ST. PBN PUBLIC SCHOOL, GURUGRAM
CLASS XI
SAMPLE PAPER (UT-2)
SUBJECT – ENGLISH

TIME: 2 HRS   **MM: 50**

GENERAL INSTRUCTIONS:

1. **All questions are compulsory.**
2. **Read all instructions carefully.**

Q1. Read the following passage carefully: **(10 Marks)**

1. The ocean is an integral part of Earth's biosphere, covering more than 70% of its surface. It regulates global climate, provides a home for diverse marine life, and serves as a critical source of food and oxygen. However, the ocean faces numerous threats, including pollution, overfishing, and climate change.

2. Plastic pollution is one of the gravest challenges. Millions of tons of plastic waste enter the ocean annually, endangering marine species and damaging ecosystems. Sea turtles often mistake plastic bags for jellyfish, while seabirds ingest small plastic pieces, causing internal injuries and starvation.

3. Overfishing disrupts the balance of marine ecosystems. Unsustainable fishing practices, such as trawling and the use of massive nets, deplete fish populations and harm other marine organisms. The extinction of certain species can have cascading effects throughout the ecosystem.

4. Rising sea temperatures and ocean acidification, resulting from increased greenhouse gas emissions, threaten coral reefs and other marine habitats. Coral bleaching, a process where corals lose their vibrant color and become vulnerable to death, is a direct consequence of this phenomenon.

5. Organizations and governments worldwide are implementing measures to combat these challenges. Beach clean-up drives, stricter fishing regulations, and reduced carbon emissions are critical steps toward ensuring a sustainable future for our oceans.

Questions:

(i) Which of the following is the primary focus of the passage?

(a) The benefits of oceans in our lives

(b) The threats to oceans and their ecosystems

(c) The importance of marine tourism

(d) The process of coral bleaching

(ii) According to the passage, what do sea turtles often mistake for jellyfish?

(a) Fishing nets

(b) Plastic bags

(c) Coral fragments

(d) Small plastic bottles

(iii) What does the term "unsustainable fishing practices" refer to?

(a) Fishing with small nets

(b) Fishing practices that damage marine ecosystems

(c) Catching fish with traditional methods

(d) Fishing in freshwater bodies

(iv) Identify the word from Para 2 that means "causing severe harm or suffering."

(a) Endangering

(b) Disrupting

(c) Cascading

(d) Acidification

(v) Select the option that correctly relates to marine pollution's impact as per the passage:

(a) Marine pollution increases coral reef growth.

(b) Marine pollution harms marine life and damages ecosystems.

(c) Marine pollution boosts fishing practices.

(d) Marine pollution makes the ocean warmer.

(vi) Why is overfishing described as harmful in the passage?

(a) It affects freshwater ecosystems.

(b) It leads to an abundance of fish populations.

(c) It disrupts marine ecosystems and causes species extinction.

(d) It increases ocean acidity.

(vii) Which word in the passage refers to a harmful process affecting corals?

(a) Bleaching

(b) Overfishing

(c) Plastic

(d) Habitat

(viii) What measures are being taken to protect oceans, as mentioned in the passage?

(a) Eliminating fishing altogether

(b) Encouraging coral bleaching

(c) Reducing carbon emissions and stricter regulations

(d) Introducing more fishing activities

(ix) What is the primary reason for rising sea temperatures, as per the passage?

(a) Plastic pollution

(b) Increased greenhouse gas emissions

(c) Coral reef expansion

(d) Overfishing

(x) Which of the following can be inferred from the passage?

(a) The health of oceans directly impacts global biodiversity.

(b) Ocean pollution benefits marine life.

(c) Coral reefs thrive in warmer waters.

(d) Overfishing does not harm marine ecosystems.

Q2. Ramesh Gupta, residing at 48 Green Avenue, Chandigarh, wants to rent out his 3-BHK apartment in Sector 22, near the city center. Draft a suitable classified advertisement in not more than 50 words. (5 Marks)

Q3. Write a speech to be delivered during the morning assembly on the topic "The Role of Youth in Nation-Building." You are Aditya/Ananya. (10 Marks)

Q4. Rearrange the following words or phrases to form meaningful sentences: **(5 Marks)**

(a) is / never / too / late / it / start / to

(b) our / valuable / air / trees / to / atmosphere / are

(c) the / choose / career / wisely / future / our / shapes

(d) sharing / makes / life / joy / beautiful / and / caring

(e) process / learning / throughout / a / life / is

Q5. Fill in the blanks with correct tense forms of the verbs given in brackets: **(4 Marks)**

(a) She _____ (visit) her grandparents every summer.

(b) The train _____ (depart) from the station 10 minutes ago.

(c) By the time we reached, the meeting _____ (end).

(d) The students _____ (prepare) for their exams all week.

(e) He _____ (work) in this company since 2015.

(f) They _____ (plan) to go on a vacation next month.

(g) She _____ (read) a book when I entered the room.

(h) He _____ (not finish) his homework yet.

Q6. Read the extract and answer the questions that follow: **(4 Marks)**

"I do not understand this child
Though we have lived together now
In the same house for years. I know
Nothing of him, so try to build
Up a relationship from how
He was when small."

Questions:

1. What does the speaker express about his relationship with the child?

2. What does the speaker mean by "I know nothing of him"?
3. Why does the speaker mention "how he was when small"?
4. What theme of the poem is highlighted in this extract?
5. Name the poem and the poet.

Q7. Answer the following questions in 30–40 words (any four): **(12 Marks)**

1. How does the chapter *"Discovering Tut"* highlight advancements in technology?
2. Why did the narrator feel awkward while entering *The Address*?
3. What did Mrs. Fitzgerald say about taking control of one's family in *Mother's Day*?
4. Explain why the poet in *Father to Son* feels disconnected from his child.
5. What do you think made Rajendra realize that facts can be stranger than fantasies?

ST. PBN PUBLIC SCHOOL
UNIT TEST-II : SAMPLE PAPER
CLASS-XI
ACCOUNTANCY

Time: 2Hrs   **MM: 50**

GENERAL INSTRUCTIONS:
- Answer all questions. Internal choice is given in some questions.
- All parts of the questions should be attempted at one place.
- Each question carries marks indicated against it.

1. State whether the statement is True or False: (1)
    Suspense Account always shows debit balance.

2. Depreciation charged at the end of the year will be debited to: (1)
    (a) Asset A/c   (b) Purchases A/c
    (c) Goods A/c   (d) Depreciation A/c

3. Bank Overdraft means a _____ balance in pass book.   (1)

4. Wages paid for erection of machinery are debited to
(a) Wages A/c   (b) Machinery A/c
(c) Trading A/c   (d) Profit & Loss A/c   (1)

5. Why is it incorrect to head the Profit & Loss Account as at 31st March,   2023?   (1)

6. **Assertion (A):** "Revenue expenditure is shown in the Trading & Profit and Loss Account."
Reasoning (R): "Capital expenditure is shown in the Balance Sheet."   (1)
(a) Both A and R are true and R is the correct explanation of A
(b) Both A and R are true, but R is not the correct explanation of A.
(c) A is true, but R is false.
(d) A is false, but R is true.

7. Give a formula to calculate 'Cost of Goods sold.'   (1)

8. State whether the statement is True or False: (1)
    Depreciation is the process of valuation of an asset.

9. **Match the following :-**   (1)
    Column A   **Column B**

i. Salaries & Wages   (a) Balance Sheet
ii. Patents   (b) Contingent Liabilities
iii. Wages & Salaries   (c) Profit & Loss A/c
iv. Liabilities for bill discounted   (d) Trading A/c

10. Credit sales to Raghu Rs. 10,000 were recorded in purchases book. In rectifying entry Raghu's A/c will be:

(a) Debited by Rs. 10,000   (b) Credited by Rs. 10,000

(c) Debited by Rs. 20,000   (d) Credited by Rs. 20,000

OR (1)

Give one point of importance of bank reconciliation statement.

11. Bank Reconciliation Statement is prepared on:

(a) At the end of each month   (b) At the end of the year

(c) On a certain date   (d) Before the preparation of final accounts   (1)

12. **Assertion (A):** At the time of charging depreciation, asset account is credited and depreciation account is debited.

Reason (R): Depreciation is an expense for the business and reduces the value of machinery.

(a) Both A and R are true and R is the correct explanation of A

(b) Both A and R are true, but R is not the correct explanation of A.

(c) A is true, but R is false.

(d) A is false, but R is true.

OR (1)

Distinguish between Capital Receipts and Revenue Receipts.

13. Give three advantages of Diminishing balance method of providing depreciation.(3)

14. While preparing Bank Reconciliation Statement from the debit balance of the Pass Book indicate whether the following items will be written in Plus or Minus Column.

(i) Insurance premium paid by the bank.

(ii) Interest and dividend collected by the bank.

(iii) Cheques deposited into the bank but not yet cleared. (3)

15. a) Following information was taken from an income statement:

Opening Stock Rs.5,000; Sales Rs. 16,000; Carriage inwards Rs. 1,000; Sales Return Rs.1,000; Gross Profit Rs.6,000; Purchases Rs.10,000; and Purchases Return Rs.900. Calculate closing stock and Cost of Goods Sold.

b) Calculate gross profit from the following information:

Net Sales Rs.9,00,000

Gross Profit is 20% on cost.

OR (3)

Distinguish between Trial Balance and Balance Sheet by giving proper basis of difference.

16. Rectify the following errors: (3)

(i) A discount of Rs. 581 allowed to a customer has been credited to him as Rs. 562.

(ii) Furniture amounting to Rs. 6,500 purchased on credit from Quality Furniture Co. An entry for Rs. 5,600 was passed in the purchase book.

(iii) An item of Rs. 5,000 relating to prepaid insurance account was omitted to be brought forward from the previous year's books.

17. Read the following hypothetical Case Study and answer the given questions:
(4)
Arya Ltd. has a manufacturing plant in Delhi. On 1st July, 2021, Arya Ltd purchased a machine for Rs. 1,08,000 and spent Rs. 12,000 on its installation. At the time of purchase, it was estimated that the effective commercial life of the machine will be 12 years after which its salvage value will be Rs. 12,000. The machinery is such that the possibility of obsolescence is low and do not require much repair expenses with passage of time. The accounts are closed on 31st December every year.

i. Which method should be used by Arya Ltd. to charge depreciation?
ii. Why should depreciation be charged on the manufacturing plant of Arya Ltd?
(a) For matching of costs and revenue.
(b) To comply with law
(c) To reflect true and fair financial position
(d) All of the above
iii. What is the original cost of the asset on which depreciation is to be charged?
(a) Rs. 1,00,000   (b) Rs. 12,00,000
(c) Rs. 10,00,000   (d) Rs. 1,20,000
iv. What is the amount of depreciation charged in the first year?
(a) Rs. 4,000   (b) Rs. 4,500
(c) Rs. 5,500   (d) Rs. 5,000

18. You are presented with a trial balance showing a difference, which has been carried to Suspense Account and the following errors are revealed:
 (a) Goods amounting to Rs. 660 sold to W, were correctly entered in the Sales Book but posted to W's Account as Rs. 760. The total sales for the month were overcast by Rs 1,000.
(b) Goods worth Rs. 130 returned by G, were entered in the Sales Book and   posted therefrom to the credit of G, personal account .
 (c) Sales return book was overcast by Rs. 100. Journalise the necessary corrections and raise Suspense Account, assuming that there are no other errors.
OR   (4)
    From the following information, prepare Bank Reconciliation Statement as on 31st March, 2016:

(i) Bank overdraft as per Cash Book Rs. 1,70,000.
(ii) Directly deposited into the bank by Sudhir (Customer) Rs. 12,000.
(iii) Cheques issued but not presented for payment Rs. 83,000.
(iv) Cheques entered in Cash Book but not banked Rs. 42,000.

19. On 31st December, 2016, Pass Book shows a debit balance (overdraft) of Rs. 10,000. From the following particulars, prepare a Bank Reconciliation Statement:

(a) Cheques amounting to Rs. 8,000 drawn on 25th December, of which cheques of Rs. 3,000 were cashed within 31st December.
(b) Cheques paid into the bank for collection Rs. 50,000 but cheques of Rs. 22,800 were credited on 2nd January, 2017.
(c) Items unticked in the pass book are:-
    (i) Incidental charges Rs. 25.
    (ii) Dividend collected by bank on our behalf Rs. 350.
(d) A cheque for Rs. 600 debited in the cash book omitted to be banked.
(e) A cheque of Rs. 750 banked and credited, but omitted to be recorded in the cash book.

(6)

20. ABC Ltd. purchased on 1st April, 2017, a plant for Rs. 1,00,000. On 1st October, 2017, an additional plant was purchased costing Rs. 50,000. On 1st October, 2018 the plant purchased on 1st April, 2017, having become obsolete, was sold for Rs. 40,000. The company writes off depreciation at 10% p.a. on the Straight Line Method on 31st March each year. Show the Machinery A/c and Provision for Depreciation A/c for all the three years. (6)

21. From the following balances of the Ledger of Sh. Ram Prasad, prepare Trading and Profit & Loss A/c for the year ended 31st March, 2022 and a Balance Sheet as at that date.

Particulars	Amount (Rs.)	Particulars	Amount (Rs.)
Carriage on Goods Purchased	8,000	Cash In Hand	2,500
Carriage on Goods Sold	3,500	Banker's A/c (Cr.)	30,000
Manufacturing Expenses	42,000	Motor Car	60,000
Advertisement	7,000	Drawings'	8,000
Freight	9,600	Audit fees	2,700
Lighting	6,000	Plant	1,53,900
Customer's A/c	80,000	Repairs to Plant	2,200
Supplier's A/c	61,000	Stock at the end	76,000
Postage	800	Purchases less Returns	1,60,000
Fire Insurance Premium	3,600	Commission on	
Patents	12,000	Purchases	2,000
Income Tax	24,000	Incidental Trade Exp.	3,200
Office Expenses	7,200	Investments	30,000
		Interest on Investments	4,500
		Capital A/c	1,00,000
		Sales less Returns	5,20,000
		Rent	12,000
		Discount Paid	2,700
		Discount on Purchases	3,400

OR (6)

From the following balances of the Ledger of Sh. Murli Manohar & Sons, prepare Trading and Profit & Loss A/c for the year ended 31st March, 2019 and a Balance Sheet as at that date. Stock in hand on 31st March, 2019 was Rs. 56,000.

Name of Accounts	Dr. Balances (Rs.)	Cr. Balances (Rs.)
Stock at Commencement	15,320	
Purchases and Sales	1,00,000	1,20,000
Returns	2,200	3,000
Drawings and Capital	10,000	1,30,000
Cartage	2,200	
Factory heating and lighting	6,600	
Works expenses	15,200	
Rent Received		7,300
Cash at Shop	800	
Accounts Receivable		
Kapil	8,000	
Jadega	5,000	
Yadav	1,500	
Accounts Payable		
Parbhakar		16,000
Tendulkar		7,540
Horses and Carts	25,000	
B/R and B/P	10,000	2,120
Rent paid	15,000	
Fire Insurance Premium	4,800	
Life Insurance Premium	6,000	
Bank Overdraft		67,000
Bank Interest	2,400	
Telephone Expenses	3,000	
Advertisement Expenses	5,200	
Salaries and Wages	32,240	
Freehold Property	81,000	
Audit Fees	1,500	
	3,52,960	3,52,960

ST. PBN PUBLIC SCHOOL, GURUGRAM
CLASS XI
SAMPLE PAPER (UT-2)
SUBJECT – BUSINESS STUDIES

TIME: 2 Hours   **MM: 50**

General Instructions:
1. This Question Paper contains 19 Questions.
2. This Question Paper contains 10 Questions of 1 Mark each.
3. This Question Paper contains Short Answer Type I Questions carrying **3 Marks** each to be answered in 60 to 80 words.
4. This Question Paper contains Short Answer Type II Questions carrying **4 Marks** each to be answered in 80 to 100 words.
5. This Question Paper contains Long Answer Type Questions carrying **6 Marks** each to be answered in 100 to 150 words.
6. Attempt all parts of the Questions together.
7. There is no overall choice. However, an internal choice is provided in few Questions.

1.	Who controls the company?	(1)

(a)	Debenture holder	(b)	Employees
(c)	Shareholders	(d)	None of the above

2.	Give any two characteristics of SSI.	(1)

3.	Which of the following is a short-term source of finance?	(1)

(a)	shares	(b)	trade of credit
(c)	debentures	(d)	all of these

4.	Retailer who sell the goods in weekly markets are known as:	(1)

(a)	cheap jacks	(b)	hawkers
(c)	periodic market traders	(d)	pavement vendors

5.	A manufacturing enterprise having capital investment in plant and machinery upto ₹ 5 crore is called:	(1)

(a)	Micro enterprise	(b)	Small enterprise
(c)	Medium enterprise	(d)	Large enterprise

6.	Chairperson of the GST council is:	(1)

(a) President	(b) Finance Minister
(c) Prime Minister	(d) None of these

7.	Match the statement given under **Column II** with the correct options under **Column I** and choose the correct alternative given below.	(1)

	Column-I		Column-II
A.	Owners' fund	**(i)**	Such shares enjoy priorities regarding the payment of dividend at a fixed rate and return of the investment
B.	Borrowed funds	**(ii)**	Part of profit which is kept as reserve for use in the future
C.	Preference shares	**(iii)**	Debentures
D.	Retained earning	**(iv)**	Accumulated profits that they have reinvested in the business.

Alternatives:

(a) A-(i), B-(ii), C-(iii), D-(iv)	(b) A-(iv), B-(iii), C-(i), D-(ii)
(c) A-(ii), B-(iii), C-(iv), D-(i)	(d) A-(iii), B-(iv), C-(i), D-(iv)

8.	In which business are goods bought and sold through postal services?	(1)

9.	Read the following statements, Assertion and Reason. Choose one of the correct alternatives given below: Assertion (A): Tax benefits are available on the interest paid to debentures. Reason (R): The dividend paid to preference shares is an appropriation of profits. **Alternatives:** (a) Both Assertion (A) and Reason (R) are True and Reason (R) is the correct explanation of Assertion (A). (b) Both Assertion (A) and Reason (R) are True and Reason (R) is not the correct explanation of Assertion (A). (c) Assertion (A) is True but Reason (R) is False. (d) Assertion (A) is False but Reason (R) is True.	(1)

10.	When your brand gets legal protection and no one else is allowed to use it, this is called	(1)

(a) Copy right	(b) Patent
(c) Trade mark	(d) None of the above

11.	Niranjan deals in cosmetics on large scale. He buys the goods in bulk directly from the manufacturers and supplies the same to the shops. He does not deal directly with the customers. Niranjan also provides financial support to manufacturers by making payment in advance while placing the order. On the basis of the given information, answer the following questions: (a) In which type of business Niranjan is engaged? (b) Niranjan is serving as an important link between the two parties. Identify the two parties. (c) Discuss the services rendered by Niranjan to any one party identified in part (b).	**(3)**
12.	Distinguish between shares and debentures on the basis of : (a) Rate of return (b) Degree of risk (c) Voting rights **OR** The directors of a company have decided to set up a new plant at an estimated cost of rupees ten crore. State the sources of finance available along with their features (one each).	**(3)**
13.	After completing MBBS and M.D. Dr. Megha wishes to start her own nursing home in a small village of Orissa. She is facing lot of problems in getting land, licence, etc. In the above context suggest her what incentives are available to her by government of India.	**(4)**
14.	Anirudh is planning to start a Departmental Store. However, he does not have full idea about the capital requirements for the store. So, he discussed about this with Mr. Sanjay Aggarwal, a financial consultant. Mr. Sanjay tells Anirudh that capital needs for his departmental store can be divided into following two categories: (i) Funds are needed to buy premises, furniture and fixtures and refrigeration equipment. (ii) Funds are also needed to buy goods and for meeting day-to-day expenses like wages, salaries, electricity expenses, etc. Identify and explain the two types of capital being described above by Mr. Sanjay.	**(4)**
15.	Bhavesh owns a retail outlet in which he sells Men's Wear. He has stock of different brands like Allen Solly, Raymonds, Van Heusen, etc. His store is gaining a lot of popularity as there is large variety of men's wear in all sizes and colours. (a) Bhavesh will be classified as which type of retailer? (b) State any three features of the type of retailer as identified in part (a) of the question.	**(4)**
16.	What do you mean by business finance? Discuss its nature.	**(4)**
17.	Harshul owns a large-scale retail outlet at a central location in Kanpur. The outlet is divided into several sections and each section deals in a particular variety of goods. There is a separate section for toiletries, fruits and vegetables, groceries, electronics,	**(6)**

and clothing.

(a) Identify the type of retail outlet being highlighted in the given case.

(b) State five advantages of the type of retail outlet as identified in part (a) of the question.

OR

(a) Identify the type of itinerant in the image given below and explain any three features of identified type of itinerant.

(b) Explain one more type of itinerant.

18.	Governments of developed countries encourage many people to start small-scale industries in rural and underdeveloped areas, so that these areas can be developed and people of these areas can get employment and their economic conditions can improve. (a) State the benefit of SSI refer in above case. (b) Explain any five benefits of SSI.	**(6)**
19.	Nikunj is a retailer, who runs a departmental store in Krishna Nagar, Delhi. He stocks an extensive variety of goods so as to provide a wider choice to the buyers. Nikunj has effectively displayed new products and provides information about features, price, etc. of such products to the customers. The departmental store is situated near to the residential areas and remains open for long hours. Nikunj also sells goods on credit to the reputed and known customers. Identify the 'Services of Retailers to Consumers' being provided by Nikunj by quoting lines from the given case. **OR** A. Explain trade credit and bank credit as source of short term finance for business enterprises. B. Name any two special financial institutions and state their objectives. (any two of each)	**(6)**

ST. PBN PUBLIC SCHOOL
UNIT TEST-II : SAMPLE PAPER
CLASS-XI
ECONOMICS

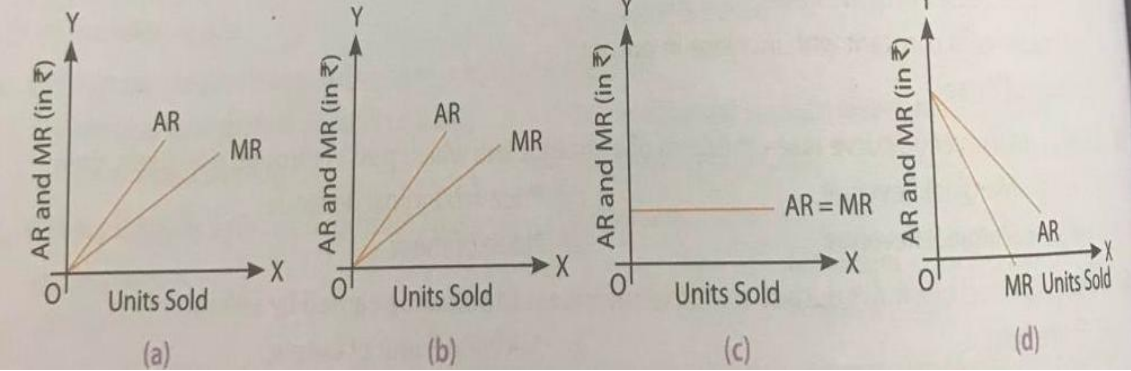**TIME: 2 Hours**   **MM: 50**

GENERAL INSTRUCTIONS:

- All the questions are mandatory.
- This Question paper contains 20 questions.
- Questions 1-10 are Objective Type Questions, carrying 1 mark each.
- Questions 11-14 are Short Answer Questions, carrying 3 marks each (to be answered in 60-80 words).
- Questions 15-18 are Short Answer Questions, carrying 4 marks each (to be answered in 80-100 words).
- Questions 19-20 are Long Answer Questions, carrying 6 marks each (to be answered in 100-150 words).
- Read the questions carefully before attempting.

1.	Individual supply curve is _____ whereas market supply curve is____. (Choose the correct alternative)	1
	<table><tr><td>a) positive; negative</td><td>b) negative; negative</td></tr><tr><td>c) positive; positive</td><td>d) negative; positive</td></tr></table>	
2.	Choose the appropriate word and fill in the blank: In India the wholesale price index numbers are constructed on _____basis. (weekly/monthly)	1
3.	State whether the given statement is 'True' or 'False'. Average revenue is the ratio of total revenue and price.	1
4.	Define shut down point.	1
5.	Increase in supply of a product is caused by: (Choose the correct alternative)	1
	<table><tr><td>a) Improvement in technology</td><td>b) Fall in prices of other goods</td></tr><tr><td>c) Fall in prices of factors of production</td><td>d) All of these</td></tr></table>	

6.	The total revenue earned by selling 20 units is Rs. 700. Marginal revenue earned by selling 21st unit is Rs. 70. The value of total revenue earned by selling total 21 units will be _____. (Choose the correct alternative)	1

a) ₹ 721	b) ₹ 720
c) ₹ 770	d) ₹ 630

7.	Which of the diagram correctly depicts the relation between AR and MR, when price falls with rise in output.	1

8.	_____ refers to the amount received by a firm from the sales of a given quantity of a particular good.	1

(a) Cost	(b) Revenue
(c) Production	(d) Functional cost

9	Read the following statement given below and choose the correct alternative. Statement I- When price is constant, the revenue from every additional unit is equal to average revenue. Statement II- AR=MR, when price is constant. (a) Both are correct (b) Both are incorrect (c) Statement 1 is correct and statement 2 is incorrect (d) Statement 1 is incorrect and statement 2 is correct	1

10.	Read the following statements: Assertion (A) and Reason (R). Choose one of the correct alternatives given below:	1
	Assertion (A): In case of perfectly inelastic supply, supply curve is a vertical straight line supply curve.	
	Reason (R):Supply doesn't change with change in price in case of $E_S=0$.	
	Alternatives:	
	(a) Assertion (A) and Reason (R) are true, and Reason (R) is the correct explanation of Assertion (A).	
	(b) Both Assertion (A) and Reason (R) are true, and Reason (R) is not the correct explanation of Assertion (A).	
	(c) Assertion (A) is true, but Reason (R) is false.	
	(d) Assertion (A) is false, but Reason (R) is true.	
11.	Define market supply. Explain the effect of improvement in technology on the supply of a good.	3
	OR	
	Distinguish between change in supply and change in quantity supplied.	
12.	Complete the table and answer the following questions:	3

Output (Units)	Price	Total Revenue (₹)	Marginal Revenue (₹)
1	10	10	10
2	---	18	8
3	8	24	---
4	7	---	4

a) Which concept of revenue is called price?
b) Write the formula of calculating marginal revenue.

13.	Define supply. Distinguish between supply and stock.	3
14.	On the basis of the data given below, determine the level of output at which the producer will be in equilibrium. Use the marginal cost-marginal revenue approach.	3

Output (Units)	1	2	3	4	5	6	7
Price	7	7	7	7	7	7	7
Total Cost (₹)	8	15	22	28	33	40	48

15.	I. If MC is more than MR at a particular level of output, then how will a producer react to maximise the profits. II. A table showing TC and TR of a firm is given. Calculate MC and MR and find out the equilibrium level of output.	4

Output	1	2	3	4	5	6	7	8	9	10
TC	45	80	95	105	135	175	225	285	360	440
TR	40	80	120	160	200	240	280	320	360	400

16.	What is an index number? Explain any two limitations of Index Numbers.	4

17.	I. When the price of the commodity rises by Rs. 10 percent, its supply rises by 40 units. Its elasticity of supply is 1. Calculate its supply at original price.
	II. Read the following statements carefully and write 'True' and 'False' with a valid reason.
	    a) A cost saving technology shift the supply curve of a commodity towards left.
	    b) An increase in number of firms leads to 'Expansion in supply'.
		4

18.	How is withdrawal of subsidy on the input used in the production of refined oil products likely to affect the supply and demand for refined oil products in India? Also explain its impact on the Indian economy.	4
19.	'Maximation of profit implies equilibrium, but equilibrium does not always imply maximization of profits.' Do you agree with the statement. Explain by using diagram.	6
20.	From the following data, calculate consumer price index by using: (i) Aggregative Expenditure Method and (ii) Family Budget method.	6

Commodity	Quantity consumed in the Year 2011 (in quintal)	Price in 2011	Price in 2022
A	6	100	120

B	8	80	90
C	1	70	70
D	2	120	115
E	20	12	15
F	1	160	170

OR

What are the consideration underlying the choice of base period in the construction of an index number?

ST. PBN PUBLIC SCHOOL
UNIT TEST-II : SAMPLE PAPER
CLASS-XI
COMPUTER SCIENCE

Time: 2 Hours   **M.M:50**

General Instructions:
- *Attempt all the questions.*
- *Read the questions carefully and answer properly.*
- *Write question number before writing the answers.*

SECTION- A

Choose the correct option and write in the answer sheet   **(1 x 12 = 12)**

1. The sequential accessing of each of the elements in a list is called _____.
   - (a) List indexing
   - (b) List Traversal
   - (c) List Slicing
   - (d) List Accessing

2. Which of the following is considered as a tuple in python?
   - (a) ('r' ,)
   - (b) ('r')
   - (c) ['r',]
   - (d) {'r',}

3. A function that can be used to generate even random numbers between a particular range is :
   - (a) randrange()
   - (b) random()
   - (c) randint()
   - (d) none of these

4. Which of the following will give the output as : [23,2,9,75] of given list1=[1,23,6,2,14,9,81,75]
   - (a) print(list1[1:7:2])
   - (b) print(list1[0:7:2])
   - (c) print(list1[1:8:2])
   - (d) print(list1[0:8:2])

5. What will be the output of the following python code?
```
>>> d= {"john": 40, "peter":45}
>>> "john" in d
```
   - (a) True
   - (b) False
   - (c) 1
   - (d) Error

6. To indicate position of an element from the end of list _____ is used.
   - (a) len( )
   - (b) pop( )
   - (c) negative indexing
   - (d) slicing

7. Which of the following module in python provides mathematical functions?
   - (a) random
   - (b) math
   - (c) statistics
   - (d) csv

8. Consider, C1=("TEA POT", [1,2,'3'],'S',(3,4,6),"book",10)
   What will be the output of: **C1[1][2]*3**
   - (a) 444
   - (b) '333'
   - (c) 'SSS'
   - (d) 'book'

9. What will be the output of the following print() statement in Python?

```
>>> import statistics
>>> statistics.mode([21,24,21,45,56,67,21])
```

    (a) 24   (b) 21
    (c) 56   (d) 45

10. What is the value of x, if x = math.factorial (0)?
      (a) 1   (b) 0
       (c) Error   (d) None of these

11. Consider a declaration L =91, 'Python', 44)
     Name the data type of L?
      (a) List   (b) Dictionary
      (c) Tuple   (d) sets

12. Which command would you use to import only the randint function from the random module?
      (a) import random randint   (b) import randint from random
      (c) from random import randint   (d) from random import *

Q13 and 14 are ASSERTION AND REASONING based questions. Mark the correct choice as
     a) Both A and R are true and R is the correct explanation for A
     b) Both A and R are true and R is not the correct explanation for A
     c) A is True but R is False
     d) A is false but R is True

13. Assertion (A): Keys of the dictionaries must be unique.
   Reason (R): The keys of dictionary can be accessed using values.

14. Assertion (A): In Python, list is an immutable collection of data.
   Reason (R): Mutable means that any change or alteration in data is mentioned in the same place. The updated collection will use the same address for its storage.

<div align="center">

SECTION B

</div>

<div align="right">

(2x 4 = 8)

</div>

15. (i) What will be the output of following Python code?

```
list1 = [12,32,65,26,80,10]
list1.sort()
print(list 1)



list1 = [12,32,65,26,80,10]
list1.sorted()
print(list 1)
```

(ii) What will be the output of following Python code?

```
list1 = [2,4,6,8,10]
list2 = list1
list3 = list1.copy()
list1[4] = 12
list2[3] = 14
list1.remove(2)
print("List1 ",list1)
print("List2 ",list2)
print("List3 ",list3)
```

16. (i) TypeError occurs while statement 2 is running. Give reason. How can it be corrected? (1+1)

```
>>> tuple22 = (5)
>>> len(tuple22)
```

(ii) Find the errors and rewrite the correct statements.
   a) L1= (101)
   b) L2 = [Anny,Deny,Tiny]

17. Write Python expression for each of these mathematical expressions with respect to python modules: (1+1)

(i) $\dfrac{\sqrt{a^3+b^3+c^3}}{\sqrt{a^2+b^2}}$

(ii) $\dfrac{x^4+y^5+z^6}{\sqrt{x^2\times y^3\times z^4}}$

18. Write a Python program to print odd numbers of a list input by user. (1+1)
OR
Write a Python program to calculate mean of a given tuple of numbers. (2)

SECTION C

(3x 4 = 12)

19. (i) What do you mean by tuple concatenation?

(ii) Differentiate between append( ) and extend( ) functions of list. (1+2)

20. Write a Python program to input any two tuples and swap their values. (3)
O**R**

Write a program to find the largest and second largest elements in a given list of elements.

21. (i) Lists and Tuples are ordered. Justify. (1+1)
   (ii) Write a program in Python to implement the Linear Search technique using list in Python.
22. Write a program in Python to enter names of doctors and their respective department as input and store them in a dictionary. (3)

SECTION D

23. What do you mean by sorting? Explain Bubble Sort technique implemented using list with an example. Write Python code also. (4)

24. (i) The record of a student (Name, Roll No., Marks in five subjects and percentage of marks) is stored in the following list: (4)

stRecord = ['Radha', 'A-36', [56, 98, 99, 72, 69], 78.8]

Write Python Statement to retrieve the following information from the list stRecord.

      a) Percentage of a student
      b) Marks of fourth subject
      c) Change the name of student from 'Radha' to 'Raman'.

(ii) What is the difference between the outputs of the code#1 and code#2? Give reasons.

```
Code#1
t1 = (1,2,3)
t2 = (4,5,6)
t3 = t1 +t2
print("New tuple is:",t3)

Code#2
t1 = (1,2,3),
t2 = (4,5,6),
t3 = t1 +t2
print("New tuple is:",t3)
```

OR
(Option for ii part only)

Write a Python code to generate a random number between 1 to 20. (2+2)

SECTION E

25. Consider the following tuple 't1' and answer the following questions: (4)

```
t1 = (100,200,"Global",3,3.5,"Exam",[1,2],(30,40),(3,5,3))
```

(i)	len(t1)	**(v)**	t1[5:]
(ii)	20 not in t1	**(vi)**	t1.count(3)
(iii)	t1[-8:-4]	**(vii)**	t1[2] * 2
(iv)	t1.index(3,6)	**(viii)**	any(t1)

26. Amar Basket is a department store with a wide range of merchandise including groceries, fruits, vegetables and household accessories. It aims to develop a complete software for Billing, Inventory and Accounts management and to provide consumers a user-friendly interface to view item codes and prices of various items.

Write a program in python that repeatedly asks the user to enter product names and prices. Store all of them in a dictionary whose keys are product names and values are prices. Also write a code to search an item from the dictionary. (4)

ST. PBN PUBLIC SCHOOL
UNIT TEST-II : SAMPLE PAPER
CLASS-XI
PHYSICAL EDUCATION

TIME: 2 Hours   **MM: 50**

GENERAL INSTRUCTION :-
1. All question are compulsory.
2. Question 1 to 12 carry 1mark.
3. Question 13 to 16 carry 2 mark.
4. Question 17 to 21 carry 3 mark.
5. Question 22 to 24 carry 5 mark.

1. Which one of the following physical fitness test items is used for children of age group 5 to 8 years and 9 to 18 years?
 (a) Plate Tapping Tests   (c) Flexibility Test
 (b) Body Mass Index   (d) Cardiovascular Endurance Test

2. In which test the length of various bones are measured and tested?
 (a) Achievement tests   (c) Anthropometric test
 (b) Cardiovascular test   (d) Motor ability test

3. Demonstration of the test item is included in the following :
 (a) During Testing   (c) After Testing
 (b) In advance preparation   (d) All of these

4. What is the study of human movements called?
 (a) Anatomy   (c) Biomechanics
 (b) Kinesiology   (d) Physiology

5. How many bones are there in our lower limbs?
 (a) 60   (c) 64
 (b) 62   (d) None of these

6. If the height of the child is in feet , it is classified under :
 (a) Evaluation   (c) Test
 (b) Measurement   (d) None of these

7. There are two statements which are stated below and labelled Assertion(A) and Reason(R)
Assertion(A): The Body Mass Index is also known as Quetelet Index because it was invented by Adolphe Quetelet.
Reason(R): With the help of BMI, it is to know whether one is underweight, normal weight, overweight or it the category of obesity.

In the context of above two statements, which one of the following is correct?

a. Both (A) and (R) are true and (R) is the correct explanation of (A).

b. Both (A) and (R) are true and (R) is not the correct explanation of (A).

c. (A) is true, but (R) is false.

d. (A) is false, but (R) is true.

8. A place where two bones join is called :
   (a) Joint
   (b) Corner
   (c) Blood
   (d) All of the above

9. The lungs oxygenate the :
   (a) Air
   (b) Water
   (c) Blood
   (d) Acid

10. Biomechanics does not help in improvement of players in terms of :
   (a) playing technique
   (b) learning process
   (c) punctuality
   (d) performance

11. Opposite movement for abduction is :
   (a) Circumduction
   (b) Supination
   (c) Pronation
   (d) Adduction

12. An example of Hinge joint is :
   (a) Ankle
   (b) Wrist
   (c) Elbow
   (d) Shoulder

13. What is meant by measurement?

14. Which is the longest and the smallest bone in human body?

15. What do you mean by anatomy?

16. Write any two types of movements.

17. **Case based question I:**

When we sit up or stand, the body tends to maintain the posture. This is the equilibrium and is multifactorial in origin. The body needs to maintain equilibrium not only at rest but also during movement. There are seven fundamental movements in the human body. These work in tandem to maintain balance and equilibrium at rest and while in motion. Losing this capability is incapacitating. The stability of the human body follows the principles of physics and these determine the degree of stability. Thus, a young child is less stable than an adult, so an adult can run faster and stand for long while maintaining equilibrium. Use of this equilibrium and related concept of centre of gravity finds great importance in sports.

(a) How do you define equilibrium? What are the different types of equilibrium? What are the seven fundamental movements?

(b) What are the guiding principles determining degree of stability?

(c) How is the concept of equilibrium and centre of gravity used in sports?

18. Explain any three functions of Skeletal System.

19. Discuss any two guidelines for advance preparation.

20. What do you understand by Ball and Socket joint?

21. Explain any three principles of biomechanics.

22. Explain the applications of axes and planes in body movement

23. Explain any five importances of Anatomy and Physiology.

24. Explain any five importances of Test, Measurement, and Evaluation in Sports.