.
- 4) Depreciation on furniture was Rs 26,000 which was allocated in Dept. A and B equally.
- 5) Goods transferred from Dept. A to Dept. B was Rs 8,00,000

- Q.4 A) From the following Trial Balance as on 31<sup>st</sup> March, 2017 of Mr. Gautam. prepare Manufacturing Account, Trading Account and Profit and Loss Account for the year ended 31<sup>st</sup> March, 2017 and Balance sheet as on that date: [20]

**Trial Balance of as on 31<sup>st</sup> March, 2017**

Particulars	Dr. Rs	Cr. Rs
Drawing	30,000	
Sales		6,56,000
Opening Stock- Raw Material	32,000	
Opening Stock- Work in Progress	6,000	
Opening Stock- Finished Goods	22,000	
Production Royalty	20,000	
Factory Rent	24,000	
Factory Power and Fuel	26,000	
Office Salaries	1,08,000	
Direct Wages	1,16,000	
Purchase of Raw Materials	2,46,000	
Cash at Bank	8,000	
Advertisement	36,000	
Interest	16,000	
Discount Allowed	12,000	

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**FYBCOM-I-ADD-JAN-2023-AFM**

Creditors		60,000
Bad Debts	8,000	
Provision for Bad Debts		4,000
Sundry Debtors	1,10,000	
Bills Payable		20,000
Capital		2,80,000
Machinery	2,00,000	
<b>Total</b>	<b>10,20,000</b>	<b>10,20,000</b>

**Following information is further provided to you:**

- 1) Closing stock as on 31<sup>st</sup> March, 2017 was Raw Material Rs 36,000, Work-in-Progress Rs 14,000 Finished Goods Rs 26,000
- 2) Depreciate Machinery @ 10% p.a.
- 3) During the year finished goods were withdrawn by proprietor costing Rs 16,000 for Personal use, the same remained unrecorded.
- 4) Provide reserve for doubtful debts @ 10% on debtors.
- 5) Outstanding advertisement expenses is Rs 4,000.

**OR**

- B) Gupta Department store has three Departments X, Y and Z. The following data regarding the three departments are given: [20]

Particulars	Dept. X Rs	Dept Y Rs	Dept Z Rs
Opening Stock	20,000	10,000	30,000
Purchases	55,000	27,500	1,10,000
Sales	2,00,000	1,50,000	1,00,000
Closing Stock	12,000	6,000	1,20,000

**The following expenses are also incurred:**

- |                             |        |
|-----------------------------|--------|
| 1) General Expenses         | 12,000 |
| 2) Rent, Rates and Taxes    | 9,000  |
| 3) Commission Received      | 4,500  |
| 4) Discount Allowed         | 13,500 |
| 5) Sales Promotion Expenses | 18,000 |
| 6) Salesman's Salary        | 4,500  |
| 7) Discount Received        | 7,000  |

Goods worth Rs 5,000 were transferred from Department X to Department Y. Goods worth Rs 2,500 were Transferred from Department Z to Y.

- 1) Allocate General Expenses and Rent, Rates and Taxes equally between the three departments.
- 2) Commission received is divided in the ratio of 3:2:1 between Department X, Y and Z respectively. Prepare Departmental Trading and Profit and Loss Account allocating other expenses on appropriate basic.

- Q.5 A) **Answer the following:**

- 1) Explain the provisions of AS 9: Revenue Recognition. [10]
- 2) Explain in brief the main features of Accounting for Hire Purchase and contents of the Hire Purchase Agreement. [10]

**OR**

- B) **Write shorts notes of the following: (ANY FOUR)** [20]

- 1) Advantages of FIFO Method of Stock Valuation
- 2) Manufacturing Account
- 3) Capital and Revenue
- 4) Accounting for Hire Purchase Transaction
- 5) Cost of Production
- 6) Importance of Accounting Standards

- Note :
- 1) **ALL** questions are **COMPULSORY**.
  - 2) Figures to the right indicate full marks.
  - 3) All questions have internal choice.
  - 4) Use of simple calculator is allowed.
  - 5) Draw neat diagrams wherever necessary.

- Q.1 A) **Select the best answer from the given options and rewrite the statement:(ANY TEN)** [10]
- i) \_\_\_\_\_ is the economics of business or managerial decisions.
 

A) Macroeconomics	B) Indian economy
C) Microeconomics	D) Business economics
  
  - ii) \_\_\_\_\_ cover topics such as concepts, methods of estimating costs etc.
 

A) Production analysis	B) Supply analysis
C) Cost analysis	D) Demand analysis
  
  - iii) The market clearing price is also called the \_\_\_\_\_.
 

A) Current price	B) Equilibrium price
C) Prevailing price	D) Shadow price
  
  - iv) The market demand curve slopes \_\_\_\_\_ from left to right.
 

A) Downward	B) Upward
C) Horizontal	D) Vertical
  
  - v) A perfectly competitive firm faces a \_\_\_\_\_ demand curve for its product.
 

A) Upward Sloping	B) Downward Sloping
C) Vertical straight line	D) Horizontal straight line
  
  - vi) Under oligopoly the firm faces a \_\_\_\_\_ demand curve.
 

A) Horizontal	B) Vertical
C) Kinked	D) Upward sloping
  
  - vii) Which of the following can be expected to have a flatter demand curve?
 

A) Petrol	B) Salt
C) Plasma TV	D) CNG
  
  - viii) If the Elasticity of demand = 1 then MR is \_\_\_\_\_.
 

A) Positive	B) Zero
C) Negative	D) $\infty$
  
  - ix) In the short run:
 

A) All factors are variable	B) There exists some fixed factors only
C) Output varies with variable factors	D) There is plenty of time for change of factors
  
  - x) The point of tangency between iso – cost line and iso – quant is the point of \_\_\_\_\_.
 

A) General equilibrium	B) Consumer’s equilibrium
C) Producer’s equilibrium	D) Partial equilibrium

## FYBCOM-I-ADD-JAN-2023-BUS.ECO-I

- xi) When average cost is maximum:  
 A) Marginal cost is minimum                      B) Marginal cost is also maximum  
 C) Marginal cost is equal to Average cost      D) Total cost is minimum
- xii) Division of labour results in:  
 A) Rising costs                      B) Diminishing returns  
 C) Labour economy                D) Economies of scale

- Q.1      B) **Write whether the following statements are TRUE or FALSE. (ANY TEN)**                      [10]
- i) An exogeneous variable is within an economic model.  
 ii) The market supply curve slopes upwards to the right.  
 iii) Demand function explains the functional relationship between price and demand.  
 iv) The concept of elasticity of demand has no useful application.  
 v) Demand forecasting is always conditional.  
 vi) Statistical method is called quantitative method.  
 vii) When the average product is maximum, marginal product is greater than average product.  
 viii) The ISO – quants are concave to the origin.  
 ix) AFC never becomes zero.  
 x) TVC is inverse – S shaped curve.  
 xi) Learning effect is different from the scale of economy effect.  
 xii) When  $TC > TR$  it indicates profit zone.

- Q.2      **Attempt A and B or C and D:**
- A) What is the importance of Business Economics?                      [07]  
 B) Explain the principles and tools used in business economics.                      [08]
- OR**
- C) Given the following data:                      [07]
- |                     |   |   |   |   |   |
|---------------------|---|---|---|---|---|
| Quantity (In Units) | 1 | 2 | 3 | 4 | 5 |
| Price (In ₹)        | 5 | 5 | 5 | 5 | 5 |
- i) Identify the market structure.  
 ii) Calculate AR, MR and TR.  
 iii) Explain the relationship between AR, MR and TR.
- D) Using diagrams explain changes in market equilibrium due to changes in demand.                      [08]

- Q.3      **Attempt A and B or C and D:**
- A) Explain the demand function with the help of various determinants of demand.                      [07]  
 B) The quantity demand for a commodity increases from 16000 Units to 20,000 Units due to increase in advertisement expenditure from ₹.12000/- to ₹.24000/- find out promotional elasticity of demand.                      [08]
- OR**
- C) Discuss the survey methods of demand forecasting.                      [07]  
 D) The annual sales of X.Y.Z. company are as follows:                      [08]
- |                       |      |      |      |      |      |      |
|-----------------------|------|------|------|------|------|------|
| Year                  | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 |
| Sales (in '000 Units) | 3    | 4    | 6    | 8    | 15   | 14   |
- Estimate sales for the year 2023 using OLS method.

- Q.4      **Attempt A and B or C and D:**
- A) What are the properties of ISO – Quants?                      [07]  
 B) Discuss the least cost factor combination with the help of suitable diagrams.                      [08]
- OR**

- C) Explain the law of returns to scale. [07]  
 D) Distinction between short run and long run production function. [08]

Q.5

**Attempt A and B or C and D:**

- A) Distinguish between: [07]  
 i) Fixed Cost and Variable Cost.  
 ii) Social Cost and Private Cost.

- B) Calculate TC, AFC, AVC, AC and MC. [08]

Output (Q)	0	1	2	3	4	5	6
TVC	0	30	55	75	105	155	225
TFC	10	10	10	10	10	10	10

**OR**

- C) Discuss the technique of Break-even Analysis with the help of suitable diagrams. [07]  
 D) If Price = ₹ 7, AVC = ₹ 5 and TFC = ₹ 40,000. [08]  
 i) What is the break-even quantity?  
 ii) What happens to the break-even quantity when prices increases to ₹ 9, AVC and TFC remaining the same.

Q.6

- A) Discuss the nature of demand curves under different markets. [10]  
 B) Derive the LAC curve using the short run average cost curves of a firm. [10]

**OR**

Q.6

**Write short notes on: (ANY FOUR)**

- A) Incremental and marginal concepts [20]  
 B) Opportunity cost principle  
 C) Marginal Rate of Technical Substitution (MRTS)  
 D) Relationship between Average Cost and Marginal Cost  
 E) Economies of scope  
 F) Learning curve

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## FYBCOM-I-ADD-JAN-2023-B.C.

Time : 03 hrs

Max. Marks. 100

- Note : 1) **ALL** questions are **COMPULSORY**.  
2) Figures to the right indicate full marks.

- Q.1 A) **Explain the following terms in two to three sentences: (ANY FIVE)** [10]
- 1) Feedback
  - 2) Kinesics
  - 3) Encoding
  - 4) Head Address
  - 5) Moodle
  - 6) E-Mail
  - 7) Horizontal Communication
  - 8) Full Block Format
- Q.1 B) **State whether the following statements are TRUE or FALSE:** [05]
- 1) Blogs are not objective.
  - 2) Sharing of confidential document of the company is ethically right.
  - 3) Semi Block Format is very heavy on the left side.
  - 4) Grapevine is a kind of vertical communication.
  - 5) Under communication is the problem of downward communication.
- Q.1 C) **Fill in the blanks choosing the best alternative from the ones given below:** [05]
- 1) Visual communication happens through\_\_\_\_\_.  
A) Sound                      B) Pictures  
C) Language                  D) Music
  - 2) Notice boards, circulars and bulletins are vehicles of\_\_\_\_\_communication.  
A) Upward                      B) Downward  
C) Horizontal                  D) Grapevine
  - 3) \_\_\_\_\_is based on the trust that the listener has of the speaker.  
A) Fear                          B) Abstracting  
C) Closed mind                  D) Halo effect
  - 4) \_\_\_\_\_transmits messages via computers connected on network.  
A) E-mail                        B) Fax  
C) Internet                        D) World wide web
  - 5) \_\_\_\_\_gives legal validity to a letter.  
A) Inside Address              B) Enclosure  
C) Signature                      D) Subject line
- Q.2 **Write short notes on: (ANY FOUR)** [20]
- 1) Process of Communication
  - 2) Disadvantages of Written Communication
  - 3) Upward Communication
  - 4) Grapevine Communication
  - 5) Advantages of social media
  - 6) Proxemics

(P.T.O)



## FYBCOM-I-ADD-JAN-2023-B.C.

- Q.3 **Answer ANY TWO of the following:** [20]
- A) Discuss in detail the various Psychological barriers to communication.
- B) What is Listening? Explain the various steps to be taken care of in becoming a good listener.
- C) Explain in detail Corporate Social Responsibility, bringing out the ways in which Business Enterprises can practice CSR.
- Q.4 **Draft an application letter in response to the following advertisement:** [10]
- “A Private limited company urgently requires a Senior Accountant with a minimum of four years' experience. Apply with Resume within ten days to BOX NO-1236, The Times of India, Mumbai”.
- Q.5 **Draft the following letters: (ANY FOUR)** [20]
- A) After your graduation, you wish to enrol for an MBA in Finance at Kings University, UK. Draft the Statement of Purpose.
- B) An employee of your organisation has been selected for an overseas appointment at a well known software company. He seeks a letter of recommendation from you. As a team manager, draft the letter of recommendation.
- C) You have been selected for the post of Junior Accountant by Rajan and Sons Ltd. Write to them accepting the offer.
- D) John Varghese has decided to resign from his post of accountant at Growth Financial Services to seek a better job. Write his letter of Resignation.
- C) Your newly recruited employee has proved his marketing skill by showing an increase of 10% profit for your cosmetic company. Draft a letter of appreciation for the employee.
- Q.6 A) **Write a paragraph not exceeding 150 words on ANY ONE of the following topics:** [05]
- 1) A recent memorable family picnic
- 2) My Ambition
- B) **Read the following situation carefully and answer the questions given below:** [05]
- Inspite of appointing Qualified professionals, a jewellery firm in Mumbai was surprised to know that the sales were decreasing and there were many artisans' issues. However, a rival firm there had employed local artisans and was doing better. After a detailed investigation it was realized that the artisans were hesitant to approach the English speaking professionals. Also their orders were not understood.
- i) Identify and explain the barrier in the given situation.
- ii) Discuss some means to overcome the barrier.

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# FYBCOM-I-ADD-JAN-23-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 guided by\_\_\_\_\_goals.  
A) Personal                      B) Private  
C) Socioeconomic              D) International
  - 2) \_\_\_\_\_promotes liberalisation and globalisation.  
A) Public Sector              B) Co-operative Sector  
C) NGOs                      D) Private Sector
  - 3) Warehousing creates\_\_\_\_\_utility.  
A) Place                      B) Process  
C) Product                      D) Proxy
  - 4) Global ban on trade with Russia is an impact of\_\_\_\_\_environment.  
A) Political                      B) Cultural  
C) International              D) Social
  - 5) \_\_\_\_\_provides trained workforce.  
A) Educational environment    B) Political environment  
C) Social environment          D) Economic environment
  - 6) Feasibility study helps reduce\_\_\_\_\_.  
A) Profits                      B) Losses  
C) Tax                          D) Expenses
  - 7) Market feasibility includes study of\_\_\_\_\_.  
A) Competition              B) Capital  
C) ROI                          D) Taxes
  - 8) Acts of charity by corporate sector is\_\_\_\_\_objective.  
A) Economic                      B) Human  
C) Social                      D) Commercial
  - 9) \_\_\_\_\_is an aid to trade.  
A) Insurance                      B) Agriculture  
C) Hiring                      D) Manufacturing
  - 10) Traditional businesses were generally\_\_\_\_\_business.  
A) Family                      B) Proprietorship  
C) Professional              D) Diversified
  - 11) Business is regulated by\_\_\_\_\_.  
A) Consumers                      B) Government  
C) Wholesalers                  D) Retailers

(P.T.O)

## FYBCOM-I-ADD-JAN-23-COMMERCE-I

12) \_\_\_\_\_ is a Trade Bloc.

- A) WTO
- B) SAARC
- C) UNO
- D) UNDP

B) **State TRUE or FALSE for the following statements: (ANY TEN)**

[10]

- 1) Industry creates form utility.
- 2) Agriculture is a primary industry.
- 3) Extractive industry is related to natural resources.
- 4) Survival of business is an organic objective.
- 5) Licencing is compulsory for all industries.
- 6) Providing fair wages is a human objective.
- 7) The main social objective of business is profit.
- 8) The term 'intrapreneur' was introduced by Gifford Pinchot.
- 9) SIDCO provides assistance to small industries.
- 10) DIC's provide special training to rural(business) women.
- 11) Intrapreneurs and Entrepreneur are synonymous.
- 12) Women entrepreneurs dominate Indian industry.

Q.2

**Answer ANY TWO of the following:**

[15]

- A) Give the benefits and limitations of Globalisation.
- B) Discuss the features of business.
- C) What are the essentials of a turn around strategy?

Q.3

**Answer ANY TWO of the following:**

[15]

- A) What are the components of internal environment?
- B) Give the features of educational environment.
- C) Explain the importance of Trade Blocs.

Q.4

**Answer ANY TWO of the following:**

[15]

- A) Discuss the process of setting up of business.
- B) Note on feasibility study.
- C) What factors are considered before selecting the location of business.

Q.5

**Answer ANY TWO of the following:**

[15]

- A) Explain the features of entrepreneurship.
- B) Describe the competencies of an intrapreneur.
- C) Discuss the problems faced by women entrepreneurs.

Q.6

**Write Short Notes on: (ANY FOUR)**

[20]

- A) Threefold objectives
- B) Social objectives of business
- C) Privatisation
- D) Features of an intrapreneur
- E) Project Planning
- F) Objectives of WTO

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Seat No. \_\_\_\_\_

\_\_\_\_\_  
Supervisor's Signature

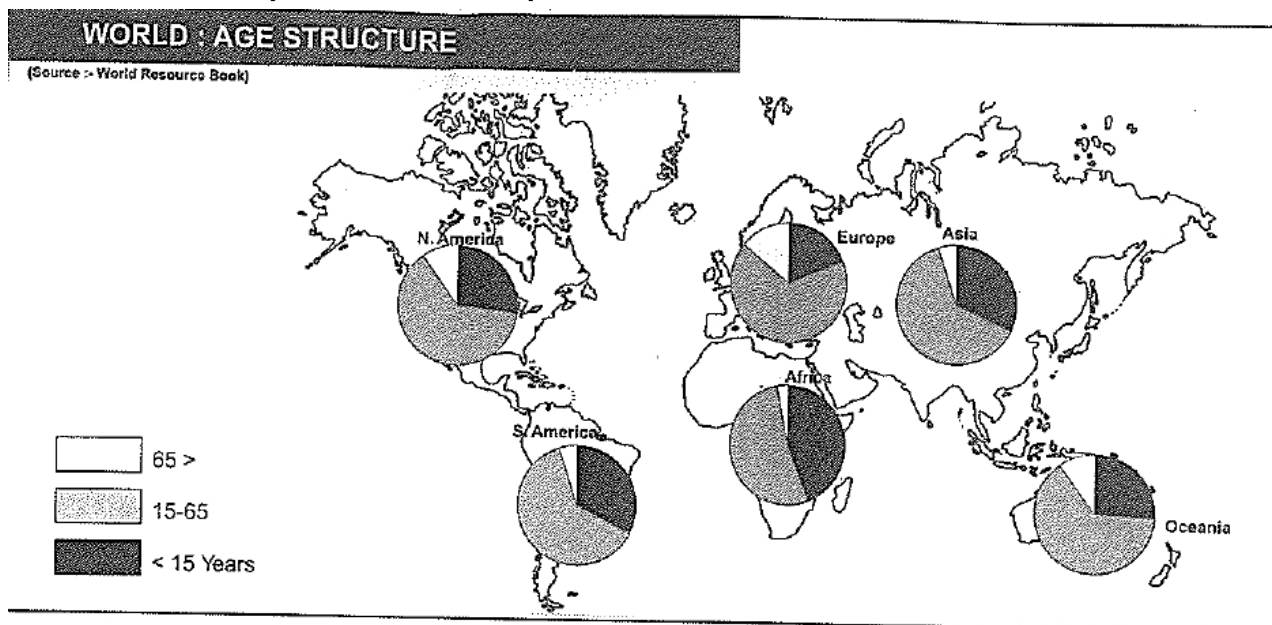
**World Map**





- Note :
- 1) ALL questions are **COMPULSORY**.
  - 2) Figures to the right indicate full marks.
  - 3) Draw maps wherever necessary.
  - 4) Map stencils are permitted.
  - 5) Attach the world map to the main answersheet.

Q.1 A) Read the world map and answer the questions:



- 1) What is the theme of the map? [01]
  - 2) Name the cartographic technique used to represent the data. [01]
  - 3) Name the continent which has the highest percentage of population <15 years and the continent having the lowest percentage of population <15 years. [02]
  - 4) What is the percentage of population between 15-65 years in Europe and North America. [02]
  - 5) What is the percentage of population >65 years in Oceania and Asia. [02]
  - 6) What is the percentage of population <15 years in South America and Africa. [02]
- B) On the outline map of the world mark and name the following: [10]
- 1) A mountain range in North America.
  - 2) A tropical forest.
  - 3) A biodiversity hotspot.
  - 4) A densely populated country.
  - 5) An insular country.
  - 6) A coal producing region.
  - 7) An area subjected to acid rain.
  - 8) A producer of dairy products.
  - 9) A water surplus country.
  - 10) A gulf in the Middle – East experiencing oil spill.

- Q.2 **Answer ANY TWO from the following:** [20]
- A) Discuss the biotic components of the Environment.
  - B) Structure of the Environment - Explain with examples.
  - C) Discuss with examples the concept of Natural Environment.

**FYBCOM-I-ADD-JAN-2023-E.V.S.**

- Q.3 **Answer ANY TWO from the following:** [20]
- A) Define a resource and explain the various types of resources.
  - B) Describe the factors influencing resource utilisation.
  - C) What is conservation and explain the need for conservation of resources.
- Q.4 **Answer ANY TWO from the following:** [20]
- A) Briefly explain the Demographic transition model.
  - B) Explain in detail pattern of population growth and associated problems.
  - C) What are the different causes of population explosion in India?
- Q.5 **Answer ANY TWO from the following:** [20]
- A) State the problems arising due to migration in urban areas.
  - B) Write a short note on Smart cities.
  - C) Explain the concept of urbanisation and causes of urbanisation.

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## FYBCOM-I-ADD-JAN-2023-F.C.

Time : 02 hrs 30 min

Max. Marks. 75

- Note : 1) **ALL** questions are **COMPULSORY**.  
2) Figures to the right indicate full marks.

- Q.1 A) **Choose the right alternative: (ANY EIGHT)** [08]
- 1) \_\_\_\_\_ functions at village level.  
A) Gram Panchayat      B) Zilla Parishad  
C) Municipal Corporation      D) Nagar Parishad
  - 2) The holy book in the religion of Sikhism is \_\_\_\_\_.  
A) Bhagvad Gita      B) Bible  
C) Guru Granth Sahib      D) Zend Avesta
  - 3) The word \_\_\_\_\_ envisages the role of welfare state.  
A) Secular      B) Sovereign  
C) Socialist      D) Democratic
  - 4) Telugu belongs to \_\_\_\_\_ language family.  
A) Indo-Aryan      B) Austric  
C) Dravidian      D) Sino-Tibetan
  - 5) \_\_\_\_\_ state in India has the lowest gender ratio.  
A) Kerala      B) Haryana  
C) Uttar Pradesh      D) Tamil Nadu
  - 6) Border disputes lead to \_\_\_\_\_.  
A) Regionalism      B) Communalism  
C) Casteism      D) Linguism
  - 7) The urban areas in India are looked after by the \_\_\_\_\_.  
A) Central Government      B) State Government  
C) Municipalities      D) Panchayat Raj
  - 8) \_\_\_\_\_ has the final power to interpret the constitution.  
A) Executive      B) Legislature  
C) Judiciary      D) Citizens
  - 9) \_\_\_\_\_ is the solution to communalism.  
A) Capitalism      B) Patriotism  
C) Regionalism      D) Linguism
  - 10) The main reason for female foeticide is \_\_\_\_\_.  
A) Preference for male child      B) Pollution  
C) Globalization      D) Untouchability
- B) **State whether the following statements are TRUE or FALSE: (ANY SEVEN)** [07]
- 1) India officially follows a three language policy.
  - 2) The holy book of Zoroastrians is Zend Avesta.
- (P.T.O)**

## FYBCOM-I-ADD-JAN-2023-F.C.

- 3) Mayor is the first citizen of the city.
- 4) Indian constitution is one of the longest constitution in the world.
- 5) Trafficking of women is a social violence against women.
- 6) Regionalism arises out of religious fundamentalism.
- 7) Literacy rate is higher in rural areas as compared to urban areas.
- 8) The school dropout rate is higher in case of boys as compared to girls.
- 9) Caste system promotes social progress and modernization.
- 10) The urban areas in India are looked after by the Municipalities.

Q.2 A) Explain the pluralistic nature of Indian society with reference to its religious and linguistic diversity. [15]

**OR**

B) Define violence. What are the causes and effects of violence against women? [15]

Q.3 A) Define Casteism. Explain the inequalities generated due to caste system in India. [15]

**OR**

B) Elaborate the concept and causes of regionalism and enlist measures to overcome the problem of regionalism. [15]

Q.4 A) Explain in detail the preamble to the constitution of India. [15]

**OR**

B) Explain – *Tolerance, Peace and Communal harmony*. [15]

Q.5 A) Write a detailed note on Urban Local Self Government in India. [15]

**OR**

B) **Write short notes on ANY THREE of the following:** [15]

- 1) Regional variations in India
- 2) Causes of Physical Disabilities
- 3) Linguism
- 4) Fundamental duties under the constitution
- 5) Challenge faced by Women in Politics

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# FYBCOM-I-ADD-JAN-2023-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) Graph Papers will be provided on request.  
5) All questions carry equal marks.

## SECTION-I

Q.1 **Attempt ANY FOUR of the following:** [20]

- A) Meenakshi sold 450 shares of a company at M.P. Rs.520 per share and paid 0.8% brokerage on the deal. Find the amount she received.
- B) Jimmy paid Rs. 72320 to purchase 180 shares of a Co. at Rs. 400 each. Find the brokerage percent.
- C) Calculate N.A.V. of a M.F. in the following case: Total no of units= 10000, Market value of Govt. Securities= Rs. 5 lakhs, Market value of corporate bonds= Rs. 10 lakhs, Other assets = Rs 50000, Liabilities of the fund= Rs. 80000, payable by the fund=Rs. 20000.
- D) Mr. Kale invested Rs. 50000 in a M.F. when N.A.V was Rs. 125.6 and entry load was 2.5%. Find the number of units purchased. Also find the current value of his investment if current N.A.V. is Rs. 140.4
- E) Koyal invested Rs 25000 in a MF @ NAV Rs 14.68. Afterward she received a dividend of Rs. 3 per unit. After getting the dividend she sold all the units @ NAV Rs. 15.35. Find dividend amount, total profit if there is no entry or exit load.

Q.2 **Attempt ANY FOUR of the following:** [20]

- A) In how many ways 5 prizes are to be given to 5 students when (i) each student is eligible for more than one prize. (ii) each student is eligible for only one prize.
- B) Six persons including a couple is arranged for a photograph in a row such that the couple should be always together. Find number of such arrangements.
- C) In a small gathering each person had shaken hand with the everyone else only once. If in all 45 handshakes were exchanged, then how many persons were present in the gathering?
- D) A carpenter has 90, 80 and 50 running feet of teak, plywood, and rosewood respectively. The product A requires 2, 1 and 1 running feet and product B requires 1, 2 and 1 running feet of teak, plywood, and rosewood respectively. If A would sell for Rs.48 per unit and B would sell for 40 per unit, how much of each should he make and sell to obtain the maximum income out of his stock of wood? Formulate the Linear Programming Problem.
- E) Solve the following L.P.P. graphically,  
Maximize  $Z = 6x + 7y$   
Subject to  $2x+3y \leq 12$ ,  
 $2x + y \leq 8$ ,  
 $x \geq 0, y \geq 0$ .

## SECTION-II

Q.3 **Attempt ANY FOUR of the following:** [20]

- A) Calculate Arithmetic Mean and Mode for:

Marks	10-30	30-50	50-70	70-90	90-110	110-130
No of students	4	10	14	12	8	6

## FYBCOM-I-ADD-JAN-2023-MATHS & STATS

B) Draw less than ogive and locate median:

Age	20-35	35-50	50-65	65-80	80-90
Number of persons	20	18	32	18	12

C) Calculate combined mean & find which group is more consistent for the following.

	Group I	Group II
Number	400	600
Mean	450	500
Variance	100	144

D) Calculate 4<sup>th</sup> Decile (D4) & 72<sup>nd</sup> Percentile (P72) for the following data:

Class	20-25	25-30	30-35	35-40	40-45
Frequency	11	15	24	26	14

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

15, 21, 12, 25, 30, 28, 18

Q.4

**Attempt ANY FOUR of the following:**

[20]

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

(i) Impossible Event                      ii) Exhaustive events

B) Two cards are randomly selected from full pack. Hence find probability of getting (i) both are spade (ii) one king & one queen

C)  $P(A) = 0.6$ ,  $P(\bar{B}) = 0.5$  &  $P(A \cup B) = 0.75$  find  $P(\bar{A})$ ,  $P(A \cap B)$

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

X	1	2	3	4	5
P(X)	0.2	0.3	0.1	0.25	0.15

E) One ticket is drawn from a set of 25 tickets numbered from 1 to 25. Hence find probability that number on that ticket is divisible by 3 or 4.

Q.5

**Attempt ANY FOUR of the following:**

[20]

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

Acts	States of nature			
	S1	S2	S3	S4
A1	20	50	90	50
A2	40	110	160	60
A3	100	150	250	0

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

Acts	States of nature		
	S1	S2	S3
A1	80	60	110
A2	40	0	50
A3	100	-20	70
Probability	0.3	0.2	0.5

## FYBCOM-I-ADD-JAN-2023-MATHS & STATS

- C) Draw a decision tree for the following pay-off table & find best decision.

Acts	States of nature		
	S1	S2	S3
A1	180	200	110
A2	165	220	150
Probability	0.4	0.3	0.3

- D) The following is demand distribution of a certain product:

Number of units demanded	70	75	80
Probability	0.35	0.45	0.2

The product is sold at ₹ 12 per unit with cost ₹ 8 per unit. Prepare a pay-off table & decide the best decision. The unit not sold is wasted.

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

Acts	States of nature		
	S1	S2	S3
A1	25	85	95
A2	40	0	60
A3	65	30	55

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