M.L.DAHANUKAR COLLEGE COMMERCE
EXTERNAL EXAMINATION –April 2023
FYBFM SEM II
SUBJECT :ENVIRONMENTAL SCIENCE

Marks:75

Date & Time: 6ᵗʰ April,2023 11:30am to 2:00pm

Q1A) **Multiple Choice Questions (any 8 out 0f 10)** 8 marks

1. Agricultural decisions are greatly influenced by _____.
   a) Industries b) Plains c) climate d) regions
2. *Forests helps in reducing the rate of surface run off of* _____.
   a) Air b) Water c) Noise d) wind
3. _____form the secondary consumers.
   a) Herbivores b) Carnivores c) Plants d) decomposers
4. _____ is a measure to prevent environmental degradation.
   a) Desertification b) Soil erosion c) afforestation d) emissions
5. _____conservation means preservation of biota away from their natural habitat.
   a) Ex-situ b) In-situ c) Arboreta d) Cryo preservation
6. ISO _____ series is for environmental assessment of sites and organisation.
   a) 14001 b) 14004 c) 14015 d) 19011
7. The tertiary sector of the economy is the _____Industry.
   a) agriculture b) manufacturing c) service d) Intellectual
8. _____ is first stage in environmental auditing process.
   a) Develop an audit plan b) prepare pre audit questionnaire c) review background information d) conduct initial site visit
9. _____converts 80% of its milk into butter and remaining into condensed milk and cheese.
   a) Uruguay b) Denmark c) New Zealand d) Australia
10. Information on location and time provided through space-based navigation is called _____.
    a) GPS b) GIS c) remote sensing d) EIA

Q1B) **Match the column (any 7 out 0f 10)** 7 marks

1.

1)Lithosphere	a) Leak of methyl isocynate
2)food chain	b) recyclable
3)Lumbering	c) anticipatory tool
4)Bhopal Gas Tragedy	d) post activity tool
5)Atmosphere	e) non-recyclable
6) Exhaustible resources	f) Rocky crust
7) Inexhaustible resources	g) International Organisation for standardisation
8) EA	h) different trophic levels
9) EIA	i)79% nitrogen
10) ISO	j) commercial extraction of timber

Q2 A	Explain the different types of consumers in brief.	8 Marks
Q2 B	Briefly discuss the Forest Ecosystem.	7 Marks

<div align="center">OR</div>

Q2 P	How is the energy received, transformed and transferred in an ecosystem?	8 Marks
Q2 Q	Briefly discuss the aquatic ecosystem.	7 Marks

Q3 A	State the causes of exploitation of natural resources.	
Q3 B	State the meaning and effects of desertification.	8 Marks
		7 Marks

OR

Q3P	State the measures to conserve energy.	8 Marks
Q3Q	Suggest measures to conserve Water.	8 Marks
		7 Marks

Q4 A	Briefly enumerate the classification of human activities.	
Q4 B	Explain some of the problems that arise due to deforestation.	8 Marks
		7 Marks

OR

Q4P	Discuss the impact of Industries on environment.	
Q4 Q	What are the ways in which we can conserve our forests?	8 Marks
		7 Marks

Q5 A	Explain the features of Environmental audit.	
Q5 B	State the different functions of Indian remote sensing satellites.	8 Marks
		7 Marks

OR

Q5 Write Short Notes On (any 3)

1. Role of technology in Environment management.   15 Marks
2. Environmental Impact assessment
3. Scope of Environment Studies
4. Global Positioning system
5. Global Warming

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M.L. DAHANUKAR COLLEGE COMMERCE
EXTERNAL EXAMINATION –April 2023
FYBFM SEM II
SUBJECT: Financial Accounting II

Marks:75

Date & Time: 5th April, 2023 11:30am to 2:00pm

Q1A) **Multiple Choice Questions (any 8 out 0f 10)**   **8 marks**

1. The Board of Directors of a company can decide to buyback _____ of total paid-up equity capital and free reserves of a company without shareholders' approval.
   a) 15% b) 5% c)25% d) 10%

2. Any amount payable within 12 months from date of Balance Sheet is called as _____
   a) capital b) contingent liability c) non-current liability d) current liability

3. Prepaid Wages will be shown under the _____ in the Balance Sheet.
   a) Short Term Loans and Advances   b) Trade Receivables
   c) Short Term Borrowings   d) Current Investments

4. Capital Redemption Reserve can be utilised only for _____.
   a) Issue of Right Shares   b) Issue of Sweat Equity Shares
   c) Issue of Fully paid Bonus Shares   d) Issue of Employee Stock Options

5. Part _____ of Schedule III of Companies Act requires Profit and Loss A/c to be prepared in vertical form.
   a) I b) II c) III d) IV

6. While calculating average capital employed _____ should be considered.
   a) Intangible Trading assets b) Tangible trading assets c) Fictitious assets d) Tangible and Intangible Trading assets

7. Intrinsic Value of a share is also called as _____
   a) Yield Value of share b) Fair Value of share c) Face Value of share
   d) Net Asset Value of share

8. Own debentures which are held as investment will be shown on the asset side in the Balance Sheet at _____.
   a) Face value b) Cost c) Market Value d) Nominal Value

9. _____ concept implies recording revenue and expenses of a particular accounting period whether they are received /paid in cash or not.
   a) Matching Concept b) Dual Concept c) Accrual Concept
   d) Going Concern Concept

10. The _____ is called as the nerve centre of the computer.
    a) Memory Unit b) ALU c) RAM d) Control Unit

Q1B) **Match the column (any 7 out 0f 10)**   **7 marks**

Column A	Column B
1. Securities Premium	a) Forfeiture of Shares
2. IPO	b) Employees
3.Profit on Sale of Own Debentures	c) Keyboard
4. Sweat Equity Shares	d) Printer
5. Calls in arrears	e) Bank Overdraft

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6. Input Device	(f) Book Building process
7. Long Term Borrowings	(g) Capital Profit
8. Short Term Borrowings	(h) Buyback of Shares
9. Output Device	(i) Revenue Profit
10. Sec 68 Companies Act,2013	(j) Debentures

Q2 A Olaf Allen Ltd. Issued is incorporated with an authorised capital of Rs. 50,00,000   **15 Marks**
divided into 50,000 equity shares of Rs. 100 each. The company decided to issue
30,000 equity shares of Rs. 100 each payable as under:
Rs. 20 on application; Rs. 30 on allotment; Rs. 25 on first call and Rs. 25 on final
call

The company received applications for 40,000 equity shares. It was decided by the
company to reject applications for 5,000 equity shares and out of the balance
applications to allot equity shares on Pro-rata basis. Application money on rejected
applications was refunded. The excess application money was adjusted against
amount due on allotment.

All the calls were duly made and money received except the final call money for
300 equity shares not paid by Miss Geeta. Her shares were forfeited by the
company. These forfeited shares were subsequently reissued by the company at
Rs. 80 per share fully paid up. Any shortfall on reissue of forfeited shares to be
adjusted from share forfeiture account.
You are required to pass the necessary Journal entries in the books of Olaf Allen
Ltd.

OR

Q2 P Crimson Ltd. took over the assets worth Rs. 8,00,000 and liabilities worth Rs.   **8 Marks**
50,000 of Violet Ltd. The purchase consideration agreed for the same was Rs.
7,20,000. Crimson Ltd. decided to issue 12% Debentures of face value Rs.100
each for the amount due as purchase consideration to Violet Ltd.
Show Journal in the books of Crimson Ltd. under the following circumstances;
a) When debentures are issued at par
b) When debentures are issued at 20% premium
c) When debentures are issued at 10% discount

Q2 Q Authorised share capital of Apcotex Ltd. Ltd. is divided into 10,00,000 equity   **7 Marks**
shares of Rs. 10 each. Apcotex Ltd. is planning to issue shares amounting to 10%
of its authorised capital. The price band is Rs. 415 -Rs. 465.
a) What is cap price?
b) What is the floor price?
c) What is the cut-off price if 50% applications are received at cap price and 50%
application are received at floor price?
d) Calculate cut-off price if the applications are received as follows:
   50% at cap price
   25% at floor price
   25% at Rs. 455

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Gracious Ltd. has an authorised capital of Rs. 1,00,00,000 divided into 10,00,000 **15 Marks** equity shares of Rs.10 each. The trial balance of the company as on 31st March, 2022 was as follows:

Debit Balances	Amount (Rs.)	Credit Balances	Amount (Rs.)
Advertising	97,540	12% Debentures	2,89,500
Rent, Rates and Taxes	1,41,970	Gross Profit	10,59,000
Bad Debts	14,250	Profit& Loss A/c	1,01,200
Director's fees	18,000	Equity Share Capital	45,50,000
Sundry Expenses	39,980	Reserve for Bad Debts	45,000
Salaries	1,59,150	Accrued Wages	64,150
Cash on hand	47,700	Transfer Fees	550
Cash at Bank	2,05,000	Creditors	2,55,150
Closing Stock	7,23,500	General Reserve	3,25,000
Premises	22,50,000		
Plant and Machinery	17,45,860		
Debtors	6,08,900		
Furniture	67,500		
Vehicles	4,00,000		
Discount on issue of shares	75,200		
Interim Dividend	95,000		
Total	**66,89,550**	**Total**	**66,89,550**

Prepare statement of Profit& Loss for the year ending 31st March,2022 and Balance Sheet as on that date in the prescribed vertical form as per Schedule III of Companies Act, 2013 after considering the following information:
a) Depreciate Plant & Machinery at 10% and Furniture at 5%
b) Create Reserve for bad debts at 10% on debtors
c) Make Provision for taxation to the extent of Rs.1,00,000
d) Write off 20% of discount on issue of shares

OR

Q3P The paid-up capital of Aster Ltd. comprises of 25,000 Equity Shares of Rs. 100 each. The information about profits before taxation and rate of dividend of Aster Ltd. for last 3 years is given below : **8 Marks**

Profit before Tax and Dividend rate:

Year	Profit Before Taxation (Rs.)	Dividend Rate (%)
2020	7,00,000	14%
2021	10,50,000	16%
2022	15,50,000	21%

The rate of tax is 50% and the Normal Rate of Return is 15%
You are required to calculate the Value of Share for :-
  a) Majority Shareholders
  b) Minority Shareholders

Q3 Q Following is the Balance Sheet of Unicorn Ltd. as on 31ˢᵗ March,2021 **7 Marks**

Liabilities	Amount (Rs.)	Assets	Amount (Rs.)
Share Capital: Equity Shares FV Rs. 100 each	25,00,000	Plant and Machinery	10,00,000
General Reserve	5,00,000	Land and Building	15,00,000
Capital Redemption Reserve	2,50,000	Investments	7,00,000
Profit & Loss A/c	3,10,000	Closing Stock	2,00,000
Securities Premium	1,80,000	Sundry Debtors	4,50,000
Capital Reserve	1,20,000	Cash and Bank	2,90,000
Sundry Creditors	1,50,000		
Bills Payable	1,30,000		
Total	41,40,000	Total	41,40,000

The company decides to allot fully paid Bonus Shares to the existing the shareholders in the ratio 2 : 5
For that purpose, it was decided to utilise the full amount of Capital Redemption Reserve and the balance to be utilised out of General Reserve and Profit & Loss A/c in that order.
You are required to:
i) Pass necessary Journal entries
ii) Prepare Balance Sheet of the company (horizontal form) after Bonus Issue of shares

Q4 A On 1ˢᵗ January, 2022 Amarson Ltd issued 10,000, 15% Debentures of face value   15 Marks
Rs.100 each. Interest was payable on 30ᵗʰ June and 31ˢᵗ December every year. On
1ˢᵗ July, 2022 the company purchased from the market 500 own debentures at
Rs. 94 per debenture and decided to cancel 200 debentures immediately on the
same day. The remaining own debentures will be held as investment by the
company. You are required to pass necessary Journal entries in the books of
Amarson Ltd. for recording the issue, buyback, cancellation of debentures
including the debenture interest paid on due dates. The company closes its books
of accounts on 31ˢᵗ December every year.

OR

Q4 P Arizona Ltd. passed a resolution to buyback 40,000 of its fully paid up equity   8 Marks
shares of face value Rs.10 each at 15% premium. For this purpose, the company
issued 1,500, 12% preference shares of Rs. 100 each at par. The entire amount of
preference issue was received with applications. The company also utilises
Rs.70,000 of the balance in securities premium apart from sufficient balance in
General reserve to fulfil requirements of buyback process.
Pass Journal entries in the books of Arizona Ltd.

Q4 Q On the basis of the following investment details comprising of 10% Debentures as   7 Marks
on 31ˢᵗ March, 2015, you are required to:
   a) Calculate the Cost of debenture Investment on Weighted Average Basis
   b) Calculate the Face Value of Debenture Investment (closing balance) as on
      31ˢᵗ March, 2015
   c) What will be the Carrying amount of investment as per AS 13

All the investment in 10% Debentures will be treated as short term investments.
Details of purchase and sale of Debentures during the year 2014-2015

Date	Purchase/Sale	Total Face Value	Total Cost
1.4.2014	Purchase	Rs. 1,00,000	Rs. 91,000
1.6.2014	Purchase	Rs.50,000	Rs. 53,000
1.12.2014	Purchase	Rs. 60,000	Rs. 59,000
1.2.2015	Sale	Rs. 90,000	Rs. 86,000

The Face Value per debenture is Rs. 100. The Market Value per debenture as on
31ˢᵗ March, 2015 is Rs.99

Q5 A Explain the different types of Accounting Concepts   8 Marks
Q5 B Explain the procedure for formulation/issue of Accounting Standards in India.   7 Marks
OR
Q5 **Write Short Notes On (any 3)**   15 Marks
1   Interpreters and Compilers
2   Accounting Standard 9 Revenue Recognition
3   Net Asset Value Method and Yield Value Method
4   Sources of Buyback of Shares
5   Types of Debentures

PTVA's ML DAHANUKAR COLLEGE OF COMMERCE
Academic Year: 2022-23
Semester End Examination

Class: FYBMS/FYBAF/FYBBI/FYBFM   Semester: II

Subject: Foundation Course II   Total: 75 marks

Date: 3rd April, 2023   Time: 11.30 AM to 2.00 PM

Q 1.A.   **Multiple Choice Questions (any 8 out of 10)**   **8 marks**

1. _____ means integrating the national economy with the world economy.
   (a) Privatization (b) Liberalization (c) Globalization (d) Disinvestment.

2. ____ refers to coerced movement of people away from their home.
   (a) Local migration (b) Regional migration (c) Forced migration (d) Mass migration.

3. Human rights came into existence in a more specified and well defined manner with the signing of ____ in 1215.
   (a) Theory of Natural Law (b) UDHR (c) Magna Carta (d) The Natural Rights Theory.

4. The UDHR consists of a preamble and ____ articles highlighting human rights and freedoms entitled to everyone in the world.
   (a) 15 (b) 20 (c) 10 (d) 30.

5. An ecosystem is an ____ environment consisting of all the living and non-living organisms in a particular area.
   (a) Geographical (b) Sociological (c) Political (d) Biological.

6. _____ development focuses on improving the quality of human life without increasing the use of natural resources.
   (a) Environment (b) Sustainable (c) Human (d) Ecological.

7. ____ is a situation in which two or more parties feel themselves in opposition.
   (a) Stress (b) Conflict (c) Frustration (d) Anger.

8. ____ implies a pre conceived & unreasonable judgement usually an unfavourable one arising out of fear, hatred or suspicion.
   (a) Values (b) Behaviour (c) Ethics (d) Prejudice.

9. Maslow identified ___ set of needs.
   (a) Two (b) Three (c) Four (d) Five.

10. _____ can be defined as the most basic means of setting out differences.
    (a) Negotiation (b) Mediation (c) Conflict (d) Aggression.

Q 1.B.   **True or False (any 7 out of 10)**   **7 marks**

1. The process of moving for a period of time in response to labour or climatic conditions is called as seasonal migration.

2. In India, the concept of privatisation gained importance in the post reform period since 1991.

3. The UDHR consists of 28 articles.

4. Magna Carta was signed in the year 1215

5. Urbanization is the only cause of environmental degradation.

6. Abiotic components are non-living compound & Physical elements in the environment.
7. Eustress is also known as Negative stress.
8. Communalism often results into violence.
9. Meditation is an effective method of relieving stress.
10. According to Maslow, security needs must be satisfied after the need of self-actualisation.

Q 2 a) Briefly enumerate the positive impacts of globalization.
8 marks

b) What is migration? What are the different types of migration?
7 marks

OR

Q 2 c) What is Corporate Farming? What are the arguments for and against Corporate Farming?
8 marks

d) Briefly discuss, 'Growth of Information Technology and Communication'.
7 marks

Q 3 a) What are the characteristics of Human Rights? Briefly explain.
8 marks

b) Briefly discuss the UDHR (Universal Declaration of Human Rights)
7 marks

OR

Q 3 c) Briefly explain the significance and characteristics of Fundamental Rights.
8 marks

d) Briefly enumerate the Right to Equality as enumerated in the Constitution of India.
7 marks

Q 4 a) What are the various components of the environment? Briefly explain.
8 marks

b) Briefly explain the various forms of Environmental Degradation.
7 marks

OR

Q 4 c) What are the various causes of stress? Briefly explain.
8 marks

d) What are the different ways to cope with stress? Briefly enumerate.
7 marks

Q 5.A. Briefly explain the significance of values in Individual Development.
8 marks

Q 5.B. Explain Abraham Maslow's Theory of Self-Actualisation.
7 marks

OR

Q 5.C. Short Notes (any 3 out of 5)
15 marks
1. Reasons for Farmer Suicides in India.
2. Magna Carta.
3. Importance of Environmental Studies.
4. Stereotypes and Prejudice.
5. Types of Conflict.

M.L.DAHANUKAR COLLEGE COMMERCE
EXTERNAL EXAMINATION –April 2023
Marks:75
FYBFM SEM II
SUBJECT :PRINCIPLES OF MANAGEMENT
Date & Time: 8ᵗʰ April, 2023 11:30am to 2:00pm

Q1A)   Multiple Choice Questions: (any 8 out 0f 10)

a. discipline
b. authority
c. process
d. contingency

3.   Planning is the _____ function of management.
a. elementary
b. primary
c. secondary
d. auxiliary

4.   Decision-making is the _____ of management process.
a. turning point
b. starting point
c. finishing point
d. end point

5.   Brainstorming technique was developed by _____.
a. Alex Hosborn
b. Taylor
c. Follett
d. Fayol

6.   Delegation means _____ of authority.
a. acceptance
b. submission
c. transfer
d. avoidance

7.   Coordination _____ conflicts.
a. minimises
b. raises
c. stops
d. enhances

8.   Decentralisation is determined by the _____ of the business.
a. budget
b. size
c. manpower
d. nature

9.   Control allows_____ deviation in performance.
a. no
b. slight
c. limited
d. liberal

1

10. MBO is the _____ technique of controlling.
   a. traditional
   b. modern
   c. old
   d. outdated

Q1B) **True or False :(any 7 out 0f 10)**   **7 marks**
   1. Management is an economic resource.
   2. Project is a time bound activity.
   3. Policies are guidelines to actions.
   4. Planning is second to all management functions.
   5. Departmentation leads to specialization
   6. Traits are inborn qualities.
   7. Line organization structure is a traditional structure.
   8.. Control allows limited deviation in performance
   9. Self-control is better than external control.
   10. ROI is a modern technique of control.

Q2 A   Discuss Henry Mintzberg's basic management roles.
Q2 B   Discuss contemporary issues and challenges in managing business.   **8 Marks**
                                                                                        7 Marks
                                 OR
Q2 P   State the merits and demerits of Contingency approach to management.
Q2 Q   Explain the techniques of Scientific Management.   **8 Marks**
                                                                                        7 Marks

Q3 A   Explain the process of Planning in detail.
Q3 B   Elaborate on the different types of Strategies.   **8 Marks**
                                                                                        7 Marks
                                 OR
Q3P   Enumerate the types of Plans.
Q3 Q   Explain the steps in the MBO process.   **8 Marks**
                                                                                        7 Marks

Q4 A   Explain the types of leadership styles.
Q4 B   Explain the main principles of Organizing.   **8 Marks**
                                                                                        7 Marks
                                 OR
Q4P   Enlist the types of Organizational Structure.
Q4 Q   Explain the importance of Leadership.   **8 Marks**
                                                                                        7 Marks

Q5 A   Explain the importance of Controlling.
Q5 B   Enlist the types of Control system.   **8 Marks**
                                                                                        7 Marks
                                 OR
Q5   **Write Short Notes On (any 3)**
   1   Brainstorming Technique   **15 Marks**
   2   Lassiez Faire Leadership
   3   Management Information System
   4   SMART goals
   5   Planning Premises

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Total: 75 marks

Date: 1st April, 2023   Time: 11.30 AM to 2.00 PM

Q 1.A   Answer to multiple choice questions (any 8 out of 10)   8 marks

1. A _____ is powerful means of communication within an organisation.
   a) Television b) Film c) House organ d) Opinion poll

2. A ____ is decision making body.
   a) Conference b) Seminar c) Symposium d) Committee

3. Catalogues, price lists and other literature may be sent by seller in response to letter of ___
   a) Inquiry b) Order c) Complaint d) Collection

4. The state commission deals with complaints up to the value of rupees _____
   a) Twenty thousand b) Twenty Lakh c) Five thousand d) Five lakhs

5. Reports in the form of personal letter and submitted without observance of any formality are ___ reports.
   a) Formal b) Informal c) Informative d) Interpretative

6. Right to information act was passed in year _____
   a) 2003 b) 2004 c) 2005 d) 2006

7. We should _____ examples used in the passage given for summarisation.
   a) Skip b) include c) elaborate d) add

8. In AIDA formula A stands for _____
   a) Attraction b) Abstract c) Addition d) Attention

9. Suggestion schemes are _____ communication.
   a) Upward b) Downward c) Grape wine d) Horizontal

10. To Confer means to _____
    a) Collect b) Converse c) Convert d) Condemn

Q 1.B   Answer True or False (any 7 out of 10)   7 marks

1. Comments, opinions and views of the author should always be included in summary.
2. Report should be reader oriented.
3. Information affecting competitive position of third party should be revealed under RTI
4. An oral complaint can be lodged with consumer guidance cell.
5. Selling is the index of success in business.
6. The complaint should be thanked.
7. In PR government bodies are part of Publics.
8. Agenda is kept secret till the meeting begins.
9. In interview questioning is more important than listening.
10. When a video conference is held for informal purposes is called as video call or video chat.

Q 2 A) Explain roll of interviewer in process of interview. **8 marks**

B) Which are the types of meetings? How they differ from each other? **7 marks**

OR

Q 2 C) Explain different types of conferences. **8 marks**

D) What are the major functions of public relations? **7 marks**

Q 3 A) Sterling Book Depot, Mumbai wants to place an order for printing ten thousand copies of the catalogue of their latest publications with Techno Publishers based in Pune. They also enclose a catalogue of the previous year and request a similar type of catalogue to be released in June 2023. Draft the inquiry letter on behalf of Sterling Book Depot in Modified Block Form. **8 marks**

B) Continental Traders Ltd., seek goods worth Rs.10 lacs on credit from you. This is the first time they have approached you. They have given Cosmos Bank Ltd as reference. Wrote the letter to your banker seeking credit status inquiry. The letter should be in semi block form. **7 marks**

OR

Q 3 C) Based on the advice received from your bankers, you do not wish to grant credit to Messrs. Taraporewala & Sons. You are required to express your inability to undertake their request for material worth Rs.15 lacs on credit for a period of 3 months. Draft the letter in Full Block form. **8 marks**

D) Heerson Stores had ordered 50 kgs of dry fruits from a supplier in Goa. The consignment delivered was infested with worms. On behalf of Heerson Stores, write a letter to the supplier in Modified Block Form. **7 marks**

Q 4 A) Write a Sales Letter to promote the sales of an advanced air purifier. The letter should be written in Modified Block Form. **8 marks**

B) Your grandfather has not been receiving his pension from Shipping Corporation of India. In spite of regular reminders no action has been taken. Use the RTI Act to write to the pension office and question about the non-receipt of pension to which your grandfather is entitled. **7 marks**

OR

Q 4 C) Draft an investigative report to the Director, Head Office, Bata Shoes Ltd., reporting about the outbreak of fire and the resultant inability to manufacture at the Company's manufacturing plant at Valsad, Gujarat and the estimated time frame when Production can commence. **8 marks**

D) Draft the notice and agenda for the Annual General Meeting of Bala Sons Ltd. **7 marks**

Q 5. A Prepare an individual report with recommendations on the declining sales of Annie Cosmetics in the Noida market. **8 marks**

Q 5. B   Summarize the following passage.   **7 marks**

The tiger is a protected animal. Poachers can be jailed or fined if caught. However, the tiger trade is so profitable that the animal continues to be in danger.

The story of a tiger cub called Nicky caught public attention. Nicky was saved from the cooking pot by an animal lover. The Malaysian Trade Commissioner to Papua New Guinea learned that a tiger cub had been sold to a restaurant in Kuala Lumpur. He paid more than RM10,000 for the cub and gave it to the Malacca Zoo to keep. Mysteriously, the cub disappeared from the animal clinic where it was being kept for examination. For two days the public worried. Many people feared that the animal had been stolen. To the relief of the zoo staff and the concerned public, Nicky was found safe. She was playing near the tiger enclosure. Luckily, it had rained so at least there were puddles of water for her to drink. She was hungry but appeared none the worse for her adventure. Nicky could have wandered out when some employee carelessly left her enclosure unlocked. The other possibility was that someone had tried to steal her. When that person realized that the tiger is a protected species, Nicky was returned to the zoo.

Human beings are strange. The desire for exotic foods appears to be universal. People eat bears' paws, camel humps, duck embryos, ostrich and even crocodiles. The list appears endless. Nobody really seems to have strong objections. As a result, some animals look to be in grave danger of disappearing from the face of the earth.

OR

Q 5. C   Write Short Notes On (any 3)   **15 marks**
1. Reprimand Interview
2. Disadvantages of meetings
3. Virtual Conference
4. Press Release
5. Teleconferencing

M.L. DAHANUKAR COLLEGE COMMERCE
EXTERNAL EXAMINATION –April 2023
FYBFM SEM II
SUBJECT: BUSINESS STATISTICS

Marks:75

Date : 31-Mar-2023   **Time : 11:30am to 2:00pm**

Q1A) Choose the correct alternatives (any 8 out 0f 10)   **8 marks**

1. To draw percentage bar diagram height of each bar is --------units
    a) 1
    b) 5
    c) 10
    d) 100

2. Which of the following is the example of continuous variable?
    a) Petrol consumption per day
    b) Number of cars moving on road per day
    c) Number of shirts manufactured by factory
    d) Number of persons travelling by bus

3. ------------ divides the given distribution into 10 equal parts
    a) Quartile
    b) Decile
    c) Median
    d) Percentile

4. Standard deviation of data 4,6,7,5,8 is--------------------
    a) 1.4241
    b) 1.4142
    c) 1.4421
    d) 1.4412

5. If company manufactures three products which are processed on two machineries, then LPP has
    a) 2 decision variables & 3 constraints
    b) 3 decision variables & 2 constraints
    c) 2 decision variables & 2 constraints
    d) 3 decision variables & 3 constraints

6. Median of the data 56, 60, 65, 68, 70, 74, 77 ,80 is
    a) 69
    b) 65
    c) 68
    d) 70

7. If $r = -1$ then there is -------------- correlation between given variables
    a) Perfect negative
    b) High degree negative
    c) Low degree negative
    d) Moderate negative

9. Geometrically linear function is represented by -----------------
    a) Circle
    b) Straight line
    c) Parabola
    d) Hyperbola

10. Amit has scored 55 marks in Maths with credit points 4, 70 marks in Physics with credit points 4.5, 56 marks in Biology with credit points 3, 50 marks in English with credit points 3.5 & 54 marks in chemistry with credit points 5. Average marks scored by Amit is
   a) 68.3333
   b) 52.7777
   c) 58.5333
   d) 55.2222

Q1B) State whether the following statements are true or false (any 7 out 0f 10)   7 marks
1. Mode of the data is 2, 3, 3, 3, 5, 6, 3, 5, 3, 4, 1, 2, 3, 3 is 6.
2. If two variables change in the same direction then there is positive correlation between them
3. If $y = a + bx$ is regression equation of y on x then y is dependent variable & x is independent variable.
4. A measurable characteristic of a population is known as parameter.
5. Coefficient of quartile deviation is calculated as (Q3+Q1)/2 where Q1 is lower quartile & Q3 is upper quartile
6. Performance of student is example of attribute.
7. Graphical method can be used to solve LPP which has any number of variables
8.. Range is most appropriate absolute measure of dispersion.
9. To draw frequency curve, we take class mark of each class on x axis.
10. In LPP, each decision variable is always positive.

Q2 A Given below is the distribution of daily wages of 1000 employees. Calculate 6th decile & 80th percentile   8 Marks

Daily wages in '00 Rs.	5 − 7	7 − 9	9 − 11	11 − 13	13 − 15
No. of employees	200	250	300	150	100

Q2 B Solve the following LPP by graphical method   7 Marks
$Max\ z = 9x + 13y$ subject to $2x + 3y \le 18$, $2x + y \le 10, x, y \ge 0$

OR

Q2 P Find arithmetic mean & mode of the following data   8 Marks

Age in years	20-25	25-30	30-35	35-40	40-45
Number of policy holders	100	120	180	150	50

Q2 Q Find Karl Pearson's Correlation Coefficient between x & y 7 Marks

x	8	5	9	7	10	11	6
y	11	8	12	10	13	14	9

Q3 A Find mean, standard deviation & coefficient of variation of the following data   8 Marks

Number of accidents per day	2-4	4-6	6-8	8-10	10-12
Number of cities	12	18	25	15	10

Q3 B   If $2x - y - 15 = 0$ is regression equation of x on y & $3x - 4y + 25 = 0$ is regression   7 Marks
equation of y on x then find mean of x & y, regression coefficient of both lines & correlation
coefficient between x & y

<div align="center">OR</div>

Q3P   Draw less than ogive to represent the following data & hence locate median   8 Marks

Weight in kg	20-30	30-40	40-50	50-60	60-70
Number of persons	10	15	25	20	10

Q3 Q   Find Spearman's Rank Correlation Coefficient between x & y 7 Marks

x	70	85	70	60	56	56
y	45	78	60	50	50	78

Q4 A   Doctor has recommended his patient to purchase two food packets F1 & F2 which contains   8 Marks
two types of nutrients proteins & vitamins. 1 packet of F1 contains 10 gm of proteins & 10 gm
of vitamins. 1 packet of F2 contains 10 gm of proteins & 20 gm of vitamins. Minimum daily
requirement of protein is 200 gm & vitamins is 300 gm. The cost required to purchase 1
packet of F1 is Rs.45 & 1 packet of F2 is Rs. 40.
Formulate the above problem as LPP & solve by graphical method.

Q4 B   A sample of 10 pairs of observation of x & y lead to the following result.   7 Marks
$\sum x = 100$, $\sum y = 80$, $\sum y^2 = 1300$, , $\sum xy = 300$ Find the regression equation of x on y
& hence find the value of x when $y = 12$

<div align="center">OR</div>

Q4 P   Calculate lower quartile, upper quartile, quartile deviation & coefficient of quartile deviation   8 Marks
of the data given below

Monthly sale in '000 Rs.	23-25	25-27	27-29	29-31	31-33
Number of shops	40	50	80	60	20

Q4 Q   The following data represent marks scored by 25 students in Statistics. Classify the following   7 Marks
data by taking classes 10-20,20-30,30-40 & so on & hence find its median
18,22,38,48,39,37,24,23,19,17,27,54,30,50,46,34,23,17,25,36,57,43,32,25,28

Q5 A   Discuss various types of bar diagram with suitable example of each.   8 Marks
Q5 B   With suitable example explain the steps to formulate given problem as LPP.   7 Marks

<div align="center">OR</div>

Q5   **Write Short Notes On (any 3)**   15 Marks
1   Pie diagram
2   Histogram
3   Meaning of correlation & its various types
4   Advantages of Sampling
5   Range & Coefficient of range

M.L.DAHANUKAR COLLEGE COMMERCE
EXTERNAL EXAMINATION –April 2023
FYBFM SEM II
SUBJECT :Computer Skill I

Marks:75

Date & Time : 10th April, 2023 11:30am to 2:00pm

Q1A) **True or False (any 8 out 0f 10)**   **8 marks**
1. Computer is very high speed electronic device
2. The computer's accuracy is always low.
3. A computer always has single memory called primary memory.
4. The electronic component in modern computer have very low failure rate.
5. Communication is most important disadvantages of computer system.
6. Computer's first generation invented in mid 1930.
7. Insert menu used to create chart in Ms-word.
8. Ms-excel is made of Row and Column.
9. If we want to write the formula in Ms-excel then "=" symbol used in end of formula.
10. Full form of IC's is internet Chip.

Q1B) **Fill in the Blanks (any 7 out 0f 10)**   **7 marks**
1. C and Cobol is _____ programming Language.
2. In computer structure _____ replaced by the transistor.
3. Full form of AI is _____.
4. _____ type of computer is used by NASA and ISRO for space discovery.
5. _____ type of computer wired in air-conditioned room.
6. _____ is full form of PDA.
7. _____ part of computer can be touch and see.
8.. _____ option is available in Ms-word for creating a new document.
9. _____ is a shortcut in Ms-word for copy operation.
10. In Ms-excel by default _____ number of sheet available.

Q2 A	Write a short note on characteristics of computer.	8 Marks
Q2 B	Define the computer and explain super computer?	7 Marks

<div align="center">OR</div>

Q2 P	What is computer and explain following computer generation
	   1. First Generation
	   2. Second Generation
		8 Marks

Q2 Q	Write a short note on computer parts.	7 Marks

Q3 A	Explain following input devices
	   1. Keyboard
	   2. Mouse
		8 Marks

Q3 B	What is a meaning of output device? Explain any in two in brief.	7 Marks

<div align="center">OR</div>

Q3P	Write a short note on internet?	8 Marks
Q3 Q	What is meaning of internet telephony.	7 Marks

Q4 A	What is windows operating system? Explain its features?	8 Marks

Q4 B	Write a short note on following
	   1. Task bar
	   2. My computer
		7 Marks

<div align="center">OR</div>

Q4P	Discuss following concept	8 Marks
	1. Recycle Bin	
	2. My document	
Q4 Q	Explain how to use WordArt tool in Ms-Word?	7 Marks
Q5 A	Explain following formula with example	8 Marks
	1. Vlookup	
	2. Hlookup	
	3. Mid	
	4. Sum	
Q5 B	Write a short note on creating chart in Ms-excel.	7 Marks

OR

Q5   **Write Short Notes On (any 3)**   **15 Marks**

1   Fifth generation computer
2   Mainframe computer
3   Computer Memory
4   Email.
5   Instant messaging