

CODE:

Duration: 3 hours

Marks: 100

- Instructions :- (1) All questions are compulsory having internal Options.
(2) Figures to the right indicate full marks.
(3) Use of simple calculator is allowed.
(4) Working notes are forming part of answers

- Q:1 A) Choose the correct answer from the options given below (Any 10) 10
- 1) Which of the following item is not recorded on credit side of Debtors Account
 - a) Total Cash collected from debtors
 - b) Sales Returns
 - c) Discount allowed
 - d) Purchase Return
 - 2) To find out Net Credit sales, account is prepared
 - a) Debtors Account
 - b) Creditors Account
 - c) Bills Payable Account
 - d) Stock Account
 - 3) If Building (closing) Rs.100,000, Land (opening) Rs. 100,000, Creditors (opening) Rs.10,000 then opening capital
 - a) Rs. 190,000
 - b) Rs. 2,10,000
 - c) Rs. 90,000
 - d) Rs. 1,80,000
 - 4) Goods sent on approval is
 - a) Debited to Memorandum Trading Account
 - b) Credited to Memorandum Trading Account
 - c) Debited to P&L Account
 - d) Credited to P&L Account
 - 5) If there is average clause then
 - a) Amount of claim = (Policy Amount/stock on the date of fire) X Stock lost by fire
 - b) amount of claim = (Policy Amount + stock on the date of fire) X Stock lost by fire
 - c) amount of claim = (Policy Amount -stock on the date of fire) X Stock lost by fire
 - d) amount of claim = (Policy Amount/stock on the date of fire) + Stock lost by fire
 - 6) Opening stock is Rs. 63,000 which 20% above cost. What is correct value of Opening Stock
 - a) 25,400
 - b) 52,500
 - c) 25,500
 - d) 52,400
 - 7) What is the journal entry for following transaction in the book of consignor: Commission due to consignee
 - a) Bank A/C Dr.....To Commission A/C
 - b) Consignor's A/C Dr.....To Commission A/C
 - c) Consignment A/C Dr.....To Consignee' A/C
 - d) No Entry
 - 8) Consignee sends to consignor
 - a) Proforma Invoice
 - b) Purchase Account
 - c) Account Sales
 - d) Invoice
 - 9) Which of the following expenses incurred by consignor is included in value of closing stock
 - a) Carriage
 - b) Godown Rent
 - c) Discount
 - d) Bad Debt
 - 10) Stock Reserve in relation to Opening Stock appears
 - a) Debit side of Branch A/c
 - b) Credit side of Branch A/c
 - c) Both side Debit or Credit side of Branch Account
 - d) No Effect in Branch A/c

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- [illegible]

Q:1 B) State whether following statements are True or False (Any 10)

10

- 1) Trial balance is not obtained in Single Entry System.
- 2) Discount allowed is recorded on credit side of Debtors Account.
- 3) If closing capital is greater than opening capital, it denotes Profit, if there is no introduction of fresh capital.
- 4) Fire insurance Creates profit.
- 5) Salvage refers to Stock destroyed by fire.
- 6) Stock for the purpose of claim should be at market value.
- 7) The relationship between the consignor and consignee is that of Principal and Agent.
- 8) Proforma Invoice is prepared by the Consignor.
- 9) If no agreement regarding the responsibility of loss exists between consignor and consignee, the loss of goods resulting from accident, fire or theft etc. would be born by the consignor only.
- 10) Under the Debtors method, opening balance of Debtors is Credited to Branch A/c.
- 11) Closing stock with the consignee is shown in the balance sheet of Consignee.
- 12) If del-credere commission is allowed for bad debt, consignee will debit the bad debt amount to General P & L A/C.

Q:2 Answer (a) or (b) of the following:

20

- a) On 15th June 2022, the premises and stock of an Anuj was destroyed by fire but the accounting records were saved from which the following particulars are available:

Particulars	Rs.
Stock on 1.1.2021	1,47,000
Stock on 31.12.2021	1,63,800
Purchases for the year 2021	7,96,000
Sales for the year 2021	9,74,000
Purchases from 1.1.2022 to 15.6.2022	3,24,000
Sales from 1.1.2022 to 15.6.2022	4,62,400

The stock salvaged was Rs. 10,600. Show the amount of claim. Firm's accounting year ends on 31st December every year. Policy amount Rs. 1,10,000.

OR

CODE:

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- b) On 1st July, 2022, a fire destroyed the stock of a business Roy Traders. From the records which were saved, the following information was obtained:

	Rs.
Stock - on 1.4.2021	1,80,000
Stock - on 1.4.2022	2,20,000
Purchases - for year 2021-22	5,17,000
Purchases upto the date of fire	2,40,000
Sales - for year 2021-22	6,80,000
Sales - upto the date of fire	4,00,000
Manufacturing Expenses for the year 2021-22	84,000
Manufacturing Expenses upto the date of fire	?

In May 2022, goods valued at a cost price of Rs. 2000 were distributed as samples. Manufacturing expenses were normally found to be constant per month. The salvaged stock was estimated at Rs.28,000. Prepare a statement showing the amount of claim. Firm's accounting year ends on 31st March every year.

Q:3 Answer (a) or (b) of the following:

20

- a) Cube & Associates has a branch at Juhu. All the goods sent to the branch are invoiced to branch at 20% profit on sales. All expenses are reimbursed to the branch monthly, but petty expenses are incurred by the branch manager from branch cash balance. It is the custom of the branch to send all cash to the head office. Following are the details for the year ending on 31st March, 2023.

Particulars	Rs.
<u>Balances on 01-04-2022:</u>	
Opening stock (at Selling price)	45,000
Sundry debtors	27,000
Petty cash on hand	2,300
Machinery	6,000
Goods sent to branch (at invoice price)	2,40,000
Goods returned to head office (at invoice price)	3,000
Goods returned by debtors	1,500
Cash collection from debtors	95,000
Cash sales	1,50,000
Credit sales	90,000
Bad debts	150
<u>Cash sent by HO to branch for:</u>	
Advertisement	2,400
Salary	14,400
Petty expenses	1,500
Petty cash expenses incurred by Manager	1,200
Stock on 31-03-2023(at Selling price)	42,000

Depreciate branch Machinery @ 10% per annum.

Prepare 1) Branch Account in the books of Head Office 2) Branch Debtors Account for the year ended 31st March, 2023. (Follow Debtors method)

CODE:

Duration: 3 hours

Marks: 100

OR

- b) Rectangle Ltd. having Head Office at Mumbai and a branch at Malbar Hill invoices goods to its branch at 25% on sale price. The following information is furnished:

Particulars	(Rs.)
<u>Balances as on 01-04-2022</u>	
Branch stock at Invoice Price	10,000
Branch debtors	8,000
<u>Transactions during the Year</u>	
Goods sent to branch at invoice price	60,000
Goods returned by branch at invoice price	4,000
Cash sales	28,000
Credit sales	33,000
Sales returns	4,000
Cash discount allowed to debtors	2,000
Expenses paid by branch	3,000
Branch expenses paid by head office	3,600
Cash remitted to Head Office	1,36,350
<u>Balances as on 31-03-2023</u>	
Branch stock at Invoice Price	?
Branch debtors	7,000

You are required to prepare the following Ledger Accounts in the books of Head Office (stock and Debtor method):

1. Branch Stock A/c
2. Branch Stock Adjustment A/c
3. Branch Profit and Loss A/c
4. Branch Debtors A/c

Q:4 Answer (a) or (b) of the following:

20

- a) Blue Ltd of Mumbai consigned to Circle & Associates of Delhi 1,000 Mixers costing Rs.2, 500 per Mixers. They invoice goods at 20% above cost price. Blue Ltd paid Rs.15,000 for Insurance, Rs.35,000 for carriage.

Circle & Associates spends Rs. 25,000 on advertisement for consignment and accepted a bill for Rs.15,00,000. Blue Ltd discounted the bill @ 12% p.a. discount for one month.

Circle & Associates sent Account sales which shows as:

Cash sales of 600 Mixers @ Rs.3,000 each

Credit sales of 300 Mixers @ Rs.3,200 each

Circle & Associates remitted the balance due by bank draft after deducting his expenses and commission @10% on sales and Delcredre Commission @2%

Show Consignment Account and Circle & Associates Account in the books of Blue Ltd.

OR

CODE:

Duration: 3 hours

Marks: 100

- b) Mr. Vishal Traders keeps his book on single entry system. The analysis of the cash book for the year ended on 31st March 2023 is given below.

Receipts	Rs.	Payments	Rs.
Opening Bank Balance	19,600	Creditors	245,000
Debtors	3,36,000	Salaries	45,500
Cash Sales	77,000	Printing and Stationery	17,500
Capital brought during the year	42,000	Advertisement	10,500
Interest received	1400	Cash purchase	84,000
		Drawing	25,200
		Balance at Bank	48,300
	4,76,000		4,76,000

Details of other assets and liabilities are as follows:

Particulars	1/4/2022	31-03-2023
Sundry Debtors	101,500	123,200
Sundry Creditors	40,600	55,300
Building	52,500	52,500
Computer	8,400	8,400
Stock	27,300	39,900
Investments	35,000	35,000

Provide depreciation at 10% on Building and Computer. Prepare final account from the above information.

Q:5 Answer (a) or (b) of the following:

20

(a) Answer the following: (Ten marks each)

- I) Distinguish between Single Entry System and Double Entry System
 II) What is Consignment? State its Features and Advantages.

OR

(b) Answer the following: (any four) (Five marks each)

- I) Bills Receivable Account
 II) Account Sale
 III) Debtors Method of Branch Account
 IV) Computation of Claim in Fire Insurance
 V) Memorandum Trading Account
 VI) Fire Insurance

-----X-----X-----X-----

20/04/2024

FYB-Com (Sem-II) Additional Exam, April-2024.

Syb - Business Communication-II SEAT NO. _____

CODE:

Duration: 3 HOURS

Marks: 100

[8:00 To 11:00 AM]

Instructions:

1. All questions are compulsory.
2. Figures to the right indicate full marks.

- Q:1 A) Explain the following terms in 2-3 sentences (Any 5) 10
- | | |
|-------------------------|-------------------------|
| i) Selection Interview | iii) Video conferencing |
| ii) Notice of a Meeting | iv) House Journal |
| v) Grievance Interview | vi) Suggestion Box |
| vii) Standing Committee | viii) A Report |

- Q:1 B) Match the following: 5
- | Column-A | Column-B |
|------------------------------|---|
| i) Decision taken at Meeting | a) Technique for selection of a candidate |
| ii) Resignation | b) Formula for writing a sales letter |
| iii) Skype | c) Exit Interview |
| iv) Group Discussion | d) Resolution |
| v) AIDA Formula | e) Video-chat |

- Q:2 Write short notes on any four of the following: 20
- a) Online interview
 - b) Advantages of interview
 - c) Interviewer's preparation for conducting job interview
 - d) Role of Chairperson in a meeting
 - e) Conduct of a meeting
 - f) Disadvantages of meetings

- Q:3 Answer any two of the following questions 20
- a) Discuss the external measures of Public Relations of an organization.
 - b) What is valedictory address in a Conference? Discuss the post conference activities in details.
 - c) Explain the various types of committees functioning in an organization.

- Q:4 Write any four of the following letters: 20
- a) Write a letter of inquiry to Lovely Sports Apparels Limited enquiring about various types of men's sportswear that you wish to stock for your shop.
 - b) Simran Stores, Andheri has received a consignment of imitation jewellery from Rana Manufacturing Limited, Pune in a damaged condition. Write a complaint letter on their behalf.
 - c) Write a sales letter for the promotion of any one of the following
(i) A Smart Watch (ii) A New Brand of Toothpaste
 - d) Mr Hiran Seth from Mumbai had purchased a high-end fridge from Sonal Sales Ltd. The fridge was not working properly since the beginning and required frequent repairs. During the course of repair, there was further damage in cooling of the fridge. This was brought to the notice of the company. In spite of the repeated pleas by Mr Hiran to repair the machine to the best possible extent, the company did not take action. Write a letter to the Consumer Redressal Forum seeking justice.
 - e) Your grandmother's pension papers were to be processed three months earlier which is getting delayed with no response from her office. Write an RTI query to the office of the Accountant General.

CODE:

Duration: 3 HOURS

Marks: 100

- Q:5 a) Draft a business proposal to be made by 'Pro Nutritionals Limited' to be submitted to 'Stylish Fitness Centre' to start a sales counter for selling various nutritional products on their premises on a revenue sharing basis. 10

OR

b) Your Senior Manager finds that the transportation cars in the office are repeatedly found malfunctioning. There is a doubt related to mishandling of the cars. She formed a committee of staff to find the reasons behind it. Draft the committee's report and the covering letter for the same.

- Q:6 Draft the Notice and Agenda of the first Annual General Meeting of Aashish Footware Co. Limited. Also draft the following Resolutions: 10
- Appointment of a Banker
 - Issue of Prospectus

- Q:7 Summarize the following passage and suggest a suitable title: 05

Many parents and teachers encourage children to read books, believing it will help them develop their language skills, particularly in English, especially in India. However, I have come to realise that this approach does not always motivate children to read. No child starts reading at a young age with the goal of developing language skills. Although being a voracious reader can help improve one's language, the love of reading is not driven by the desire to improve linguistic skills.

Children enjoy being in the world of fantasy; they love to give shape to their imaginations. Reading stories and comic books helps nurture their imagination, and the act of choosing a book they enjoy brings them real joy. Unfortunately, some adults, including educators, fail to appreciate the value of imagination and prioritise knowledge instead. They recommend books that fail to capture children's interest and thus cause them to lose their interest in reading. While knowledge is crucial, as Albert Einstein famously said, "Imagination is more important than knowledge." Recently, a young girl read a passage from Roald Dahl's 'The Witches' and asked me a series of thought-provoking questions. If a brief passage can encourage creative thinking, some great novels and books of different genres can inspire curiosity in children and young students.

How can parents and teachers encourage reading habits in children? One effective way is to read and narrate stories to the children, which sets a contagious example and motivates them to read. Many passionate readers credit their reading habit to their parents, who showed a love for reading themselves. To motivate children to read, it is important to find out what types of stories they enjoy and then read those to them. Encouraging children to read on their own can also help foster a love of reading.

(298 Words) (Source: <https://www.thehindu.com>)

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FYBCOM
13/4/24

Sem II Additional
Commerce II

APRIL 2024
SEAT NO. _____

CODE: _____

Duration: 3 Hours

Marks: 100

Instructions :- (1) All Questions are Compulsory
(2) Figures to the right indicate marks.

Q:1 A) Choose the correct answer from the options given below (Any 10)

10

- 1) Services are highly _____.
 - a) Perishable
 - b) Durable
 - c) Expensive
 - d) Risky
- 2) Customer Satisfaction Surveys help in retaining _____.
 - a) Employees
 - b) Customers
 - c) Suppliers
 - d) Investors
- 3) Challenge of intangibility of service makes _____ difficult.
 - a) Demonstration
 - b) Physical Distribution
 - c) Inventory
 - d) Mass Production
- 4) _____ are the retail stores offering variety of services and merchandise organized in separate department and occupy prominent position in the heart of town.
 - a) Discount stores
 - b) Specialty Stores
 - c) General Stores
 - d) Departmental Stores
- 5) Automatic Vending Machines is a _____ retail format.
 - a) Traditional
 - b) Outdated
 - c) Store
 - d) Non-Store
- 6) In _____ floor plan, fixtures and at times walls are given a curved look.
 - a) Straight
 - b) Diagonal
 - c) Angular
 - d) Mixed
- 7) _____ Outsourcing is related to various tasks and processes about Intellectual Property Rights or Patents etc.
 - a) Back Office
 - b) Front Office
 - c) Technical Process
 - d) Legal Process
- 8) _____ indicates planning, implementing and controlling of physical flows of material from one place of origin to point of use to meet customers' needs.
 - a) Warehousing
 - b) Insurance
 - c) Logistics
 - d) Storage
- 9) Inventory Management is concerned with maintaining _____ level of inventory to need customer requirements.
 - a) Lower
 - b) Higher
 - c) Adequate
 - d) Maximum
- 10) E-Commerce permits _____ reach.
 - a) Local
 - b) Regional
 - c) National
 - d) Global
- 11) _____ is a limitation of E-Commerce
 - a) Convenience in Shopping
 - b) Global Reach
 - c) Lack of Personal Touch
 - d) Anytime Shopping
- 12) E-Commerce is a/an _____ activity.
 - a) Offline
 - b) Organized
 - c) Disorganized
 - d) Irregular

CODE:

Duration: 3 Hours

Marks: 100

- Q:1 B) State whether following statements are True or False (Any 10)** 10
- 1) Services are separable from the person delivering them
 - 2) Different customers possess different zone of tolerance.
 - 3) Professional service providers make serious efforts in recruiting, training, placement, appraisal and motivation of employees
 - 4) Organized retail outlets are mainly traditional retail outlets.
 - 5) India has approved 25 % FDI in single brand retail.
 - 6) In franchising agreement, the franchisor gets royalty from the franchisee.
 - 7) BPO enables a business to focus on core activities.
 - 8) Debit Card is easier to operate than the Credit Card.
 - 9) ERP relies on frequent updates and is not real time.
 - 10) Logistics facilitates Inventory Management.
 - 11) Internet banking gives restricted banking hours.
 - 12) Logistics in India suffers from infrastructural bottlenecks
- Q:2 Answer Any Two of the following** 15
- a) Define term 'Services'. What are the characteristics of Services?
 - b) Describe various factors that a service provider must consider in pricing of services?
 - c) Discuss strategies for managing capacity and demand of services.
- Q:3 Answer Any Two of the following** 15
- a) What are the survival strategies for unorganized retailing?
 - b) Discuss the guidelines for store planning in context with store design and layout.
 - c) Describe challenges to retail sector in India.
- Q:4 Answer Any Two of the following** 15
- a) Explain the concept of BPO. Enlist numerous advantages of BPO.
 - b) Elaborate an impact of FDI on insurance sector in India.
 - c) Define term 'Logistics'. What are different elements of Logistics.
- Q:5 Answer Any Two Any Four of the following** 15
- a) What do you mean by term 'E-Commerce'? Discuss the advantages of e-commerce to marketers.
 - b) Elaborate on the benefits of B2B transactions.
 - c) Discuss various challenges faced by Indian firms in transition to e-commerce.
- Q:6 Write short notes on Any Four of the following** 20
- a) Process of service delivery.
 - b) Advantages of Franchising to Franchisee.
 - c) Disadvantages of Credit Cards.
 - d) Activities involved in C2C process.
 - e) Advantages of online marketing research.
 - f) Types of service expectations.
- X-----X-----X-----

CODE:**Duration: 3 hours****Marks: 100**

*Instructions :- (1) All questions are compulsory
 (2) Figures to the right indicate full marks.
 (3) Draw neat diagrams and figures wherever applicable
 (4) Attach the Map supplement to the main answer book.*

Q:1 A) Mark and Name the following in the outline map of Mumbai provided to you

10

- 1) A place subject to Marine Erosion
- 2) A sinking area
- 3) An area of sewage & effluent discharge
- 4) A National Park
- 5) An area suffering from air pollution due to road transport
- 6) An area having the problem of air pollution due to fisheries
- 7) An area having noise pollution due to Industrial Workshops
- 8) A major slum area
- 9) An area of Archaeological and Historical Importance
- 10) A Beach Resort

Q:1 B) Mark and Name the following in the outline map of Konkan provided to you

10

- 1) An area affected by Landslides and Rockfalls.
- 2) A Flood affected area.
- 3) An area rich in mangroves.
- 4) An area facing the problem of Water logging due to Excessive Irrigation.
- 5) A Non-conventional power plant site.
- 6) An area having problems of Air Pollution due to Cattle Sheds.
- 7) An area facing Air Pollution due to Textile Industry.
- 8) An area having major problem of Noise Pollution due to Road Transport.
- 9) A Pilgrimage Centre.
- 10) A fort site.

Q:2 Answer any two of the following:

20

- a) Classify Solid Waste and elaborate on Municipal Solid Waste in detail
- b) Identify and elaborate on the need of Solid Waste Management.
- c) What is Solid Waste Management and discuss the role of MCGM in Solid Waste Management in Mumbai.

Q:3 Answer any two of the following:

20

- a) Deliberate on the problems linked to uneven food production and distribution
- b) Explain the causes and problems arising due to air pollution.
- c) What are the problems associated with Global Warming

CODE: _____

Duration: 3 hours

Marks: 100

Q:4 Answer any two of the following:**20**

- a) Identify and briefly discuss on the different types of tourism developed in the world.
- b) In spite of India having rich tourism prospects, tourist arrivals in the country are not up to the mark. Discuss.
- c) Write a short note on New Tourism Policy of India

Q:5 Answer any two of the following:**20**

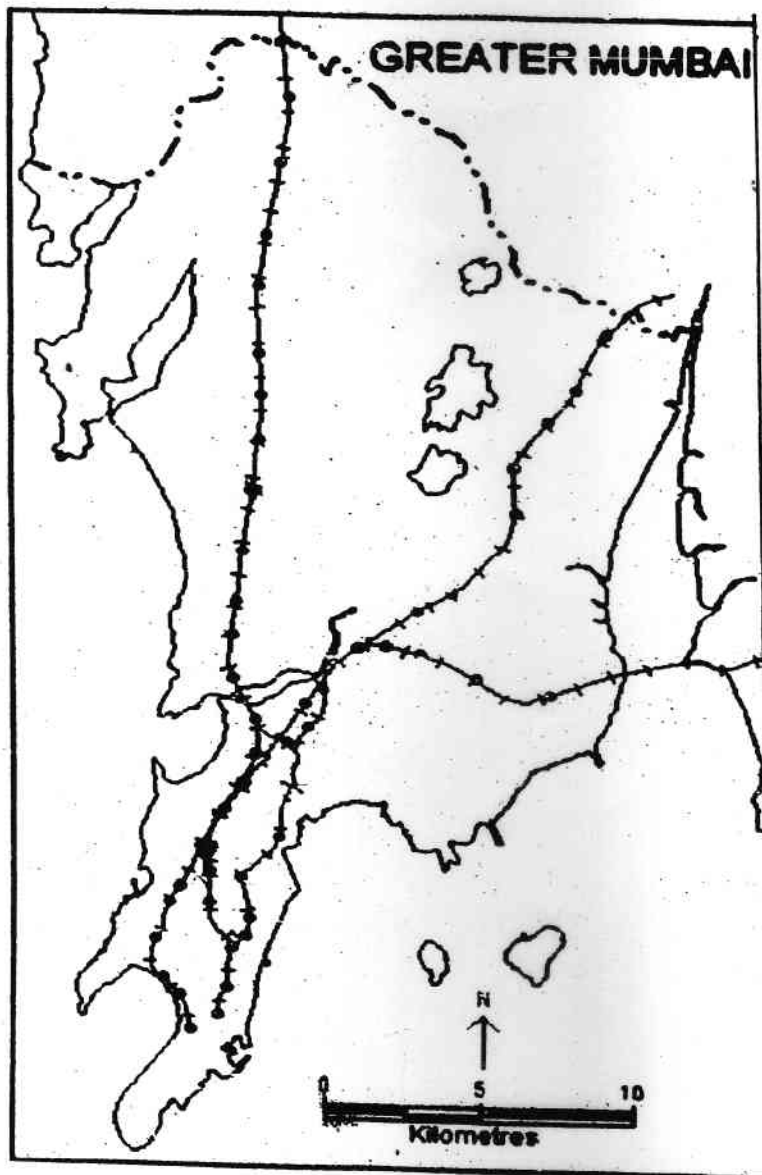
- a) What is EIA? What are the various steps involved in the implementation of EIA?
- b) Discuss briefly on the nature, scope and importance of environmental management.
- c) Write a short note on Narmada Bachao Andolan

-----X-----X-----X-----

Seat Number _____

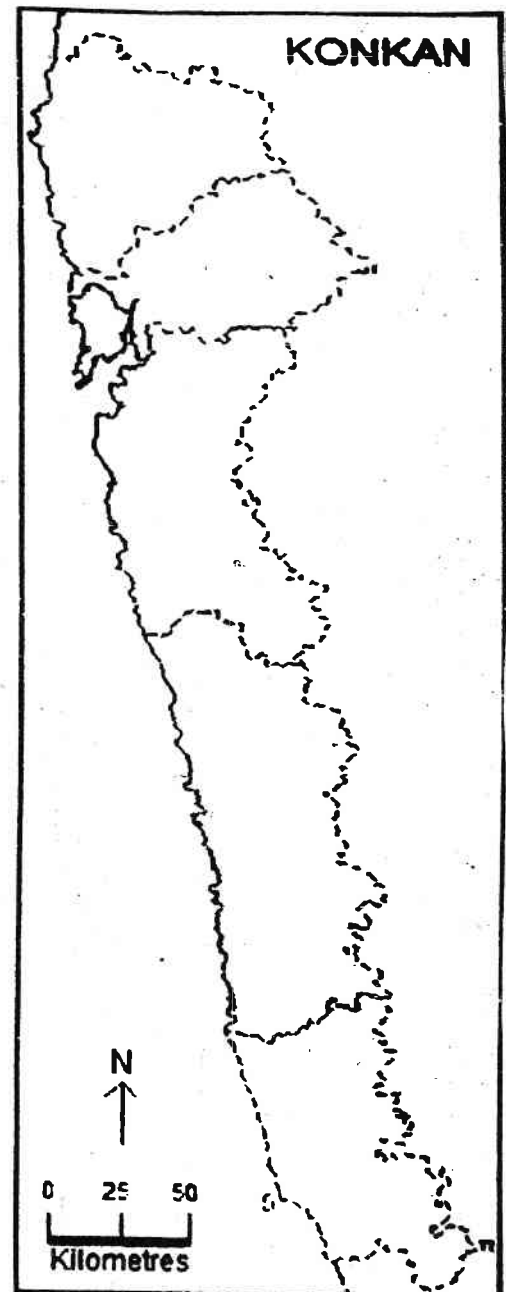
Sign of Invigilator _____

Q.1.A.



Legend :-

Q.1.B.



Legend :-

(8:00 TO 11:00 AM.)

10

10

- 10

10

- Page 1 of 2

CODE:

Duration: 3 hours

Marks: 100

- 10) Capital budgeting is also known as "Project evaluation".
 11) Pay-back period method shows profitability of the project.
 12) The higher the NPV the better is the project.

Q:2 Attempt A and B or C and D:

- A) What is Monopoly? Describe its features. 7
 B) Explain long run equilibrium of a firm under Perfect competition. 8

OR

- C) Discuss the Characteristics of a perfectly competitive market. 7
 D) Explain firm's equilibrium under monopoly market in the long run. 8

Q:3 Attempt A and B or C and D:

- A) Explain the features of Monopolistic Competition. 7
 B) Elaborate Paul Sweezy's Kinked demand curve model. 8

OR

- C) Write a detailed note on non-collusive oligopoly. 7
 D) Explain short run equilibrium of a firm under Monopolistic Competition. 8

Q:4 Attempt A and B or C and D:

- A) Explain the Multiple Product pricing method in detail. -
 B) Explain advantages and disadvantages of Marginal cost pricing. 8

OR

- C) Explain briefly Full cost pricing. 4
 And calculate it using following information.
 Average Fixed Cost Rs 500, Average Variable Cost Rs 100, Expected profit margin 12%. 3
 D) Explain the concept of Dumping with the help of diagram. 8

Q:5 Attempt A and B or C and D:

- A) Discuss the importance of Capital Budgeting. 7
 B) In the following table four projects with their initial investment and their annual cash inflow. 8
 Calculate the payback period for each project and select the most profitable project. Justify your answer.

Project	Initial Investment (Rs.)	Annual Cash Flow (Rs.)
A	1,00,000	20,000
B	1,50,000	15,000
C	3,00,000	10,000
D	80,000	40,000

OR

- C) Examine Net Present Value method of project evaluation with suitable example. 7
 D) Discuss Internal Rate of Return method with numerical example. 8

Q:6 Attempt A and B OR Write short notes on any four:

- A) Discuss excess capacity and inefficiency as a negative aspect of monopolistic competition. 10
 B) Examine the conditions under which price discrimination is possible. 10

OR

Write Short notes on any four of the following: 20

- a) Sources of monopoly power.
 b) Shut down point.
 c) Arguments for advertisements.
 d) Cartels.
 e) Difference between Persistent and Sporadic dumping.
 f) Pay Back Period.

-----X-----X-----X-----

19/04/2024

FY B (com (Sem-II) Additional Exam, April-2024
Sub - Foundation Course

SEAT NO. _____

CODE: _____

Duration: 2: 30 hours

Marks: 75

Instructions:- (1) All questions are compulsory having internal options.
(2) Figures to the right indicate full marks.

Q:1 A) Choose the correct answer from the options given below (Any 08)

08

- 1) FEMA was passed in _____ year.
 - a) 1989
 - b) 1999
 - c) 1996
 - d) 1920
- 2) In the state of _____ farmers suicides rate is highest.
 - a) Gujarat
 - b) Punjab
 - c) Maharashtra
 - d) Pune
- 3) Right to marry to full age of men and women is assured under _____ in UDHR.
 - a) Article 16
 - b) Article 14
 - c) Article 20
 - d) Article 13
- 4) The Fundamental Rights in India is enshrined in _____ of the Indian Constitution.
 - a) Part III
 - b) Part V
 - c) Part IV
 - d) Part II
- 5) The soil cover is also referred as _____.
 - a) Pedosphere
 - b) Lithosphere
 - c) Biosphere
 - d) Hydrosphere
- 6) _____ studies the flow of energy and matter through the biotic and abiotic components of ecosystem.
 - a) Landscape Ecology
 - b) Political Ecology
 - c) Ecosystem Ecology
 - d) Cultural Ecology
- 7) The aggression and abuse that cause or intend to cause injury to other is called.....
 - a) Frustration
 - b) Violence
 - c) Stress
 - d) Aggression
- 8) _____ is also another source of aggression / violence.
 - a) Media
 - b) Expectation of reward
 - c) Gift
 - d) Stress
- 9) Maslow identified _____ set of needs.
 - a) Two
 - b) Three
 - c) Five
 - d) Six
- 10) Physical or mental withdrawal from the conflict is referred as _____.
 - a) Forcing
 - b) Smoothing
 - c) Avoiding
 - d) Connecting

CODE:

Duration: 2: 30 hours

Marks: 75

07

Q:1 B) State whether following statements are True or False (Any 7)

- 1) Crop failure may force farmers to commit suicide.
- 2) Market liberalization and globalization does not have any effect on agrarian sector.
- 3) Human rights are derived from the principle of natural law.
- 4) Article 17 of the Constitution abolishes the practice of untouchability.
- 5) Urbanization is the only cause of environmental degradation.
- 6) The human environment is also called as anthrosphere
- 7) Type B personality generally engages in instrumental aggression.
- 8) If the judgement is favourable, then prejudice may lead to positive outcome.
- 9) Transcendence needs include search for knowledge and meaningful living.
- 10) All individuals need not have same set of needs.

Q:2 Attempt any one of the following:-

A) Explain the concept of Liberalization & Privatization and its impact.

15

OR

B) Describe the impact of globalization on Agrarian sector.

15

Q:3 Attempt any one of the following:-

A) What are Fundamental rights? Explain its significance.

15

OR

B) Explain the Right to Freedom enriched in Indian Constitution?

15

Q:4 Attempt any one of the following:-

A) Explain the concept & scope of ecology.

15

OR

B) Describe the concept and components of sustainable development.

15

Q:5 Attempt any one of the following:-

Explain in detail individual and group stressors.

15

OR

Write Short notes on any three of the following: (Any 03)

- a) Migration
- b) Right to equality
- c) Environmental degradation
- d) Causes of aggression
- e) Types of conflicts

15

-----X-----X-----X-----

CODE:

Duration: 3 hours

Marks: 100

N.B.:

1. All five questions are compulsory.
2. Each question carries 20 marks and each sub question carries 5 marks.
3. Use of a simple calculator is allowed.
4. Use of a scientific calculator, digital diary or a mobile phone is not allowed.
5. Graph papers will be provided on request.

Q.1 Attempt any FOUR of the following.

- a Find derivative of the following functions 5
 - i) $y = 7^x - 2x^2 - 5\log x + 10^2$
 - ii) $y = \frac{(x^3 + \sqrt{x} - 2)}{(x - 1)}$
- b If $f(x) = x^2 - 2x + 7$, find 'x' if $f(x) = f(x - 1) + 5$ 5
- c The total demand function is given by $P = 18 + x - x^2$ Where x = demand. Find the total revenue and the marginal revenue when $x = 3$. 5
- d The total cost function is given by $C = 3x^3 + 36x^2 - 108x + 21$. Find x for which the total cost function is minimum. 5
- e i) Find the elasticity of demand if the marginal revenue is 50 and the average price is 75. 5
ii) Find the marginal revenue if the price is 45 and the elasticity of demand is 5.

Q.2 Attempt any FOUR of the following.

- a The simple and compound interest for 2 years on the same principal, at the same rate are Rs. 6,000/- and Rs. 6,240/- respectively. Find the principal amount and the rate of interest. 5
- b Mr. A will pay to Mr. B Rs.50,000/- after 2 years and he will pay to Mr. C Rs.64,000/- after 3 years. Find the total present worth of both payments, if the interest rate is 8% p.a., compounded annually. 5
- c Ms. X deposited Rs. 12,000/- at the end of each quarter at 12% compound interest p.a. Find the amount he will receive after 2 years. 5
- d Ms. Y took a loan of Rs. 2,00,000/- with 10% interest per month, to be repayment in 8 months. Calculate the EMI using reducing balance method. 5
- e Mr. Z bought a bicycle with cash payment of Rs. 5,000/- and 2 monthly installments of Rs. 5,000/- each. Find the cost of the bicycle, if the company charges 3.5% interest, compounded annually. 5

Q.3 Attempt any FOUR of the following.

- a Explain the following terms: 5
 - i) Correlation, ii) Positive Correlation, iii) Negative correlation.
- b For the following data calculate Karl Pearson's coefficient of correlation (correct up to 3 decimal places) 5

X	10	20	30	40	50	60
Y	16	22	28	32	26	20

CODE:

Duration: 3 hours

Marks: 100

- c Calculate Spearman's rank correlation coefficient for the following data. 5

X	90	110	87	90	125	109
Y	25	24	20	25	23	25

- d If regression equation Y on X is $x - 3y + 5 = 0$, and regression equation X on Y is $2x - 3y + 4 = 0$ find (i) the coefficient of correlation and (ii) the mean values of x and y. 5

- e Estimate the marks in Statistics of a student who secured 60 marks in Accounts from the following bivariate data: 5

	Accounts (X)	Statistics (Y)
Mean marks	76	81
Standard deviation	6	10
Correlation coefficient	0.6	

- Q.4 Attempt any FOUR of the following.

- a Write a short note on time series. 5

- b Calculate 5 yearly moving averages from the following time series. Also plot the given data and the moving averages on a graph paper. 5

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022
Sales	150	170	200	260	300	250	220	190	160

- c Fit a straight-line trend for the following data (use all values correct up to 2 decimal places) 5

Year	2012	2013	2014	2015	2016	2017	2018	2019	2020
Sale	10	12	14	16	17	20	22	24	27

- d Calculate Laspeyre's, Paasche's and Fisher's price Index Numbers from the following data 5

Commodities	Base Year		Current Year	
	Price	Quantity	Price	Quantity
W	82	10	105	20
X	72	20	80	35
Y	62	40	72	50
Z	100	30	120	45

CODE:

Duration: 3 hours

Marks: 100

- e Construct Cost of living Index Number using Aggregative Expenditure method for the following data: 5

Commodities	Base Year (2020)		Current Year (2023)	
	Price	Quantity	Price	Quantity
Food	2000	5	3000	6
Fuel	1000	2	1500	3
Clothing	1500	5	4000	6
House Rent	5000	1	8000	1
Miscellaneous	3000	4	5000	5

Q.5 Attempt any FOUR of the following.

- a If mean and variance of a Binomial distribution are 3 and 2 respectively, find probability that number of successes is i) Only two, ii) Less than one. 5
- b Define Binomial Distribution with its properties. 5
- c If a random variable "x" follows Poisson distribution with mean is equal to 2, Find i) $P(x = 2)$, ii) $P(x = 3)$, iii) $P(x = 4)$, iii) $P(2 < x \leq 4)$ [Given $e^{-2} = 0.1353$, $e^{-4} = 0.018$]. 5
- d For a Poisson distribution if $P(x = 2) = 2 P(x = 1)$. Find the mean and hence find i) $P(x \leq 1)$, ii) $P(x > 1)$. [Given $e^{-2} = 0.1353$, $e^{-4} = 0.0183$] 5
- e If X is a normal variate with mean 500 and standard deviation 100. Find i) $P(x \leq 600)$ ii) $P(x \leq 400)$ iii) $P(400 \leq x \leq 600)$ [Given: area under the standard normal curve between $z = 0$ and $z = 1$ is 0.3413 and area under the standard normal curve between $z = 0$ and $z = 2$ is 0.4772] 5
