ARMY PUBLIC SCHOOL GWALIOR
CLASS - XI
ACADEMIC SESSION 2024-25
WORKSHEET (SELF –ASSESSMENT)

Subject: English   **Assignment No. : 7**

Allotment Date: 31 December 2024

S. NO.	QUESTIONS	MARKS	NATURE
1	You are Samer/ Sameer of Lotus International School, Jodhpur. Design a poster for your school library on the value of books and good reading habits. You may use slogans.	6	Information
2	Read the extract given below and answer the questions that follow. In the city of which I sing There was a just and placid king. The King proclaimed an arch should be Constructed , that triumphally Would span the major thoroughfare To edify the spectators there. The workmen went and built the thing They did so since he was the king i.Which poetic device is used in " just and placid thing." ii.What order did the king give ? iii. Why did the king ordered ? State his purpose. iv. What type of personality the king had as per the above lines?	4	Understanding
3	What impression would you form of a state where the king where the king was " just and placid"? (The Tale of Melon City)	5	HOT
4	How did the " just and placid king" get executed?	5	HOT
5	How , according to you , can peace and liberty be maintained in a state ?	5	Analytical Skill
6	You are Navneet, a member of school Literacy Club, which has organised literacy classes in villages and city slums under e adult education programme . Draft a speech highlighting the importance of educating the illiterates.	1x5=5	Critical Thinking and Problem Solving
7	(A) You are Amit/ Amrita of S.P Senior Secondary School. Your school is hosting an Inter School Debate on the topic " Fast foods should be allowed in school." Write a debate for and against the motion. (B) You are George/ Georgina . You have been asked by your teacher to write a debate for or against the motion " Exams are not needed as they only measure the memory and not the learning of the students."	2x5=10	Evaluation

ARMY PUBLIC SCHOOL GWALIOR
CLASS - XI
ACADEMIC SESSION 2024-25
WORKSHEET (SELF –ASSESSMENT)

Subject: Hindi   **Assignment No. : 7**

Allotment Date: 31 December 2024

S. NO.	QUESTIONS	MARKS	NATURE
1	प्राथमिक कक्षाओं में प्रवेश दिलाने में अभिभावकों को समस्या का सामना करना पड़ता हैशिक्षा निदेशक को पत्र लिखिए		**5**	Information
2	"मैगी कि बिक्री पर रोक क्यों" विषय पर फीचर लिखिए|	**5**	Understanding
3	राजस्थान में जल संग्रह के लिए बनी कुई किसी वैग्यानिक खोज से कम नही है स्पष्ट कीजिए|	**5**	HOT
4	1. संचार के साधन कौन – कौन से हैं? 2. फीडबैक किसे कहते हैं? 3. जनसंचार किसे कहते हैं? 4. भारत में छपने वाला पहला अख़बार कौन सा है? 5. प्राचीन काल में संदेश किस तरह दिए जाते थे?	**5**	Interdisciplinary
5	"जीवन संघर्ष है स्वप्न नही" विषय पर अनुच्छेद लिखिए|	**5**	Analytical Skill
6	"मीडिया कि विश्वनीयता पर लगते प्रश्न चिन्ह" विषय पर आलेख लिखिए|	**5**	Critical Thinking and Problem Solving
7	पाठ के किन अंशों से समाज की यह सच्चाई उजागर होती है कि पुरुष के बिना स्त्री का कोई अस्तित्व नही है| क्या वर्तमान समय में स्त्रियों की इस सामाजिक स्थिति में कोई परिवर्तन आया है ? तर्क सहित उत्तर दीजिए|	**5**	Evaluation
8	1."कुई का मुँह छोटा रखने के पीछे क्या कारण हैं ?		Communication Skills

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CLASS - XI
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WORKSHEET (SELF –ASSESSMENT)

Subject: Physics   **Assignment No. : 7**
Allotment Date: 31 December 2024

S. NO.	QUESTIONS	MARKS	NATURE
1	1. A) If a refrigerator's door is kept open, will the room become cool or hot? Explain. 2. B) Is it possible to increase the temperature of a gas without adding heat to it? Explain.	2	Interdisciplinary
2	If the temperature of the sun is doubled, the rate of energy received on each will increases by what factor?	2	Understanding
3	How will you calculate work done on an ideal gas in a compression, when change In pressure Is carried out in infinite steps?	2	Information
4	The enthalpy of reaction for the reaction: $2H_2 (g) + O_2 (g) \rightarrow 2H_2O (l)$ is $\Delta rH^{\ominus} = -572$ kJ mol^{-1}. What will be the standard enthalpy of formation of $H_2O (l)$?	2	Evaluation
5	Why water in a metallic pot can be boiled quickly if the bottom of the pot is made black and rough than a highly polished surface?	2	Analytical Skill
6	A) Why is the energy of thermal radiation less than that of visible light? B) Why a thick glass tumbler cracks when boiling liquid is poured into it?	2	Understanding
7	A geyser heats water flowing at the rate of 3.0 liters per minute from 2 7°C to 77°C. If the geyser operates on a gas burner, what is the rate of consumption of the fuel if its heat of combustion is 4.0×10^4 J/g?	3	HOT
8	What causes restoring stress when a wire is stretched and when a body is compressed?	3	Evaluation
S. NO.	QUESTIONS	MARKS	NATURE

9	The breaking stress of aluminum is 7.5×10^8 dyne cm^{-2}. Find the greatest length of aluminum wire that can be hung vertically without breaking. The density of aluminum is 2.7 g cm^{-3}. Take g = 980 cm s^{-2}.	3	Evaluation
10	Explain why (a) Two bodies at different temperatures T_1 and T_2, if brought in thermal contact do not necessarily settle to the mean temperature $(T_1 + T_2)/2$? (b) The coolant in a chemical or nuclear plant (i.e., the liquid used to prevent different parts of a plant from getting too hot) should have high specific heat. Comment. (c) Air pressure in a car tires increases during driving. Why? (d) The climate of a harbor town is more temperate (i.e., without extremes of heat and cold) than that of a town in a desert at the same latitude. Why?	3	HOT
11	Why the force required by a man to move his limbs immersed in water is smaller than the force required for the same movement in air?	3	Understanding
12	A) The passengers are advised to remove the ink from their f pens while going up in an airplane. Explain why? B)Why a sinking ship often turns over as it becomes immersed in water?	3	Understanding
13	What is venturimeter ?At two points in venturimeter the area of cross – section are a_1 and a_2 and their pressure difference is 'H' .Calculate the volume of liquid flowing per second through it	5	Critical thinking and Problem solving
14	a) When air is blown in between the two balls suspended from a string such that they don't touch each other, the balls come nearer to each other. Why? b) What do you understand by streamline and turbulent flow? Give difference. Two streamline flow do not intersect each other. Why ?	5	Analytical Skill

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CLASS - XI
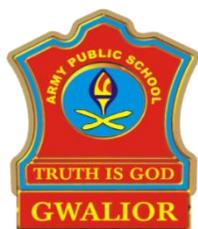## ACADEMIC SESSION 2024-25
WORKSHEET (SELF –ASSESSMENT)

Subject: Chemistry   **Assignment No. : 7**

Allotment Date: 31 December 2024

S.NO	QUESTIONS	MARKS	NATURE
1	What are redox reaction?	2	Information
2	Compare classical concept and electron transfer concept of redox reaction .	2	Understanding
3	Calculate value of x & y in the following redox reaction- $xCl_2 + 6OH^- \rightarrow ClO^-3 + yCl^- + 3H_2O$ are	2	Understanding
4	Calculate oxidation state of chromium in $[Cr (P Ph_3) (CO)_3]$.	2	Understanding
5	Which of the following is not a reducing agent and why? (a) SO_2 (b) H_2O_2 (c) CO_2 (d) NO^-2	2	Information
6	Calculate number of moles of $K_2Cr_2O_7$ reduced by 1 mole of Sn^{2+} .	2	Understanding
7	For the redox reaction- $MnO^-4 + C_2O2^-4 + H^+ \rightarrow Mn^{2+} + CO_2 + H_2O$ find out stoichiometric coefficients of MnO^-4, C_2O2^-4, H^+ are	3	Understanding
8	The oxidation number of iron in Fe_3O_4 , Fe_2O_3 and $FeCl_3$ is ------,-------and --------	3	Understanding
9	Which is a redox reaction? (a) $H_2SO_4 + 2NaOH \rightarrow Na_2SO_4 + 2H_2O$ (b) $BaCl_2 + H_2SO_4 \rightarrow BaSO_4 + 2HCl$ (c) $CH_3COOH + C_2H_5OH \rightarrow CH_3COOC_2H_5 + H_2O$ (d) $2FeCl_3 + SnCl_2 \rightarrow 2FeCl_2 + SnCl_4$	3	Understanding

10	A compound contains atoms of three elements -A, B & C. If the oxidation number of A is +2, B is +5 and that of C is -2.Write the possible formula of the compound .	3	Understanding
11	Calculate Oxidation number of sodium in sodium amalgam	3	Understanding
12	For the reaction: $M^{x+} + MnO{-}4 \rightarrow MO{-}3 + Mn^{2+} + 23O_2$ if one mole of $MnO{-}4$ oxidised 1.67 moles of M^{x+} to $MO{-}3$, Calculate the value of x in the reaction .	3	HOT
13	Explain redox reaction in terms of Hydrogen,Oxygen,Electropositive element and electron gain or loss.	5	Information
14	Define Oxidation number? The oxidation state of chromium in i.$Cr(CO)_6$ is----- ii $K_2Cr_2 O_7$ iii K_2CrO_4 ivCrO_2Cl_2	5	Application

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ACADEMIC SESSION 2024-25
WORKSHEET (SELF –ASSESSMENT)

Subject: Mathematics   **Assignment No. : 7**
Allotment Date: 31 December 2024

S. NO.	QUESTIONS	MARKS	NATURE
1	Find the sum to infinity for 5, 5/3, 5/9,…. (a) 7.5　　(b) 15　　(c) 7　　(d) 17	1	Information
2	The arithmetic mean of two numbers x and y is 3 and geometric mean is 1. Then $x^2 + y^2$ is equal to: (a) 30　　(b) 31　　(c) 32　　(d) 34	1	
3	The points (11,9), (2,1) and (2,-1) are the vertices of the sides of a triangle. Then the centroid is: (a) (5,3)　　(b) (-5,-3)　　(c) (5,-3)　　(d) (3,5)	1	HOT
4	The value of p for which the equation $x^2 + y^2 - 2px + 4y - 12 = 0$ represents a circle of radius 5 units is: (a) 3　　(b) -3　　(c) both (a) and (b)　　(d) neither (a) nor (b)	1	Understanding
5	The centre of the circle $x = 2 + 3\cos\theta$, $y = 3\sin\theta - 1$ is (a) (-2,1)　　(b) (-1,2)　　(c) (3,3)　　(d) (2,-1)	1	Understanding
6	The locus of the point z=0 is: (a) XY-plane　　(b) YZ- plane　　(c) x-axis　　(d) y-axis	1	Understanding
7	The distance of the point P(3,4,5) from the YZ -plane is: (a) 3 units　　(b) 4 units　　(c) 5 units　　(d) 550 units	1	Analytical Skill

8	The range of data 10, 3, 4,7,12,8,15 is (a) 18 (b) 12 (c) 3 (d) 15	1	Communication Skills
9	Assertion- Reason Type: Direction: The following questions are Assertion-Reason type questions. Each of these questions contains two statements: Assertion (A) and Reason (R). Each of these questions also has four alternative choices, only one of which is the correct answer. You have to select the correct choice. Both A and R are true and R is the correct explanation of A. Both A and R are true and R is the not correct explanation of A. A is true but R is false. A is false but R is true. Assertion: If points A,B,C are collinear then area of $\Delta ABC = 0$ Reason: AB+BC = AC	1	Evaluation
10	Three coins are tossed. Describe two events which are mutually exclusive.	2	Evaluation
11.	Four coins are tossed simultaneously. Write the events of getting more than 5 tails.	2	Evaluation
12	8 tickets are numbered 1 to 8. A ticket is drawn at random. Write the sample space and the event A of getting a ticket with odd number.	2	Analytical Skill
13	In a leap year, find the probability of getting 53 Sundays or 53 Mondays .	2	Analytical Skill
14	Two dice are thrown. Find the probability that the sum of the points on the dice is 7.	2	Critical Thinking and Problem Solving
15	Prove that the triangle formed by joining the three points whose coordinates are (2,4,5), (4,5,2) and (5,2,4)is an equilateral triangle.	3	Evaluation
16	The probability of happening of an event A is 0.5 and that of B is	3	Critical Thinking

	0.3. If A and B are mutually exclusive events, then find the probability of neither A nor B.		and Problem Solving
17	The probability that the home team will win an upcoming Football game is 0.77, the probability that it will tie the game is 0.08, find the probability that it will lose the game.	3	Critical Thinking and Problem Solving
18	Find the derivative of tanx by the first principle.	3	Evaluation
19	Case Study:The probability that a new railway bridge will get an award for its design is 0.48, and the probability that it will get an award for the efficient use of the material is 0.36, and that it will get both awards is 0.2. What is the probability that: (i) It will get at least one of the two awards. (ii) It will get only one of the awards.	4	Analytical Skill
20	Differentiate (1+ 2 tanx) (5+4 cosx) in two different ways and verify that the two results are same.	5	Understanding and problem solving

ARMY PUBLIC SCHOOL GWALIOR
CLASS - XI
ACADEMIC SESSION 2024-25
WORKSHEET (SELF –ASSESSMENT)

Subject: Biology   **Assignment No. : 7**

Allotment Date: 31 December 2024

S.NO.	QUESTIONS	MARKS	NATURE
1.	What is cutaneous respiration? Name two animals that exhibit this.	2	Analytical Skills
2.	How is residual volume different from functional residual capacity?	2	Understanding
3.	How does diaphragm help in respiration?	2	Analytical Skills
4.	Mention four functions of the conducting part of the respiratory system.	2	Interdisciplinary
5.	Differentiate between oxyhaemoglobin and carbaminohaemoglobin.	2	Understanding
6.	What is fibrosis in lungs? How is it caused?	2	Information
7.	Describe the role played by diaphragm and intercoastal muscles in inspiration.	3	Information
8.	How is expiration carried out under normal physiological conditions?	3	HOT
9.	Describe the role of haemoglobin in the transport of respiratory gases.	3	Understanding
10.	Draw the diagram of an alveolus with a pulmonary capillary and label the parts in it.	3	HOT
11.	How is thoracic chamber formed? Why is such a set up necessary?	3	Interdisciplinary
12.	Describe the various respiratory volumes.	3	Interdisciplinary
13.	Explain the process of inspiration and expiration under normal conditions.	5	Understanding
14.	Explain the mechanism of transport of oxygen and carbon dioxide by the blood.	5	HOT

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CLASS - XI
ACADEMIC SESSION 2024-25
WORKSHEET (SELF –ASSESSMENT)

Subject: Accountancy   **Assignment No. : 7**
Allotment Date: 31 December 2024

S. NO.	QUESTIONS	MARKS	NATURE
1.	If the trial balance does not tally after many efforts, then the _____ account is opened. (a) Purchase account (b) Suspense account (c) Sales account (d) None of the above	1	Knowledge
2.	If the suspense account does not balance off even after rectification of errors, it implies that _____. (a) There are some one-sided errors only in the books yet to be ascertained (b) There are no more errors yet to be ascertained (c) There are some two-sided errors only, that is yet to be ascertained (d) There may be both two-sided errors and one-sided errors, that are yet to be ascertained	1	Application
3.	If the two sides of the trial balance do not tally, which account is opened? (a) Suspense account (b) Personal account (c) Real account (d) None of the above	1	Knowledge
4.	If wages paid for the installation of new machinery is debited to the wages account, it is _____. (a) An error of commission	1	Knowledge

	(b) An error of principle		
	(c) A compensating error		
	(d) An error of omission		
5.	The error which can be disclosed by trial balance is _____. (a) Error of omission (b) Error of principle (c) Compensatory error (d) None of the above	1	Knowledge
6.	A trial balance is prepared after _____. (a) Preparation of the financial statement (b) Recording the transactions in the subsidiary books (c) Posting it to the ledger is complete (d) Posting it to the ledger is complete, and the accounts have been balanced	1	Knowledge
7.	Errors committed by omitting entries in the journal book are called _____. (a) Error of commission (b) Error of principle (c) Error of omission (d) None of the above	1	Knowledge
8.	Errors committed due to lack on the basis of the principle of accounting are called _____. (a) Compensating errors (b) Error of principle (c) Single-sided error (d) None of the above	1	Knowledge
9.	If the trial balance agrees, it implies that _____. (a) There are no errors in the book	1	Knowledge

	(b) There may be two-sided errors in the book		
	(c) There may be one-sided errors in the book		
	(d) There may be both one-sided errors and two-sided errors in the books		
10.	Which of the following is not an error of principle? (a) Purchase of furniture debited to purchase account (b) Repairs on the overhauling of second-hand machinery purchased debited to repairs account (c) Cash received from XYZ posted to ABC (d) Sale of old car credited to sales account	1	Knowledge
11.	What is a suspense account? Is it necessary that suspense account will balance off after rectification of the errors detected by the accountant? If not, then what happens to the balance still remaining in suspense account?	3	Knowledge and Understanding
12.	What kinds of errors would cause difference in the trial balance? Also list examples that would not be revealed by a trial balance?	3	Understanding and knowledge
13.	Rectify the following errors : (a) Sales book under cast by Rs. 300. (b) Purchases book under cast by Rs. 400. (c) Return Inwards book under cast by Rs. 200. (d) Return outwards book under cast by Rs. 100.	4	Application and computation
14.	Rectify the following errors : (a) Credit sales to Mohan Rs. 7,000 were posted to Karan. (b) Credit purchases from Rohan Rs. 9,000 were posted to Gobind. (c) Goods returned to Rakesh Rs. 4,000 were posted to Naresh. (d) Goods returned from Mahesh Rs. 1,000 were posted to Manish.	4	Understanding, Application and computation
15.	Rectify the following errors assuming that suspense account was opened. Ascertain the difference in trial balance. (a) Depreciation provided on machinery Rs. 4,000 was not posted to Depreciation account. (b) Bad debts written-off Rs. 5,000 were not posted to Debtors account. (c) Discount allowed to a debtor Rs. 100 on receiving cash from him	4	Application and computation

	was not posted to discount allowed account.		
	(d) Goods withdrawn by proprietor for personal use Rs. 800 were not posted to Drawings account.		
	(e) Bill receivable for Rs. 2,000 received from a debtor was not posted to Bills receivable account.		
16.	Give journal entries to rectify the following errors assuming that suspense account had been opened. (a) Goods distributed as free sample Rs. 5,000 were not recorded in the books. (b) Goods withdrawn for personal use by the proprietor Rs. 2,000 were not recorded in the books. (c) Bill receivable received from a debtor Rs. 6,000 was not posted to his account. (d) Total of Returns inwards book Rs. 1,200 was posted to Returns outwards account. (e) Discount allowed to Reema Rs. 700 on receiving cash from her was recorded in the books as Rs. 70.	6	Application and computation
17.	Trial balance of Khatau did not agree. He put the difference to suspense account and discovered the following errors : (a) Credit sales to Manas Rs. 16,000 were recorded in the purchases book as Rs. 10,000 and posted to the debit of Manas as Rs. 1,000. (b) Furniture purchased from Noor Rs. 6,000 was recorded through purchases book as Rs. 5,000 and posted to the debit of Noor Rs. 2,000. (c) Goods returned to Rai Rs. 3,000 recorded through the Sales book as Rs. 1,000. (d) Old machinery sold for Rs. 2,000 to Maneesh recorded through sales book as Rs. 1,800 and posted to the credit of Manish as Rs. 1,200. (e) Total of Returns inwards book Rs. 2,800 posted to Purchase account. Rectify the above errors and prepare suspense account to ascertain the difference in trial balance.	6	Application and computation

Subject: Business Studies   Assignment No. : 7
Allotment Date: 31 December 2024

S. NO.	QUESTIONS	MARKS	NATURE
1	1. _____ can check the price fluctuations in the market by holding back the goods when prices fall and releasing the goods when prices rise. (a) Wholesaler (b) Agent (c) Retailer (d) Mercantile agent	1	Knowledge and Remembering
2	The risk of bad debts in _____ business is eliminated, particularly when payment is received through V.P.P. (a) Tele-shopping (b) Mail order trading house (c) Departmental store (d) Cooperative store	1	Knowledge and Remembering
3	The persons who come in between the primary producer and the final consumer to promote trade is called as _____. (a) Trader (b) Middleman (c) Auctioneer (d) Agent	1	Knowledge and Remembering
4	Wholesalers deals in _____ quantity of goods.	1	Knowledge and

	(a) Small		Remembering
	(b) Limited		
	(c) Large		
	(d) Medium		
5	It is a network of a number of branches situated at different localities in the city or in different parts of the country. (a) Multiple shops (b) Consumers cooperative store (c) Hire purchase system (d) Internet marketing	1	Knowledge and Remembering
6	An agent is appointed by the _____. (a) Principal (b) Manufacturer (c) Wholesaler (d) Retailer	1	Knowledge and Remembering
7	_____ are mobile traders who deal in low-priced articles with no fixed place of business. (a) Street stalls (b) Retailers (c) Itinerant traders (d) Agents	1	Knowledge and Remembering
8	This retail business acts as a universal supplier of a wide variety of products. (a) Departmental store (b) Multiple shops (c) Mail-order business (d) Tele-shopping	1	Knowledge and remembering
9	A warehouse keeper accepts goods for the purpose of	1	Knowledge and

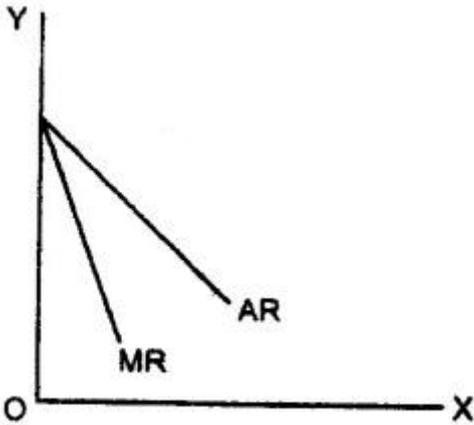|			
	_____. (a) Selling (b) Packaging (c) Export (d) Storage		Remembering
10	Small scale fixed retailers includes _____. (a) Hawkers (b) Pedlars (c) Cheap Jacks (d) General stores	1	Knowledge and Remembering
11	How does market information provided by wholesalers benefit the manufacturers?	3	Understanding and remembering
12	How do the wholesalers help the manufacturer in availing the economies of scale?	3	Knowledge, analyzing
13	How would you differentiate between street traders and street shops?	4	Understanding and reasoning
14	Explain the services offered by the wholesalers to the manufacturers.	4	Understanding
15	What are the services offered by retailers to wholesalers and consumers?	4	Understanding
16	Itinerant traders have been an integral part of internal trade in India. Analyse the reasons for their survival in spite of competition from large scale retailers.	6	Understanding and analyzing
17	Discuss the features of a departmental store. How are they different from multiple shops or chain stores?	6	Remembering , and understanding

Subject: Economics   **Assignment No. : 7**
Allotment Date: 31 December 2024

S. NO.	QUESTIONS	MARKS
1	In which market MR may become zero or negative ? (a) Monopoly (b) Monopolistic Competition (c) Both (a) and (b) (d) Perfect Competition	1
2	In which market AR = MR ? (a) Monopoly (b) Monopolistic Competition (c) Both (a) and (b) (d) Perfect Competition	1
3	In monopoly and monopolistic competition : (a) AR = MR (b) AR > MR (c) AR < MR (d) None of these	1
4	To which market, following figure belongs ? (a) Perfect Competition (b) Monopoly (c) Monopolistic Competition (d) None of the above	1
5	With which condition, firm will get maximum profit ? (a) Where MR = MC (b) Where MC cuts MR from below (c) Both (a) and (b)	1

	(d) None of the above	
6	In perfect competition, which of the following remains constant ? (a) AR (b) MR (c) Both AR and MR (d) None of the both	1
7	In perfect competition: (a) AR = MR (b) AR > MR (c) MR < MC (d) MR = MC = 0	1
8	When 5 units of a goods are sold, total revenue is Rs. 100. When 6 units are sold, marginal revenue is Rs. 8. At what price are 6 units sold ? (a) Rs. 28 per unit (b) Rs. 20 per unit (c) Rs. 18 per unit (d) Rs. 12 per unit	1
9	MR is shown as: (a) $\Delta TR/\Delta Q$ (b) TR/Q (c) $\Delta AR/Q$ (d) None of these	1
10	In which market AR curve is parallel to X-axis ? (a) Perfect Competition (b) Monopoly (c) Monopolistic Competition (d) In all the above	1
11	If price of a commodity falls from Rs. 60/ unit, its supply falls from 400 units to 300 units. Find out elasticity of supply.	3
12	Draw the supply curves showing: (i) Es=1 (ii) Es>1 (iii) Es<1	3
13	A firm supplies 10 units of a good at a price of Rs. 5 per unit, Pes is 1.25, what quantity will the firm supply at a price of Rs. 7 per unit.	4
14	The price elasticity of supply of commodities X and Y is equal. The price of X falls from Rs. 10 to Rs.8 per unit and supply falls by 16 percent. The price of Y rises by 10%. Calculate the percentage increase in its supply.	4
15	The ratio of elasticity of supply of commodities A and B is 1:1.5. 20% fall in price of A results in a 40% fall in its supply. Calculate the % increase in supply of B if its price rises from Rs.10 per unit to Rs.11 per unit.	4
16	Answer the following questions: (a) What is the effect of technological advancement on supply curve? (b) How can a developing country prepare itself to achieve economic progress?	6
17	Explain the Law of supply with the help of a hypothetical schedule and diagram.	6

ARMY PUBLIC SCHOOL GWALIOR
CLASS - XI
ACADEMIC SESSION 2024-25
WORKSHEET (SELF –ASSESSMENT)

Subject: History   **Assignment No. : 7**

Allotment Date: 31 December 2024

S. NO.	QUESTIONS	MARKS	NATURE
1	Part- A *Answer the following objective type questions:* (i) Mesopotamian weapons were prominently made of (a) bronze (b) copper (c) stone (d) iron (ii) The technological landmark witnessed by the urban economy of the city of Uruk was * (a) bronze tools. (b) construction of brick columns. (c) potter's wheel. (d) oil pressing technique. (iii) A guild was an association of (a) monks (b) farmers (c) craft and industry (d) lords (iv) The famous book Feudal Society, which dealt with the French society, was written by:	(10x1=10)	Information

(a) John Cunningham

(b) Alexander Cunningham

(c) James Cameron

(d) Marc Bloch

(v) The families that gave more importance to women during the 15th century were those of

(a) aristocrats.
(b) artists.
(c) merchants.
(d) scholars.

(vi) Renaissance is best known for its

(a) cultural developments.
(b) social developments.
(c) political developments.
(d) economic developments.

(vii) Anatomy, geometry, physics, as well as a strong sense of what was beautiful, gave a new quality to Italian art, which was to be called

(a) aesthetic realism
(b) epistemological realism
(c) philosophical realism
(d) realism

(viii) Monks who moved from one place to another, preaching to the people and living on charity. These monks were known as

(a) Manor

(b) Friars

(c) Tithe

(d) Serfs

(ix) Name the scholar who argued that history is not all about political history but also includes international relations and lives of great people.

(a) James Cunningham

(b) Alexander Cunningham

(c) James Bloch

(d) Marc Bloch

(x) What were Amphorae?

(a) A type of army

(b) A type of container

(c) A type of district administrator

(d) None of the above

2	Part- B *Answer the following questions in short:* What were the reasons for progress in the field of science in the Renaissance?	3	Understanding
3	Write in brief about Tiananmen Square Massacre.	3	Evaluation
4	What were the features of humanist thought?	3	Informative
5	Did Japan's policy of rapid industrialisation lead to wars with its neighbours and destruction of the environment?	3	Understanding
6	Part- C Long questions answers: When was CCP founded? What was Russian influence in its formation? Discuss the role of Mao Zedong in it? Or How did the Italian culture revive after the fall of Western Roman empire?	8	Understanding and Evaluation
7	Part-D (Sources Based Questions) Read the following source carefully and answer the questions that follow:	(1+2+2=5)	Application and understanding

	Giovanni Pico della Mirandola (1463-94), a humanist of Florence, wrote on the importance of debate in On the Dignity of Man (1486). For [Plato and Aristotle] it was certain that, for the attainment of the knowledge of truth they were always seeking for themselves, nothing is better than to attend as often as possible the exercise of debate. For just as bodily energy is strengthened by gymnastic exercise, so beyond doubt in this wrestling-place of letters, as it were, energy of mind becomes far stronger and more vigorous.'		
	Questions: (i) What do you know about Giovanni Pico della Mirandola? What did he write? (ii) What did he say about the importance of debate in 'On the Dignity of Man'? (iii) Name the two spheres in which Renaissance brought about revolutionary changes.		
8	PART-E (Map Question) On the map of China, mark and locate the main route of Long March.	(5)	Identification

Subject: Political Science   **Assignment No. : 7**
Allotment Date: 31 December 2024

S. NO.	QUESTIONS	MARKS	NATURE
1	Objective Type Questions:	(10x1=10)	Information
	(i) Appointment of the Governor is dealt under the article		
	(a) Article 167		
	(b) Article 124		
	(c) Article 162		
	(d) Article 155		
	(ii) Which one of the following articles authorise the Parliament to protect persons in the service of the union or a state in respect of any action taken by them during martial law to maintain or restore order?		
	(a) Article 167 and 168		
	(b) Article 24 and 25		
	(c) Article 33 and 34		
	(d) Article 155		
	(iii) Territorial representation means:		
	(a) Geographical representation		
	(b) Minority representation		
	(c) Functional representation		
	(d) Class representation.		
	(iv) Which of the following statements is correct?		
	(a) Liberty and Equality are opposed to each other		
	(b) Liberty and Law are opposed to each other		
	(c) Liberty and Equality are supplementary		

(d) Liberty and Equality are contradictory

(v) Who acts as a link between the Public and Government?

(a) Parliament

(b) Religious leaders

(c) Judiciary

(d) Government officials

(vi) The State Reorganisation Commission recommended the creation of

(a) Regional states.
(b) Religious states.
(c) Ethnic states.
(d) Linguistic states.

(vii) Which is not legitimate source of restrains for freedom?

(a) State

(b) Religion

(c) Custom

(d) Physical force.

(viii) The inclusion of secularism in the Indian constitution was not aimed

(a) To offer religious freedom

(b) St gaining minority votes

(c) To unify a heterogeneous nation

(d) To set the nation on the path to progress

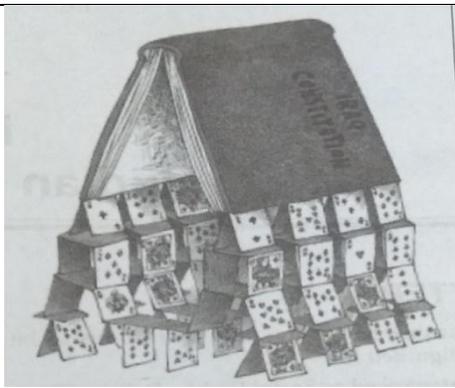(ix) Constituent Assembly was set up on the recommendation of --------------- .

(i) Article 19 guarantees:

(a) Six Freedoms

(b) Seven Freedom

(c) Five Freedom

	(d) Four Freedom		
	(x) Right to property has been taken out of list of Fundamental Rights by:		
	(a) 42nd Amendment		
	(b) 45th Amendment		
	(c) 44th Amendment		
	(d) 43rd Amendment		
2	Write a short note on the Writ of Habeas Corpus.	2	HOT
3	Indian secularism focuses on more than the religion-state separation. Explain.	4	HOT
4	How the hindrances in the way of good citizenship can be removed?	4	Critical and Analytical thinking
5	Mention five hindrances in the way of Nationalism.	4	Evaluation
6	Read the extract carefully and answer the questions that follow: "One likes to ask whether there can be anything new in a Constitution framed at this hour in the history of the world ….. The only new things, if there can be any, in a Constitution framed so late in the day are the variations made to remove the faults and to accommodate it to the needs of the country." Questions: a) Whose words have been referred to here? Why he said so? b) What was the main new thing according to Dr. B.R. Ambedkar during the process of framing the Indian Constitution?	(2+3=5)	Analytical
7	Study the cartoon carefully and answer the questions that follow:	(2+3=5)	Analytical

Questions:

    a) Why does the cartoonist describe the new Iraqi Constitution as the castle of cards?

    b) Would this description apply to the Indian Constitution?
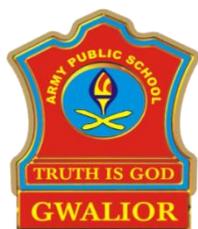
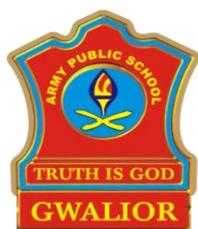| 8 | Describe any six salient features of Indian Constitution.

Or

There is a view that absolute economic equality is neither possible nor desirable. It is argued that the most a society can do is to try and reduce the gaps between the richest and poorest members of society. Do you agree? | 6 | Evaluation and HOT |

ARMY PUBLIC SCHOOL GWALIOR
CLASS - XI
ACADEMIC SESSION 2024-25
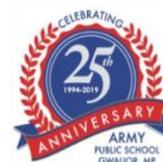## WORKSHEET (SELF –ASSESSMENT)

Subject: Physical Education　　　　　　　　**Assignment No. : 7**

Allotment Date: 31 December 2024

S. No.	QUESTIONS	MARKS	NATURE
Part- A	Answer the following questions:	4X2=8	
1.	The Female Athlete Triad includes all of the following components except: A) Disordered eating B) Bone fractures C) Amenorrhea D) Osteoporosis	2	Understanding
2.	Which of the following is a benefit of participating in sports for children? A) Decreased social skills B) Increased risk of injuries C) Improved self-esteem D) Decreased physical fitness	2	Understanding
3.	The term 'CWSN' stands for: A) Children with Serious Needs B) Children with Special Needs C) Children with Selective Needs D) Children with Sensitive Needs	2	Knowledge
4.	The main function of carbohydrates in the body is: A) Energy production B) Muscle growth C) Hormone regulation D) Water balance	2	Knowledge
Part- B	Answer the following questions in 60 to 90 words:	4X3=12	
1.	Explain the concept of 'tournament' and list two types of tournaments.	3	Understanding
2.	Explain the role of proteins in sports performance.	3	Application
3.	Mention two asanas that help in improving flexibility and describe their benefits.	3	Understanding
4.	What are the objectives of intramural and extramural activities?	3	Understanding
Part- C	Answer the following questions in 150 to 180 words	4X5=20	
1.	Explain the concept of inclusion in sports for CWSN.	5	Understanding
2.	Explain the significance of role models in promoting women's participation in sports.	5	Understanding
3.	What are the main features of the Paralympics?	5	Knowledge
4.	List two common sports injuries in children and suggest ways to prevent them.	5	Analytical

ARMY PUBLIC SCHOOL GWALIOR
CLASS - XI
ACADEMIC SESSION 2024-25
WORKSHEET (SELF –ASSESSMENT)

Subject: Psychology   **Assignment No. : 7**

Allotment Date: 31 December 2024

S. NO.	Questions	MARKS	NATURE
1	Pigets stage of cognitive development in which an infant explores the world by coordination of sensory experiences with physical action is called as (a)sensory motor stage (b) preoperational stage (c) concrete operational stage (d) formal operational stage	1	Information
2	Development is influenced by an interplay of (a) biological and socio process (b) cognitive processes (c) emotional processes (d) all of the above	1	Information
3	In an experiment what is the independent variable (a) the variable that is measured (b) the variable that is manipulated (c) the variable that is affected by other (d) None of the above	1	Knowledge
4	The changes that follow an orderly sequence and are largely dictated by the genetic blueprint which produces commonalities in our growth and development, is termed as	1	Knowledge

	(a) maturation		
	(b) development		
	(c) growing		
	(d) mean		
5	The process by which an individual grows and changes throughout the life cycle is termed as (a) growth (b) development (C) maturation (d) observation	1	Information
6	Which type of research design involves both cross-section and longitudinal approaches? (a) experimental (b) observational (c) sequential (d) case study	1	Understanding
7	Which ethical principal emphasizes the importance of minimizing benefits to participants in a study? (a)deception (b) confidentiality (c) beneficence (d) autonomy	1	Understanding
8.	Evolution proceeds at? (a) A very fast pace (b) A slow pace (C) Avery slow pace (D) all of the above	1	Information
9	Which of the following is socio-historical circumstances? (a) divorce of parents (b) parents economic setback (C) buying a new car (d) both (a)and(b)	1	Knowledge

10.	In a recherché study, the dependent variable (a) manipulated by the researcher (b) manipulated by the participant (C)the variable being observed (D) confounding	1	Information
11	What is the impact of development in india?	2	Understanding
12	Explain the cognitive development?	2	Understanding
13	Explain the the socio emotional development?	2	Information
14	Compared to other which bodily part the fast and why?	2	Information
15	Explain socialist communist model of development?	3	Critical thinking
16	Differentiate between interview and questionnaire?	3	Critical thinking
17	Describe the experimental method?	3	Information
18	What are the principal of development?	3	Understanding
19	Describe the development stages of adolescence in details ?	6	Critical thinking
	Seema was playing with her daughter on a school holiday. On their walk in the neighborhood park, she showed jiya four red benches and two white ones. She then asked jiyA Are there more red benches or more benches jiya pondered this question and finally said more red benches after they came home jiya said that she wanted to go to the market also to buy a dog stuffed toy for her father birthday. When seema said that maybe her father might want a different gift since he does not like to play with toys jiya was emphatic no stuffed toys are the best gift when I got a dog toy for my birthday I was so happy.		
20	Which stage of cognitive development do you think jiya is in ?	2	Critical thinking
21	What are the major differences between preoperational and concrete operational stage	2	Critical thinking

Subject: Painting   **Assignment No. : 7**
Allotment Date: 31 December 2024

S. NO.	QUESTIONS	MARKS
1.	In which A.D. Meenakshi Temple, Rameshwaram Temple was made? (a) 1400 A.D. (b) 1500 A.D. (c) 1600 A.D. (d) 1700 A.D.	1
2.	On the basis of how many broad orders Indian Temples can be classified? (a) One (b) Two (c) Three (d) Four	1
3.	Iconography means- (a) Symbolic representation attached to an image Symbolic (b) representation attached to an line Symbolic (c) representation attached to God (d) Symbolic representation attatched to social context	1
4.	Vesara style is a/ an- (a) Dependent Style (b) Self Style (c) Independent Style (d) Both (a) and (b)	1
5.	In which time period 'Descent of Ganga' sculpture was made? (a) Circa 6th Century A.D. (b) Circa 7th Century A.D.	1

	(c) Circa 8th Century A.D.	
	(d) Circa 9th Century A.D.	
6.	Where is 'Descent of Ganga' located? (a) Tamil Nadu (b) Maharashtra (c) Uttar Pradesh (d) Madhya Pradesh	1
7.	Who made 'Descent of Ganga'? (a) Cholas (b) Mouryas (c) Pallavas (d) Both (a) and (b)	1
8.	'Ravana Shaking Mount Kailash' was made by? (a) Chollas (b) Pallavas (c) Rajputanas (d) Rashtrakutas	1
9.	In Ravana shaking mount kailash sculpture what was done by Ravana? (a) Lifting of Mount Everest (b) Lifting of Rock (c) Lifting of Mt. Kailash the abod of Lord Shiva (d) Lifting of Temple of Lord Shiva	1
10.	Where is the location of 'Ravana Shaking Mount Kailash' sculpture? (a) Maharashtra (b) Madhya Pradesh (c) West Bengal (d) Andhra Pradesh	1

11.	The newest term in use nowadays for art and craft is
	
	   (a) Fine arts
	
	   (b) Performing arts
	
	   (c) Visual art
		1

	(d) Aesthetics	
12.	The space that lies between the work of art and the beholder is called (a) Aesthetic distance (b) Safe distance (c) Positive space (d) Negative space	1
13.	The term used to define the illusion of distance. depth and third dimension on a flat plane in drawing and painting is (a) Balance (b) Dominance (c) Rhythm (d) Perspective	1
14.	Who can be called as an Art connoisseur (a) A person who create a work art (b) A person who pay sponsor for art (c) A person who can recognize and differentiate a style/a moment and a period (d) A person who studies art	1
15.	Hatching, Stippling, Scumbling are the term used for_____ (a) Color application (b) Light and Shade (c) Brush strokes (d) Space	1
16.	Which of the following paintings from prehistoric era hint of X-ray imaginary? (a) Roaring Animal (b) Wizard's Dance (c) Wild Bison (d) Hunting Scene	1
17.	Choose the correct order of prehistoric periods? (a) Upper Paleolithic, Mesolithic , Chalcolithic or Copper age, Early Historic, Medieval (b) Chalcolithic or Copper age, Medieval, Upper Paleolithic, Mesolithic, Early Historic	1

	(c) Early Historic, Medieval Upper Paleolithic, Mesolithic Chalcolithic or Copper age	1
	(d) Mesolithic, Chalcolithic or Copper age, Upper Palcolithic, Early Historic, Medicval	
18.	Which of the following is the medium used for making the bull seal? (a) Lime stone (b) Terracotta (c) Bronze (d) Steatite {white river stone}	1
19.	Which of the following is the location of the figure of the dancing girl? (a) Mohanjodaro (b) Lothal (c) Kalibangan (d) Harrappa	1
20.	Which of the following is the sculpture of Indus valley with an elaborate head gear? (a) Dancing girl (b) High priest (c) Male torso (d) Mother Godess	1
21.	Lost was process is an important technique for which of the following ? (a) Painting (b) Metal casting (c) Graphics (d) Pottery	1
22.	The tram Greco-roman-Buddhist art is used for which of the following periods: (a) Sunga (b) Maurya (c) Kushan-Gandhara (d) Gupta	1
23.	The first representation of the Buddha in human form is attributed to which school in art history (a) Gandhara and Mathura (b) Gupta art	1

	(c) Mauryan dynasty	
	(d) Sunga period	
24.	For which of the following reasons is the didarganj yakshi called as the " Indian monalisa"	1
	(a) The enigmatic half smile on her lips	
	(b) Mirror like polish	
	(c) Elaborate jewellery	
	(d) Elegantly draped clothes	
25.	In which cave is the painting of padampani bodhisatva found?	1
	(a) Cave no.1	
	(b) Cave no.10	
	(c) Cave no.17	
	(d) Cave no.26	
26.	Which of the following is not included in the subject matter of Ajanta painting?	1
	(a) Jataka tales	
	(b) Natural scenes	
	(c) Bodhisattvas	
	(d) Trimurti	
27.	Under which Indian dynasty was "the descent of ganges" made	1
	(a) Chandelas	
	(b) Pallavas	
	(c) Cholas	
	(d) Rashtrakutas	
28.	What is the location of the sculpture of "ravana shaking mount kailash" ?	1
	(a) Kailashnath temple (cave no.16) at Ellora	
	(b) Elephant near bombay,Maharashtra	
	(c) Konark in orrisa	
	(d) Vimala vasahi temple	
29.	What do the four hand of shiva natraj symbolize?	1
	(a) Four vices	
	(b) Four companions	
	(c) Four cardinal directions	

	(d) None of these	
30.	The term ' cire perdue ' is used for which of the following (A) Shive's angular posture (B) Bronze casting (C) Terracotta technique (D) None of these	1

Subject: Health and Physical Education　　　　　　　　　　**Assignment No. : 7**
Allotment Date: 31 December 2024

S. No.	QUESTIONS	NATURE	MARKS
1	MCQ A. What is the height of Antina ? i) 1.80 m. ii) 1.70 m. iii) 1.82 m. iv) 2.00 m.	Understanding)	4×1=4
	B) What is the distance between centre line and attack line? i) 2 m. ii) 3 m. iii) 4 m. iv) 5 m.	Informatory	
	C) What is height of net in volleyball for women? i) 2.24 m. ii) 1.90 m. iii) 1.82 m. iv) 2.00 m.	Analytical	
	D) During Volleyball match players rotate in which direction? i) Clock wise ii) Anti clock wise	Informaton	

	iii) Circular iv) Anit clock wise and clock wise		
2.	B) Fill In the Blanks: - i. When volleyball is played in the sand, it is called _____ volleyball.	Informatory	3×1=3
	ii. A ball is considered fair if it touches the endline or the _____.	Informatory	
	iii. A type of forearm pass is called a _____.	Understanding	
3.	True/False i. . The ball can be served any where behind the back line. True False	Understanding	3×1=3
	ii.The ball may hit any part of the body and still be a legal hit. True False	Understanding	
	iii. A volley ball team must win by a two-point advantages. True False		

ARMY PUBLIC SCHOOL GWALIOR
CLASS - XI
ACADEMIC SESSION 2024-25
WORKSHEET (SELF –ASSESSMENT)

Subject: NCC   **Assignment No. : 7**

Allotment Date: 31 December 2024

S. NO.	QUESTIONS	MARKS	NATURE
1	In which city the national institute of Disaster Management is situated? a) Kolkata b) New Delhi c) Hyderabad d) Manipur	1	Information
2	Which wave of an earthquake is produced by a rolling effect along the earth's surface? a) L wave b) P wave c) S wave d) None of the above	1	Knowledge
3	How many steps are there in the disaster recovery process? a) 7 b) 4 c) 8 d) 5	1	Information
4	Select the correct full form of ISDR? a) International Sustainable Development Report b) International Strategy for Disaster Reduction c) International Significant Disaster Resources d) Intergovernmental Strategy for Developing Recreation	1	Knowledge

5	Who released the first Disaster Management Plan of India?	1	Information
	a) H. D. Deve Gowda		
	b) Atal Bihari Vajpayee		
	c) Manmohan Singh		
	d) Narendra Modi		
6	Communication helps officials to _____ the employees.	1	Knowledge
	a) Eliminate		
	b) Motivate		
	c) Threaten		
	d) Apprise		
7	The general categories of communications are-	1	Critical Thinking
	a) Speech, writing		
	b) Printing		
	c) Electronic communication		
	d) All of the above		
8	Common kinds of narrative skills are -	1	Critical Thinking
	a) How to do something		
	b) How something works		
	c) Both a & b		
	d) Arrange the information properly		
9	The most crucial part of the _____ process is thinking of converting to _____ what one hears.	1	Critical Thinking
	a) reading; understanding		
	b) speaking; meaning		
	c) hearing; interpreting		
	d) listening; meaning		
10	International day of Natural Disaster Reduction is celebrated on?	1	Information
	a) June 15		
	b) March 5		
	c) October 13		
	d) September 13		

11	What is the full form of SWOT?	2	Knowledge
12	What do you understand by communication?	2	Critical Thinking
13	Explain any two dimensions of a person's personality.	2	Analytical Thinking
14	Write three differences between landslide and earthquake.	4	Analyzing
15	What are the responsibilities of national executive committee (NEC)?	4	Information
16	Write about any five major effects of natural calamities.	4	Critical Thinking
17	Explain the responsibilities of NDMA? Write five points. 6	6	Information
18	What are the guidelines for effective listening?	6	Critical Thinking

ARMY PUBLIC SCHOOL GWALIOR
CLASS - XI
ACADEMIC SESSION 2024-25
WORKSHEET (SELF –ASSESSMENT)

Subject: Computer Science   **Assignment No. : 7**
Allotment Date: 31 December 2024
 General Instructions:

1. Please check this question paper contains 21 questions.

2. The paper is divided into 5 Sections- A, B, C, D and E.

3. Section A, consists of 11 questions (1 to 11). Each question carries 1 Mark.

4. Section B, consists of 4 questions (12 to 15). Each question carries 2 Marks.

5. Section C, consists of 4 questions (16 to 19). Each question carries 3 Marks.

6. Section D, consists of 1 question (20). Carries 4 Marks.

7. Section E, consists of 1 question (21). Carries 5 Marks.

8. All programming questions are to be answered using Python Language only.

Q No.	Questions	Marks
	Section-A (11 Marks)	
1	**Name some commonly used sorting techniques.** a) Merge Sort, Quick Sort, Selection Sort, Bubble Sort b) Binary Sort, Linear Sort, Radix Sort, Heap Sort c) Selection Sort, Insertion Sort, Bubble Sort, Quick Sort d) Recursive Sort, Iterative Sort, Heap Sort, Quick Sort	1
2	**What is the basic principle of sorting in Bubble Sort?** a) Compare the first and last elements and sort b) Repeatedly compare adjacent elements and swap if necessary c) Divide the list into two halves and sort recursively d) Select the largest element and move it to the beginning	1
3	**Show the contents of the following array after the second iteration of Bubble Sort: 35, 6, 8, 11, 15, 9, 7, 22, 41, 65.** a) 6, 8, 11, 9, 7, 15, 22, 35, 41, 65 b) 6, 35, 8, 11, 15, 9, 7, 22, 41, 65 c) 6, 8, 35, 11, 15, 9, 7, 22, 41, 65 d) 6, 8, 11, 15, 9, 7, 22, 35, 41, 65	1

4	**Considering the key set 42, 29, 74, 11, 65, 58, use Insertion Sort to sort the data in ascending order. What is the first sorted sequence?** a) 29, 42, 74, 11, 65, 58 b) 42, 74, 11, 65, 29, 58 c) 29, 42, 74, 58, 65, 11 d) 74, 42, 29, 11, 65, 58	1
5	**Why do the number of comparisons reduce in every successive iteration in Bubble Sort?** a) Because fewer elements are swapped in each pass b) Because the heaviest element gets fixed at the correct position c) Because elements are removed after sorting d) Because adjacent comparisons decrease exponentially	1
6	**On which basis can you determine if an algorithm is efficient?** a) Number of elements in the array b) The programming language used c) The number of operations in its worst case d) Time taken by the computer to execute	1
7	**What is the main difference between Bubble Sort and Insertion Sort techniques?** a) Bubble Sort is recursive; Insertion Sort is iterative b) In Bubble Sort, elements are compared and swapped; In Insertion Sort, elements are inserted into the correct position c) Bubble Sort is for strings; Insertion Sort is for numbers d) Bubble Sort requires more space; Insertion Sort requires less	1
8	**When and why would you choose Insertion Sort over Bubble Sort?** a) When the dataset is very large b) When the array is nearly sorted, as Insertion Sort has fewer operations in the best case c) When speed is not a priority d) When Bubble Sort cannot handle the array size	1
9	**What is sorting? Name some sorting techniques.** a) Arranging data in a specific sequence; e.g., Binary Search, Quick Sort b) Organizing data; e.g., Linear Search, Bubble Sort c) Arranging data in ascending/descending order; e.g., Bubble Sort, Quick Sort d) Filtering data by condition; e.g., Selection Sort, Merge Sort	1
10	**Why is Insertion Sort considered a better algorithm than Bubble Sort?** a) It is faster in the worst case b) It uses fewer operations in the best case c) It handles larger datasets more efficiently d) It has fewer comparisons in the worst case	1
11	**In which situations does Insertion Sort become inefficient?** a) When the array is large b) When the array is already sorted	1

	c) When the array is almost reverse sorted	
	d) When there are duplicate elements	
Q No.	**Questions**	**Marks**
	Section-B (8 Marks)	
12	Write the algorithm for Bubble Sort.	2
13	Compare Bubble Sort with Insertion Sort.	2
14	Define sorting. What are the two critical operations in sorting algorithms?	2
15	Write the program to sort a dictionary of candidates and their votes in descending order using Bubble Sort.	2
Q No.	**Questions**	**Marks**
	Section-C (12 Marks)	
16	Explain with an example how Bubble Sort works.	3
17	Describe the process of Insertion Sort and sort the following array: [50, 20, 30, 10, 40].	3
18	Analyze the efficiency of Bubble Sort and Insertion Sort based on the number of comparisons and swaps.	3
19	Write a program to perform sorting on a list of strings based on the length of the strings.	3
S No.	**Questions**	**Marks**
	Section-D (4 Marks)	
20	Write a program that sorts a list of tuples in descending order based on points using Bubble Sort.	4
S No.	**Questions**	**Marks**
	Section-E (5 Marks)	
21	Write a program to sort the following list of 3-digit integers based on their ones place: [387, 410, 285, 106].	5