



**1<sup>st</sup> Semester End Term Examination: Feb - 2023.**

**Subject : Environmental Science**  
**Course : B.COM (Hons.)**  
**Full Marks : 70**  
**Roll No: .....**  
**Time : 3 Hours.**

**Instructions to the Candidates:**

- Read the question paper very carefully.
- Start writing from 2nd page onwards; Don't Write On The 1st Page Backside.
- Question Paper is divided into Three Parts -A, B & C.
- Part-A is containing 12 multiple choice questions.
- Part- B containing SIX questions out of which FOUR questions are to be answered.
- Part C containing FOUR questions out of which TWO questions are to be answered.
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**PART - A**

**Multiple Choice Questions**

[12x1=12]

1. i) Which statement is correct with respect to the food chain?
- a) Every component of food chain forms trophic level
  - b) Inter-relation between different food chains is known as a food web
  - c) All the chains formed by nutritional relations are used to understand energy flow.
  - d) All of the above
- ii) The main objective of family welfare programme is
- a) Population control
  - b) Disease control
  - c) Both a and b
  - d) None of the above
- iii) Which one of the following is not a renewable energy source?
- a) Solar
  - b) Coal
  - c) Wave
  - d) Wind

iv) Which of the following processes is used through during municipal solid waste in a properly designed furnace under suitable temperature and operating conditions?

- a) Sanitary landfills
- b) Incineration
- c) Composting
- d) Pyrolysis

v) Some sources are much more difficult to monitor and control. These are

- a) Point sources
- b) Non-Point Sources
- c) Other sources
- d) None of the above

vi) Burning of fossil fuels

- a) Increases oxygen level
- b) Increases greenhouse gases
- c) Decreases greenhouse gases
- d) None of these

vii) Deforestation during the recent decade has led to

- a) Soil Erosion
- b) Landslide
- c) Loss of Biodiversity
- d) All of these

viii) Which of the following is the first mobile application service in India to provide a current and advanced forecast for air quality?

- a) Air Quality Index
- b) SAFAR
- c) NEMMP
- d) NAAQS

ix) A hydrosphere is

- a) The domain of water
- b) Comprises all forms of water below
- c) It covers 70% of Earth's surface
- d) All of the above

x) Which of the following are priority areas in relation to the Sustainable Development Goals?

1. No poverty 2. Zero hunger 3. Reducing Urbanisation 4. Peace, justice and strong institution Choose the correct answer from the options given below:

- a) (1), (2)
- b) (1), (3), (4)
- c) (2), (3), (4)
- d) (1), (2), (4)

xi) Kyoto Protocol is related to

- a) Climate change
- b) Hazardous waste
- c) Ozone depletion
- d) Nuclear energy

xii) In which of the following layers of the atmosphere, ozone gas is present?

- a) Troposphere
- b) Stratosphere
- c) Exosphere
- d) Both a & b

### PART - B

**Answer any FOUR out of SIX**

2. Define Ecosystem. Elaborate different types of ecosystem.

3. Write short note on Consumer Protection Act, 1986

[4x7=28]

4. Population growth has created lot of problems for the public as well as for the government. Give your views on the statement.

5. Differentiate between:

- a) Biodegradable Wastes vs Non-Biodegradable Wastes
- b) Biotic Component vs Abiotic Component

6. Explain various Environmental issues that we all are facing these days with suggested solutions.

7. Explain air pollution and its causes. Also explain the measures to be taken to control air pollution.

### PART - C

**Answer any TWO out of FOUR**

[2x15=30]

8. Write a short note on various International Agreements signed by India in order to protect natural resources as well as Environment as concern.

9. Family welfare includes not only planning of births, but the welfare of whole family by means of total family health care. Do you agree with the given statement. If yes, explain why? If No, explain why not?

10. What is Biodiversity Conservation? Explain its various methods.

11. What do you mean by sustainable development? Explain SDGs issued by UN.



**ARKAJAIN**  
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PART - A

Multiple Choice Questions

[12x1=12]

1. i) Law of demand must fail in case of:
- a) Normal Goods
  - b) Giffen Goods
  - c) Inferior Goods
  - d) None of these
- ii) Elasticity is greater than unity for:
- a) Necessaries Goods
  - b) Luxuries Goods
  - c) Complementary Goods
  - d) Comforts Goods
- iii) Want satisfying power of a commodity is called:
- a) Consumption
  - b) Utility
  - c) Production
  - d) Value addition
- iv) When total product is maximum then marginal product is:
- a) Decreases
  - b) Increases
  - c) Zero
  - d) All of these

7. When price of a good is Rs.5, the consumer buys 20 units of that good. When price change to Rs.7, the quantity purchased changes to 12 units. Calculate the price elasticity of demand, using percentage - change method.

PART - C

Answer any TWO out of FOUR

[2x15=30]

8. Explain perfect competition market. What are the characteristics of perfect competition market? In what way does it differ from monopoly?
9. What is elasticity of demand? Explain the three methods of measuring elasticity of demand?
10. Discuss the different types of long run supply curves in the perfect competition market.
11. Explain the meaning and main features of monopolistic market situation.

- a) The law of variable proportions  
b) Returns to scale  
c) Both a and b  
d) None of these

- vi) Fixed costs are also known as:  
a) Overhead costs  
b) Indirect cost  
c) Supplementary cost  
d) All of these

vii) In which kind of market, a firm is a price taker?

- a) Perfect competition  
b) Monopoly  
c) Monopolistic competition  
d) Oligopoly

viii) A firm can earn super normal profits even in the long run under:

- a) Perfect competition  
b) Monopoly  
c) Monopolistic competition  
d) All of these

ix) If demand for a product fall, equilibrium price will:

- a) Rise  
b) Fall  
c) Both a and b  
d) All of these

x) Under monopoly, a firm has:

- a) Partial control over price  
b) Full control over price  
c) No control over price  
d) None of these

xi). Supply is more elastic in case of:

- a) Very short period  
b) Short period  
c) Long period  
d) All of these

xii) What does break-even point indicate?

- a)  $TR > TC$   
b)  $TR < TC$   
c)  $TR = TC$   
d) None of these

PART - B

Answer any FOUR out of SIX

[4x7=28]

2. Explain economies and diseconomies of scale.
3. What is the law of demand. Also explain exceptions to the law.
4. Explain the law of variable proportions with the help of three stages.
5. Why is a Firm under perfect competition a price-taker and not a price maker?
6. Discuss the meaning and main features of oligopoly market? Explain.



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**1<sup>st</sup> Semester End Term Examination: Feb - 2023.**

**Subject : BUSINESS LAW**  
**Course : B.Com (Hons.)**  
**Full Marks : 70**  
**Roll No: .....**  
**Time : 3 Hours.**

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PART - A

Multiple Choice Questions

[12x1=12]

- i) In which of the following cases is a contract not voidable at the option of the party whose consent was so caused
  - a) When the consent was caused by coercion
  - b) When the consent was caused by misrepresentation
  - c) When the consent was caused by silence but the party had the means of discovering
  - d) The truth
- ii) Agreement to do an impossible act is
  - a) Voidable at the option of the promisor
  - b) Void
  - c) Valid
  - d) Voidable at the option of the promisee

PART - B

[4x7=28]

Answer any FOUR out of SIX

2. When is consent considered to be free?
3. What are Voidable Agreements?
4. What are the rights of a partner?
5. Write short notes on Negotiable Instruments?
6. What is the difference between cheques & Bills of Exchange?
7. What are Quasi Contracts?

PART - C

Answer any TWO out of FOUR

[2x15=30]

8. What are the essential features of a valid contract?
9. What is the crossing of cheques? What is the difference between general & special crossing?
10. Explain the duties of an agent? What are his rights against the Principal?
11. What is Condition & Warranty? Explain the different types of Conditions & Warranty.

iii) Which of the followings are not the Negotiable Instruments as defined by the Statute?

- a) Banker's Note
  - b) Promissory Note
  - c) Bill of Exchange
  - d) Cheques
- iv) A contracts to pay B a sum of money when B marries C. C dies without being married to B.
- a) The contract still can be forced
  - b) The contract becomes void
  - c) Either a or b
  - d) None of these
- v) In partnership, partners liabilities are-
- a) Unlimited
  - b) Limited to the capital of the business
  - c) Limited
  - d) Both a and c

vi) No partnership agreement, what will be the percentage of profit sharing ratio between them?

- a) Unequal
- b) Equal
- c) It will depend on the experience of a partner
- d) None

vii) 'Goods' within the meaning of section 2(7) of the Sale of Goods Act, 1930 includes

- a) Actionable claim
  - b) Money
  - c) Both a and b
  - d) Neither a nor b.
- viii) The word "Property" in the Sale of Goods Act, 1930 means
- a) Seller or transferor
  - b) Buyer or purchaser
  - c) Goods or subject matter
  - d) Ownership or title

ix) A consumer is a person who

- a) Buys any goods
- b) Avails any service
- c) Uses the goods with approval
- d) All of above

x) A contingent contract is \_\_\_\_\_

- a) Void
- b) Voidable
- c) Valid
- d) Illegal

xi) Which of the following fall in the category of contingent contract?

- a) Contracts of insurance
- b) Sale of goods on credit
- c) Partnership contract
- d) None

xii) Undue influence involves

- a) Use of position to obtain
- b) Use of physical pressure

an unfair advantage over the other

- c) A threat.
- d) None



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**1<sup>st</sup> Semester End Term Examination: Feb - 2023.**

**Subject : Management Principles & Applications**      **Roll No: .....**

**Course : B.Com (Hons.)**

**Full Marks : 70**      **Time : 3 Hours.**

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PART - A

Multiple Choice Questions

[12x1=12]

- 1 i) An .....is a structured social system consisting of groups and individuals working together to meet some common agreed upon objectives.
- a) Organization
  - b) Company
  - c) Planning
  - d) Group
- ii) As one moves up in the organization, he requires .....more while at the top level, conceptual skills are more important.
- a) Technical skills
  - b) None of them
  - c) Human skills
  - d) All of them
- iii)..... means- Organizations should strive to promote team spirit and unity.
- a) Initiative
  - b) Equity
  - c) Esprit de Corps
  - d) None of the above

iv)..... facilitates Managers and Administrators of any business or industrial unit to make progress as per the needs of the desired objectives

- a) Staffing
- b) Organizing
- c) Planning
- d) All of the above

v) The ..... is one where employees are grouped together, according to their area of specialization.

- a) Functional structure
- b) Project structure
- c) Divisional structure
- d) Matrix

vi) ..... is the father of scientific Management theory.

- a) Elton Mayo
- b) Fayol
- c) F. W. Taylor
- d) None of them

vii)..... involves the process of filling the vacant position of the right personnel at the right job, at right time.

- a) Staffing
- b) Selection
- c) Selection
- d) All of the above

viii)..... is the obligation of a subordinate to perform a duty, which has been assigned to him by his superior.

- a) Responsibility
- b) Authority
- c) HRA
- d) Management

ix)..... motivation comes from a person's internal desire to do something.

- a) Intrinsic
- b) Extrinsic
- c) Equity
- d) Loyalty

x)..... planning involves identifying alternative courses of action that can be implemented if and when the original plan proves inadequate because of changing circumstances.

- a) Contingency
- b) Authority
- c) Tactical
- d) All of the above

xi) ..... begins with an organization's mission.

- a) Strategic planning
  - b) Tactical plan
  - c) Operational planning
  - d) None of the above
- xii) An ..... is a result of the organizing process.
- a) Organization
  - b) Planning
  - c) Management
  - d) Organization structure

## PART - B

### Answer any FOUR out of SIX

[4x7=28]

2. Discuss the different elements of Directing.

3. Differentiate between:

- a) Unity of command & unity of direction
- b) Functional & Divisional structure

4. Discuss the importance of organising process in management domain.

5. Define the term management? Explain the Importance and Significance Of Management.

6. Briefly explain the different steps involved in Staffing Process.

7. Define Leadership? Discuss the different types of leaders.

## PART - C

### Answer any TWO out of FOUR

[2x15=30]

8. Differentiate between:

- a) Centralisation & Decentralisation
- b) Formal & Informal communication
- c) Training & Development

9. Write short notes on:

- a) Performance Appraisal
- b) Hawthorne Experiments

c) Different types of communication

10. Discuss Features & Limitations of planning.

11. Write short note on:

- a) Maslow's Hierarchy of Needs Theory
- b) Authority, Accountability & Responsibility
- c) Recruitment & Selection



11. Bharat stores ltd. Agra has a branch at Kanpur. Goods are invoiced to the branch at selling price being cost Plus 25%. The branch keep its own sales ledger and deposits all cash received only to the credit of the head office account in a bank at Kanpur. All expenses are paid by cheque from Agra. From the following details. Prepare a Branch account in the Head office books and made necessary adjustments therein to arrive at actual the Branch profit or loss for the year 2020-21.

Stock, 1st April, 2020	Rs. 7500
Debtors, 1st April, 2020	Rs. 4200
Goods sent by Head office	Rs. 54,600
Rent and Taxes	Rs. 2400
Sundry charges	Rs. 480
Wages paid	Rs. 2040
Cash sales for the year	Rs. 32,400
Cash received from Debtors	Rs. 19,800
Stock, 31st March 2021	Rs. 9,000
Credit Sales	Rs. 21,000



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**1st Semester End Term Examination: Feb - 2023.**

**Subject** : Financial Accounting **Roll No:** .....  
**Course** : B. Com (Hons.)  
**Full Marks** : 70 **Time** : 3 Hours.

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**PART - A**

**Multiple Choice Questions**

[12x1=12]

1. i) Which concept is theoretically opposite to cash basis of accounting?
- Dual aspect
  - Accrual
  - Consistency
  - None of these
- ii) Assets are recorded in the books of account at their acquisition price and not at the realizable value'. Which concept says so?
- Money measurement
  - Historical Cost
  - Prudence
  - Accrual
- iii) Short workings account is which type of account?
- Real
  - Nominal
  - Personal
  - None of these
- iv) If Royalty is Rs. 10,000 and Minimum Rent is 8,000, what is the difference called in the books of lessee?
- Deficit
  - Surplus
  - Loss
  - All of these

- v) All branch expenses such as rent, salary are paid by head office in case of?
- Independent branch
  - Dependent branch
  - Local branch
  - Foreign branch
- vi) Which account is prepared to find out the amount of closing stock?
- Head office account
  - Branch account
  - Memorandum stock A/c
  - None of these
- vii) Which account is prepared to find out the amount of Credit sales?
- Creditor account
  - Debtor account
  - Stock account
  - Branch account
- viii) Invoice price means?
- Sale price minus cost price
  - Cost price minus sale price
  - Cost price plus profit
  - Cost price less Loss
- ix) In hire purchase system cash price plus interest is known as
- Book value of Asset
  - Capital value of Asset
  - Hire purchase price of Asset
  - All of these
- x) In Garner v. Murray, the deficiency of the insolvent partners is borne by other partners in the
- Gaining ratio
  - Capital ratio
  - old ratio
  - New ratio
- xi) Income and Expenditure account is a :
- Real account
  - Personal account
  - Nominal account
  - All of these
- xii) Outstanding subscription account is shown in balance sheet of:
- Liabilities side
  - Assets side
  - Both side
  - None of these

### PART - B

[4x7=28]

#### Answer any FOUR out of SIX

- Discuss the various types of Royalty? Explain.
- What is Branch Accounting? Discuss the various types of Branches.
- Explain differences between Receipt and payment account and Income and Expenditure account.
- As per Receipt and Payment account for the year ended on March 31, 2020, the subscription received were Rs. 5,00,000. Additional information given is as follows:
  - Subscription Outstanding on 01.04.2019 Rs.1,00,000
  - Subscription Outstanding on 31.03.2020 Rs.70,000
  - Subscription received in advance as at 01.04.2019 Rs. 50,000
  - Subscription received in advance as at 31.03.2020 Rs. 60,000
 Ascertain the amount of income from subscription for the year 2019-2020.
- A Ltd. purchased a machine on Hire purchase system on 1st Jan 2018 from the machinery stores. He paid Rs 1500 down, Rs 1400 at the end of the 1st year, Rs 1300 at the end of second year, Rs 1200 at the end of third year and Rs 1100 at the end of the fourth year. Instalments include int. at 10% p.a. on the cash price of the machine. Ascertain cash price.

7. On 1st April, 2015 Goodluck Limited leased a coal mine at a minimum rent of 36,000 for the first year, 60,000 for second year and there after 1, 20,000 per annum merging into a royalty of Rs.3 per tonne with right to recoup short workings over two years after occurring short workings. The output for the years is as follows:

YEAR	1	2	3	4
Coal (output) in tons	6000	17200	44000	100,000

You are required to prepare Royalty Account, Short workings Account and Landlord's Account in the books of Goodluck Ltd.

### PART - C

#### Answer any TWO out of FOUR

[2x15=30]

- What is the meaning of the insolvency of a partner? State the facts and decision of the court of Garner Vs. Murray case. Is Garner vs. Murray rule applying in India? Explain.
- Explain Hire-purchase system? Explain necessary journal entries in the books of Hire-Purchaser and Hire-Vendor under Hire-purchases system.
- The following is the balance sheet of P, Q and R. on March 31, 2019

Liability	Amount	Assets	Amount
Creditors	2,00,000	Cash	60,000
General Reserve	1,50,000	Sundry Debtors	1,00,000
Capital :-		Stock	2,00,000
P: 25,000		Furniture	1,00,000
Q: 15,000	4,00,000	Machinery	2,00,000
		R's capital	90,000

R is insolvent but his estate pays Rs 20,000. It is decided to wind up the partnership. The assets realized as follows: sundry debtors, Rs 75000; stock, Rs 1,60,000 furniture, Rs 70,000; and machinery, Rs 1,40,000. The cost of winding up came to Rs 25,000. Prepare necessary accounts to close the books of the firm according to Garner Vs. Murray rules if the capitals are fluctuating.