ARMY PUBLIC SCHOOL GWALIOR
CLASS XI
ACADEMIC SESSION 2025-26
WORKSHEET (SELF-ASSESSMENT)

Subject: English   **Assignment No. :5**
Allotment Date: 30 October 2025   **Marks: 20+20**

PART I

BASIC(GENERAL QUESTIONS)

S. NO.	QUESTIONS	MARKS	NATURE
1.	Extract based questions Silence surrounds us. I would have Him prodigal , returning to His father's house , the home he knew, Rather than see him make and move His world. I would forgive him too , Shaping from sorrow a new love. i. What does the father want from his son ? ii. Why does the father call his son prodigal ? iii. Which poetic device is used in " Silence surrounds us" ? iv. Which poetic device is used in " Shaping from sorrow a new love" ?	4	Understanding
2.	You are Saina / Sameer of Lotus International School, Jodhpur. Your school is organising a workshop on " Prevention of Drug Abuse" in the coming week. Prepare a poster with complete information for the students.	3	Information
3.	The poem " Father to Son" talks about the universal problem of generation gap. Why does such a situation exist ?How can we avoid such situation?	3	HOTS
4.	What are the feelings of the poet towards Childhood?	3	HOTS
5.	Identify the stanzas that talk about each of the following-Individuality, Rationalism, Hypocrisy	3	Analysis
6.	Why do you think professor Gaitonde decided never to preside over meetings again?	2	Analysis
7.	Explain why Gangadhar Pant could not help comparing the country he knew with what he was witnessing around?	2	Critical Thinking
	PART II **STANDARD(COMPETENCY BASED QUESTIONS)**		

1.	Discuss how does the poet glorifies innocence in his poem " Childhood".	**3**		Analytical
2.	Explain : "You neither travelled to the past nor the future . You were in the present experiencing a different world." (The Adventure)	**3**		Critical Thinking
3.	Explain " The lack of determinism in Quantum theory" with reference to the chapter " The Adventure".	**3**		HOTS
4.	How can you infer that the father wishes to remain with his son at home ? (Poem Father to Son)	**3**		Critical Thinking
5.	Compare the story " The Adventure" with the story " We are not afraid to die" in the Snapshot.	**5**		Analytical
6.	What does the poet mean by " silence surround us" in the poem " Father to Son".	**3**		Analytical

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ARMY PUBLIC SCHOOL GWALIOR
CLASS XI
ACADEMIC SESSION 2025-26
WORKSHEET (SELF-ASSESSMENT)

Subject: Mathematics **Assignment No. :5**

Allotment Date: 30 October 2025 **Marks: 20+20**

PART I

BASIC (GENERAL QUESTION)

S. NO.	QUESTIONS	MARKS	NATURE
1	The 40th term of the series $8, 10\frac{1}{2}, 13, 15\frac{1}{2}, \ldots\ldots$ is: (a)103.5 (b) 101 (c) 105.5 (d)107	1	Understanding
2	If 9 times the 9th term of an AP is equal to 13 times the 13th term , then the 22nd term of the AP is: (a) zero (b)22 (c)220 d) 198	1	Understanding
3	If the line through (3,y) and (2,7) is parallel to the line (-1,4) and (0,6), then the value of y is: (a) -9 (b) -8 (c) 8 (d) 9	1	HOT
4	The inclination of the line x-y+3 =0 with the positive direction of x-axis is: (a) 45° (b) 135° (c) -45° (d) -135°	1	Understanding
5	If the angle between two lines is $\pi/4$ and the slope of one of the lines 1/2, find the slope of the other line.	2	HOT
6	Line through the points (-2,6) and (4,8) is perpendicular the line through the points (8,12) and (x,24). Find the value of x.	2	Understanding
7	Using binomial theorem, prove that 6^n -5n always leaves remainder 1 when divided by 25.	2	Understanding

8	If G.M. between two positive numbers is 16. If one numbers is 32, find the other number.	2	HOT
9	How many two-digit numbers are divisible by 8?	2	Information
10	Check whether the points A(3,6,9) , B(10,20,30), and C(25,-41,5) are the vertices of a right triangle?	3	Understanding
11	Case Study: Consider the following population and year graph. Based on the above information, answer the following: (i) Find the slope of the line AB. (ii) Find the equation of the line AB. (ii) Find the equation of the line perpendicular to line AB and passing (1995, 97).	3	HOT
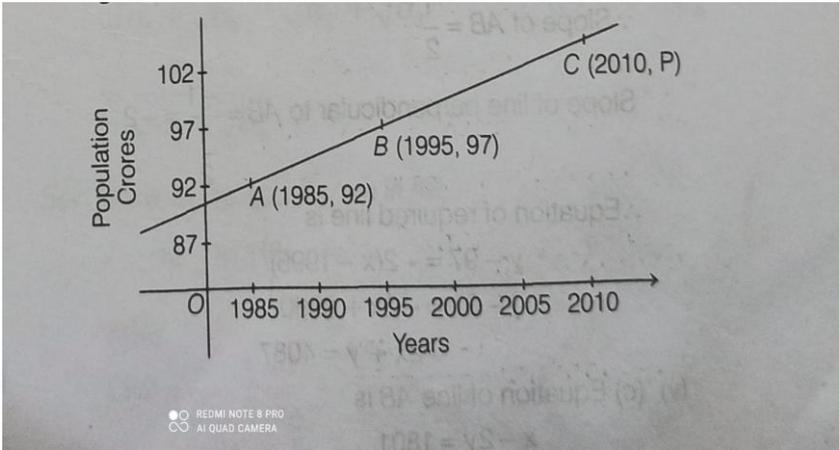
PART II

STANDARD (COMPETENCY BASED QUESTIONS)

12	If the geometric mean of a and b is 6 and the geometric mean of b and c is 12, then the ratio of c and a is: (a) 4:1 (b) 2:1 (c) 1:2 (d) 1:4	1	Analytical Skill
13	The number of diagonals that can be formed by a polygon of 100 sides is: (a) 4950 (b) 4850 (c) 5000 (d) 10,000	1	Understanding
14	The line 6x+8y+1=0 makes intercepts p,q on co-ordinate axis. The value of p+q is: (a) 7/24 (b) -7/24 (c) 14 (d) −14	1	Interdisciplinary

15	**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. (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 the not correct explanation of A. (c) A is true but R is false. (d) A is false but R is true. **Assertion**: The lines x-3y +4=0 and 3 x+y+7=0 are perpendicular. **Reason**: Product of slopes of lines is -1.	**1**	HOT
16	**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. (e) Both A and R are true and R is the correct explanation of A. (f) Both A and R are true and R is the not correct explanation of A. (g) A is true but R is false. (h) 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**	HOT
17	Using section formula, show that the points A (2,-3,4), B (-1,2,1) and C (0,1/3,2) are collinear.	**3**	HOT
18	The perpendicular from the origin to a line meets it at a point (-2,9), find the equation of the line.	**3**	Critical Thinking and Problem Solving
19	Case Study: Consider the triangle ABC with vertices A(1,4), B(2,-3) and C(-1,-2) shown as in figure. Where AD is the median and AM is the altitude through A.	**4**	Critical Thinking and Problem Solving
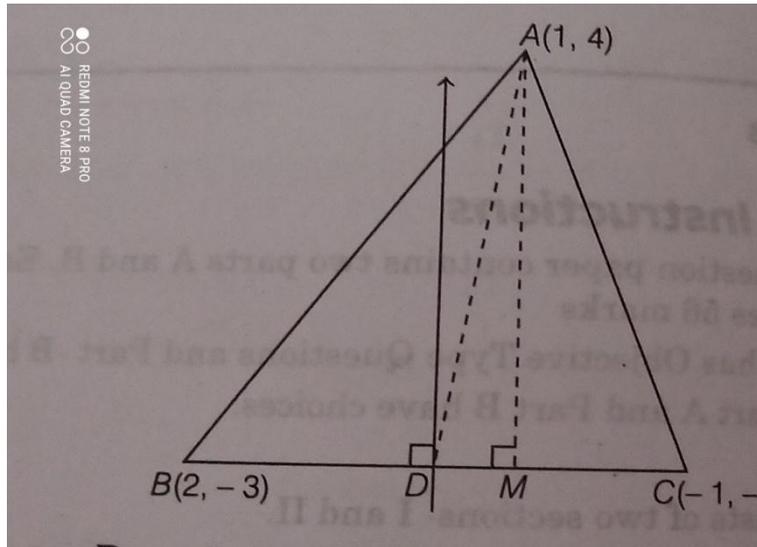
Based on the above information, answer the following questions:

      (iii)   Find the slope of BC.
      (ii)   Find the equation of median through A.
      (iv)   Find the equation of altitude through A.

| 20 | If p and q are the lengths of perpendiculars from the origin to the lines $x \cos\theta - y \sin\theta = k \cos2\theta,$ and $x \sec\theta + y \csc\theta = k,$ respectively, prove that $p^2 + 4q^2 = k^2$. | 5 | Critical Thinking and Problem Solving |

ARMY PUBLIC SCHOOL GWALIOR
CLASS XI
ACADEMIC SESSION 2025-26
WORKSHEET (SELF-ASSESSMENT)

Subject: Chemistry

Allotment Date: 30 October 2025

Assignment No. :5

Marks: 20+20

PART I

BASIC(GENERAL QUESTIONS)

S. NO.	QUESTIONS	MARKS	NATURE
1	1. A well stoppered thermos flask contains some ice cubes. This is an example of (a) Closed system (b) Open system (c) Isolated system (d) Non thermodynamics system 2. For the reaction $C(s) + O_2(g) \rightarrow CO_2(g)$ (a) $\triangle H > \triangle U$ (b) $\triangle H < \triangle U$ (c) $\triangle H = \triangle U$ (d) None of these 3. For an ideal gas, C_V and C_P are related as : (a) $C_V - C_P = R$ (b) $C_V + C_P = R$ (c) $C_P - C_V = RT$ (d) $C_P - C_V = R$ 4. The least random state of the water system is: (a) ice (b) liquid water (c) steam (d) randomness is same 5. Considering entropy(S) thermodynamic parameters the criteria for the spontaneity of any process is: (a) $\triangle S$ system + $\triangle S$ surroundings > 0 (b) $\triangle S$ system − $\triangle S$ surroundings < 0 (c) $\triangle S$ system > 0 (d) $\triangle S$ surroundings > 0	**1x5=5**	Knowledge
2	**Directions:** These questions consist of two statements, each printed as Assertion and Reason. While answering these questions, you are required to choose any one of the following four responses. (a) If both Assertion and Reason are correct and the Reason is a correct explanation of the Assertion. (b) If both Assertion and Reason are correct but Reason is not a correct explanation of the Assertion. (c) If the Assertion is correct but Reason is incorrect. (d) If both the Assertion and Reason are incorrect. 1. Assertion : Enthalpy of formation of graphite is zero but of diamond it is not zero.	**2**	Understanding

| | Reason : Enthalpy of formation of the most stable allotrope is taken as zero.

2. Assertion : Heat of neutralisation for both H_2SO_4 and HCl with NaOH is 53.7 kJ mol^{-1}.
Reason : Both HCl and H_2SO_4 are strong acids. | | |
|---|---|---|---|
| 3 | Change in internal energy is a state function while work is not, why? | **2** | Understanding |
| 4 | Why is the difference between ΔH and ΔU not significant for solids or liquids? | **3** | Knowledge |
| 5 | Show that for an ideal gas Cp-Cv=R | **3** | Analytical |
| 6 | Why standard entropy of an elementary substance is not zero whereas standard enthalpy of formation is taken as zero? Under what conditions will the reaction occur, if (i) both ΔH and ΔS are positive (ii) both ΔH and ΔS are negative | **5** | Understanding |
| | | | |
| | **PART II** **STANDARD(COMPETENCY BASED QUESTIONS)** | | |
| 1 | 1.The enthalpy change in a reaction does not depend upon (a) the state of reactions and products (b) the nature of the reactants and products (c) different intermediate steps in the reaction (d) initial and final enthalpy of the reaction 2. The correct relationship between free energy change in a reaction and the corresponding equilibrium constant K_C is (a) $-\triangle G = RT \ln K_C$ (b) $\triangle G^0 = RT \ln K_C$ (c) $-\triangle G^0 = RT \ln K_C$ (d) $\triangle G = RT \ln K_C$ 3. What is the entropy change (in JK^{-1} mol^{-1}) when 1 mole of ice is converted into water at $0°C$? (The enthalpy change for the conversion of ice to liquid water is 6.0 kJ mol^{-1} at $0°C$) (a) 20.13 (b) 2.013 (c) 2.198 (d) 21.98 4. If liquids A and B form an ideal solution (a) the entropy of mixing is zero (b) the free energy of mixing is zero (c) the free energy as well as the entropy of mixing are zero (d) the enthalpy of mixing is zero 5.. When water is added to quick lime the reaction is (a) Explosive (b) endothermic (c) exothermic (d) photochemical | **1X5=5** | Understanding |

2	**Directions:** These questions consist of two statements, each printed as Assertion and Reason. While answering these questions, you are required to choose any one of the following four responses. (a) If both Assertion and Reason are correct and the Reason is a correct explanation of the Assertion. (b) If both Assertion and Reason are correct but Reason is not a correct explanation of the Assertion. (c) If the Assertion is correct but Reason is incorrect. (d) If both the Assertion and Reason are incorrect. **1.** Assertion : Some salts are sparingly soluble in water at room temperature. Reason : The entropy increases on dissolving the salts. Answer 2. Assertion : Spontaneous process is an irreversible process and may be reversed by some external agency. Reason : Decrease in enthalpy is a contributory factor for spontaneity. .	2	HOT
3	With the help of first law of thermodynamics and $H = U + pV$ prove $\Delta H = q_p$	2	Analytical Skills
4	Explain how is enthalpy related to spontaneity of a reaction?.	3	Understanding
5	It has been found that 221.4J is needed to heat 30g of ethanol from 15^oC to 18^oC. Calculate (a) specific heat capacity, and (b) molar heat capacity of ethanol..	3	HOT
6	Calculate the heat of combustion of ethylene (gas) to from CO_2 (gas) and H_2O (gas) at 298K and 1 atmospheric pressure. The heats of formation of CO_2, H_2O and C_2H_4 are $-393.7, -241.8$, $+52.3kJ$ per mole respectively.	5	HOT

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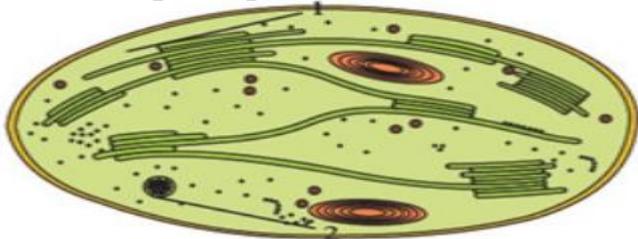## WORKSHEET (SELF-ASSESSMENT)

Subject: Biology   **Assignment No. :5**
Allotment Date: 30 October 2025   **Marks: 20+20**

PART I
BASIC (GENERAL QUESTIONS)

S. NO.	QUESTIONS	MARKS	NATURE
1	MCQ BASED QUESTIONS Photosynthetic pigments found in the chloroplasts occur in a) Chloroplast envelope b) Matrix c) Plastoglobules d) Thylakoid membranes	1	Information
2	Which of the following pigments acts as a reaction-centre during photosynthesis? a) Cytochrome b) P_{700} c) Carotene d) Phytochrome	1	Information
3	VERY SHORT ANSWER QUESTIONS Answer the following questions based on the equation given below: $2H_2O \rightarrow 2H^+ + O_2 + 4e^-$ a) Where in plants does this reaction occur? b) What is the importance of this reaction?	2	Understanding
4	How do photosynthetic bacteria such as Cyanobacteria conduct photosynthesis in the absence of chloroplasts?	2	Information
5	SHORT ANSWER QUESTIONS How are succulents able to meet their photosynthetic CO_2 requirements as they are known to keep their stomata closed during the day to check transpiration?	3	Remembering
6	Define accessory pigments. State their significance in photosynthesis.	3	Interdisciplinary

7	Do photosynthetic reactions such as dark reactions require light? Explain.	3	Understanding
8	Does photosynthesis occur in leaves only? If no, what are the other parts that are capable of carrying out photosynthesis? Justify.	5	Critical thinking
	PART II STANDARD (COMPETENCY BASED QUESTIONS)		
9	ASSERTION REASON BASED QUESTION • Assertion: Dark reactions of photosynthesis are temperature-controlled. Reason: Most of the reactions in the dark reactions are enzymatic. (Both are true, and the reason correctly explains the assertion)	1	Understanding based question
10	• Assertion: The chloroplasts of bundle sheath cells in C4 plants are granal. Reason: PS II is mostly found in the appressed part of the granum. (Assertion is false, and reason is true)	1	Real life application based on CBQ
11	• Assertion: Light-harvesting complexes on the thylakoid membrane broaden the range of light absorption. Reason: They transfer electrons to the reaction center. (Both are true, and the reason correctly explains the assertion)	1	Information based question
12	Observe the given figure: a) Is this composition present in a plant cell or animal cell? b) Can it be inherited by the offspring? How? c) Write the metabolic processes that are occurring at the places marked as (1) and (2) in the figure	2	Application based CBQ
13	a) Where is the enzyme NADP reductase located? b) What does the breakdown of proton gradient cause the release of?	2	Real life relevance based CBQ
14	Can we perform girdling experiments on monocots? State why if yes or no.	2	Understanding based CBQ
15	What is the relationship between photosynthesis and respiration?	3	Critical thinking based question
16	How are short plants growing below thick canopies and receiving filtered light able to carry out photosynthesis in tropical rain forests?	3	Evaluation based CBQ
17	Name the pigment that is responsible for its ability to initiate the process of photosynthesis. The rate of photosynthesis is higher in the red and blue regions of the spectrum of light, why?	5	Analytical skill based CBQ

ARMY PUBLIC SCHOOL GWALIOR
CLASS XI
ACADEMIC SESSION 2025-26
WORKSHEET (SELF-ASSESSMENT)

Subject: Accountancy
Allotment Date: 30 October 2025

Assignment No. :5
Marks: 20+20

PART I

BASIC (GENERAL QUESTIONS)

S. NO.	QUESTIONS	MARKS	NATURE
1	Assets sold on credit will be recorded in: (a) Sales book (b) Purchase book (c) Journal propre (d) None of the above	1	Knowledge
2	A bank reconciliation statement is prepared by? (a) Banker (b) Accountant of the business (c) Auditors (d) Registrar	1	Knowledge
3	Which of the following transactions is entered into Journal Proper? a) Cash payment to an employee for expenses b) Cash purchase of goods for resale c) Correction of an error d) Credit purchase of goods for resale	1	Understanding
4	Bank Reconciliation Statement is prepared: a) At the end of each week b) At the end of each month c) At the end of the accounting year d) Whenever a bank statement is received	1	Critical thinking
5	Bank Reconciliation Statement is prepared: a) To know payments made through cheques b) To know the errors in the Bank Pass Book. c) To compare the Cash Book balance with Bank Pass Book balance and ascertain the difference. d) None of the above	1	Critical thinking
6	In which of the following books, will the return of typewriter on 30th January be recorded? (a) Purchase returns book (b) Journal proper (c) Cash book (d) None of the above	1	Knowledge
7	Which of the following about the purchase book is correct? (a) It records purchases of all types (b) It records all credit purchases of the goods, the enterprise deals in (c) It records all cash purchases of the goods, the enterprise deals in (d) None of the above	1	Knowledge
8	State the causes of difference occurred between cash book and pass book due to time lag.	3	Remembering, understanding and analysing

9	M/s Ram Narain & Sons of Kerala, who are dealers in readymade garments, purchased the following :-	4	Analysing and computing
	2017		
	May 2	Purchased from Fashion House, Mumbai (Maharashtra) :-		
		100 Shirts @ Rs.1,800 per Shirt		
		75 T-shirts @ Rs. 1,600 per piece		
		Less: Trade Discount 20%; and freight charges payable Rs. 10,000.		
	10	Purchased from Appolo Garments, Kerala :-		
		65 Shirts @ Rs. 2,000 per piece		
		80 T-shirts @ Rs. 1,500 per piece		
		Less: 20% Trade Discount and freight charges payable Rs. 2,000.		
	May 15	Purchased from Garden Furniture House, Kolkata :-		
		12 **Chairs** @ Rs. 5,000 per Chair		
	25	Purchased from Amitabh Shirts, New Delhi **for cash** :-		
		120 Shirts @ Rs. 1,500 per Shirt		

Prepare Purchase Book

10	Rim Zim Ltd. maintains a current account with the State Bank of India. On 31st March, 2017, the bank column of its cash book showed a debit balance of Rs.1,54,300. However, the bank statement showed a different balance as on that date. The following were the reasons for the difference :	6	Remembering, understanding and computing

(i)	Cheques deposited, but not yet credited by the bank	75,450
(ii)	Cheques issued, but not yet presented for payment	80,760
(iii)	Bank charges not yet recorded in the cash book	1,135
(iv)	Cheques received by the bank directly from trade debtors	1,35,200
(v)	Insurance premium paid by the bank as per standing instructions, but not yet recorded in the cash book	15,400
(vi)	Dividend collected by the bank, but not yet recorded in the cash book	1,000

Find out the balance as per the bank statement as on 31st March, 2017.

PART II
STANDARD (COMPETENCY BASED QUESTIONS)

1	Which of the following statement is incorrect:	1	Critical thinking
	i. Purchase Book records cash and credit purchases during the year.		
	ii. Salse Account shows cash sales and credit sales during the year.		
	iii. Goods purchased for cash are recorded in Purchases Account.		
	iv. Purchase of Machinery on credit is recorded in Purchases Book.		
	a) (i) & (ii)		
	b) (i) & (iv)		
	c) (ii) & (iv)		
	d) Only (i)		

2	A business receives its Bank Statement showing the closing balance as Rs.8,500 overdrawn. It is found that there were unpresented cheques of Rs.2,000 and uncredited deposits of Rs.1,500. Overdraft as per Cash Book is: a) Rs.5,000 b) Rs.8,000 c) Rs.9,000 d) Rs.12,000	1	Understanding
3	The differences between the cash book and the bank pass book is caused by (i) timing differences in recording of the transactions. (ii) errors made by the business or by the bank. (a) Only (i) (b) Only (ii) (c) Both (i) and (ii) (d) Neither (i) nor (ii)	1	Logical analysis
4	Which of the following is an example of difference caused due to time gap in cash book and pass book? (a) Cheques issued by the firm to suppliers worth ` 50,000 not presented by supplier to the bank for payment immediately. (b) Cheques paid into the bank of ` 75,000 but not yet collected. (c) Cheque collection charges worth ` 25,000 levied by bank. (d) All of the above	1	In depth knowledge
5	Which of the following points out the need of bank reconciliation statement? (a) It helps in locating any error that may have been committed either in the cash book or in the pass book. (b) It helps in bringing out the unnecessary delay in the collection of cheques by the bank. (c) It helps in avoiding embezzlements or misappropriation of funds by regular periodic reconciliation. (d) All of the above	1	In depth knowledge
6	If bank balance as per cash book is ` 50,000, cheques issued but not presented for payment of ` 6,000 and bank charges of ` 400 were not entered in the cash book, then balance as per pass book will be (a) ` 50,000 (b) ` 56,000 (c) ` 55,600 (d) ` 56,400	1	In depth knowledge
7	One outgoing cheque of ` 300 was recorded twice in the cash book. How will it be treated for the purpose of bank reconciliation statement? (a) ` 600 will be added to the balance as per cash book. (b) ` 300 will be deducted from the balance as per cash book. (c) ` 300 will be added to the balance as per cash book. (d) None of the above	1	In depth knowledge
8	Explain need or importance of Bank Reconciliation Statement.	3	Understanding
9	Enter the following transactions in Purchase Book of M/s. Gurman Brothers, Mumbai: 2023 April 1 — Purchased goods from Joshi Brothers, Mumbai vide Invoice No.210: 10 Philips Tube lights @200 each 50 Crompton Bulbs @100 each Trade discount @10% April 6 — Purchased against cash Havells's Tub lights @180 each less 10% Trade discount. April 10 — Purchased goods from Rajesh electric Store. Delhi vide invoice No. 18 25 Heaters @ Rs.800 each, 10% Trade discount 15 Crompton Fans @Rs.1,600 each, 10% Trade discount Paid packing charges Rs.100	4	Understanding and computing

	April 16	Purchased goods from Supreme Electric Store, Delhi vide Invoice No. 125: 5 dozen Philips Bulbs @100 each 25 Power Plugs @ Rs.80 each Trade discount is 10% and freight charges are Rs.75.		

10		From the following information, determine the balance of the Bank Pass Book of Amrit as on 31st March, 2023:
		  i. Bank Overdraft of Rs.63,400 as per Cash Book on 31st March, 2023.
		  ii. Interest on overdraft for 6 months ended 31st March, 2023 Rs. 1,600 entered in the bank Pass Book was not recorded in the Cash Book.
		  iii. Bank charges of Rs.300 are debited in the Pass Book but are not recorded in Cash Book.
		  iv. Cheques but not presented for payments prior to 31st March, 2023, were Rs.11,680.
		  v. Cheques deposited in the bank but not collected before 31st March, 2023 were for Rs.21,700.
		  vi. Interest on investment collected by the bank and credited in the Bank Pass Book Rs.12,000.
		  vii. Credit side of the Bank column of the Cash Book was undercast by Rs.1,000.
			6	Understanding and computing

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ARMY PUBLIC SCHOOL GWALIOR
CLASS XI
ACADEMIC SESSION 2025-26
WORKSHEET (SELF-ASSESSMENT)

Subject: Business Studies   **Assignment No. :5**
Allotment Date: 30 October 2025   **Marks: 20+20**

PART I
BASIC (GENERAL QUESTIONS)

S. NO.	QUESTIONS	MARKS	NATURE
1.	Which responsibility of the business is not the responsibility of the business to the government: (a) Following the pollution laws as set by the government (b) Establishment of the industrial undertaking as per the government norms (c) Providing after sales service (d) Payment of the fees, tax, surcharge etc. with the honesty.	1	Knowledge
2.	Which of the following statement is correct: (a) Increase in agricultural land due to land pollution (b) Plantation nearby industries decreases the noise pollution (c) Land pollution increases due to use of plastic bags (d) Use of fertilizers, chemicals and pesticides increases air pollution.	1	Remembring
3.	Which of these is a source of short-term finance? a) Shares b) Trade credit c) Debentures d) All of these	1	Knowledge
4.	Retained earnings is also known as : a) Internal financing b) Ploughing back of profits c) Self-financing d) All of these	1	knowledge
5.	The liability of equity share holder is: a) Unlimited b) Limited c) Zero d) None of these	1	Knowledge
6	You use ATM to withdraw money which type of e-commerce is this? (a) B2B (b) B2C (c) Both of them (d) None of these	1	Understanding
7	Which kind of social responsibility is purely voluntary obligation that an enterprise assumes a. Economic b. Discretionary c. Legal d. Ethical	1	Knowledge
8	Classify e-business transactions on the basis of parties involved in electronic transactions.	3	Analysis and understanding
9.	Differentiate between Equity Shares and Preference Shares on the basis of (i) rate of dividend; (ii) degree of risk; (iii) redemption;(iv) appeal to investor	4	Remembering
10	Inn Trin Ltd is a well known company in telecom sector. The company is committed to treat everyone fairly with respect and dignity , regardless is	6	Understanding

difference in age, caste, creed, gender etc. It not only abide by all the laws and and pay taxes on time, but also make serve it participate in social services projects. It prefer to give fair advertisement without any exaggeration , and change fairly from its customers and maintain quality . It managers work effectively and efficiently and minimise waste to maximize the return to their shareholders . The company is running a charitable hospital to provide medical facility to the people of that area. In the context of above case by quoting the line from the paragraph, Identify Interest group towards, which company is fulfilling its social responsibilities.

S. NO.	PART II STANDARD (COMPETENCY BASED QUESTIONS)	MARKS	NATURE
1.	If business is to operate in a society which is full of diverse and complicated problems, it may have: (a) Little chance of success (b) Great chance of success (c) Little chance of failure (d) No relation with success or failure.	1	Attention to detail
2.	Physical presence is required in case of : a) Traditional business b) E-Business c) Both a and b d) None of these	1	Attention to detail
3.	The central and state governement have established various financial institutions in the country to provide finance to business organizations. These institutions are known as …………… a. Commercial Bank b. Development Bank c. Cooperative Bank d. None of the above	1	Logical resoaning
4.	Your friend has joined as a manager in a company where conduct of Industry, trade and commerce is done using the computer network. Out of the following options which is the right term to explain the aforesaid company? (a) E-business (b) E-commerce (c) E-trade (d) E-industry	1	Critical thinking
5.	B2B commerce helps in all these except (a) Customised production (b) Improved distribution system (c) Reduce dependence on single supplier (d) Online customer surveys	1	Understanding
6	A business should take lead in protecting environment because a. They are leading creators of wealth b. They command huge human resources c. They cannot remain unaffected by environmental destruction d. All of these	1	Critical thinking
7	Excessive ploughing back may cause dissatisfaction amongst the _____ as they would get lower dividends a) Debenture holders b) Shareholders c) Lenders d) Suppliers	1	Analytical reasoning
8	Govind is manufacturer of readymade kid's garments. He sells his products through various dealers across the country. However, his sales are decreasing over the year. Recently, his wife gifted him a jacket, which she had ordered through *Myntra* (an online shopping site for fashion and	3	Remembering and analysis

	lifestyle). This gave Govind an idea to start selling his products online. State any three benefits that Govind can get through e-business		
9.	"Build well Ltd. " is a real estate company in India. The activities of the company are governed by values of Truthfulness. Respect Justice, Commitment, Trust, and Citizenship. The company has 6 branches across the country. What are the socially determined values which govern the activities of business known as? Also describe its elements.	**4**	In depth knowledge

10	These are the unsecured deposits invited by the companies from the public mainly to finance working capital needs. A company can use this source of finance for a period of six months to three years. Therefore, they are primarily a source of short-term finance. However, they can be renewed from time to time. Renewal facility enables companies to use them as medium term finance. Amount raised from this source of finance cannot exceed 25% of its share capital and free reserves. Companies prefer this source of finance because they are cheaper than bank loans and investors prefer it because rate of interest on this source is higher than on bank deposits.
	    a) Identify the source of finance highlighted in the given case.
	    b) State any three features of source of finance highlighted in (a) above.
	The source of finance highlighted in (a) above is regulated by (Reserve Bank of India / State Bank of India)
		6	Critical thinking and understanding

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ARMY PUBLIC SCHOOL GWALIOR
CLASS XI
ACADEMIC SESSION 2025-26
WORKSHEET (SELF-ASSESSMENT)

Subject: Economics

Allotment Date: 30 October 2025

Assignment No. :5

Marks: 20+20

PART I

BASIC (GENERAL QUESTIONS)

S. NO.	QUESTIONS	MARKS	NATURE
1	Principal characteristics of resources are: (a) they are scare in relation to our needs (b) they have alternative uses (c) unlimited wants (d) none of these	1	Remembering
2	In which of the following situations, does scarcity arise? (a) Supply of resources >Demand for resources (b) Supply of resources < Demand for resources (c) Supply of resources= Demand for resources (d) None of these	1	Understanding
3	What is meant by an economy?	1	Information
4	Why does the problem of choice arise?	1	Evaluation Skill
5	Study of economy as a whole is called____ economics.	1	Remembering
6	In centrally planned economy, economic decisions are driven by the motive of profit maximisation. State True/False	1	Interdisciplinary
7	Diagrammatic presentation of consumer's indifference set is called: (a) indifference curve (b) utility curve (c) budget line (d) transformation curve	1	Understanding
8	If IC is not convex at the point of equilibrium, the consumer cannot reach the point of stable equilibrium. Comment.	3	Calculation Skills
9	'Make in India' campaign would shift the PPC to the right. How? Use diagram.	4	Understanding/Analyse
10	How are central problems solved in different economies?	6	Problem Solving
	PART II		

	STANDARD (COMPETENCY BASED QUESTIONS)		
1	Suppose an economy is producing inside its PPC. (a) What does this indicate about resource utilisation? (b) Suggest one way the economy can move to a point on the PPC.	**1**	HOT
2	The rate at which the consumer can substitute one commodity for the other, without changing the level of satisfaction, is known as _____.	**1**	Interdisciplinary
3	Attainable combinations of X and Y are drawn on the assumption that Px and Py are: (a) constant (b) variable (c) change in the same ratio (d) equal to each other	**1**	Critical Thinking and Problem Solving
4	**Assertion (A):** PPC is concave to the origin. **Reason (R):** Because marginal opportunity cost increases as more of one good is produced. Choose the correct option: (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.	**1**	Critical Thinking
5	A country has limited resources which can be used to produce either agricultural goods or industrial goods. If the government decides to produce more industrial goods, it must reduce the production of agricultural goods. **Q.1.** The above situation illustrates which basic problem of an economy? (a) What to produce (b) How to produce (c) For whom to produce (d) How much to consume	**1**	Analytical Thinking
6	A developing economy like India must decide whether to allocate more resources to producing consumer goods (like food and clothing) or capital goods (like machines and factories). Increasing the production of capital goods can promote future growth, but it may reduce the current availability of consumer goods. **Q.1.** Explain how producing more capital goods today may benefit the economy in the long run.	**1**	Logical Reasoning
7	A new technology in the automobile industry allows more cars to be produced with the same amount of steel and labour. **Q.1.** What effect will this have on the Production Possibility Curve?	**1**	Reasoning
8	In a situation when Px and Py are constant, and MRSxy>Px/Py, the consumer will get greater satisfaction than when MRSxy=Px/Py. Is it True?	**3**	Critical Thinking and Problem solving
9	MRS (Marginal Rate of Substitution) of X for Y is higher than the ratio of prices. Explain the reaction of the consumer in this situation.	**4**	Graphical skill

10	Show diagrammatically consumer's equilibrium using indifference curve analysis. Also analyse the conditions of consumer's equilibrium.	**6**	Evaluation Skill/Problem Solving

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ARMY PUBLIC SCHOOL GWALIOR
CLASS XI
ACADEMIC SESSION 2025-26
WORKSHEET (SELF-ASSESSMENT)

Subject: History   **Assignment No. :5**
Allotment Date: 30 October 2025   **Marks: 20+20**

PART I

BASIC (GENERAL QUESTIONS)

S. NO.	QUESTIONS	MARKS	NATURE
1.	i. Who was the founder of the Mongol Empire? a) Genghis Khan b) Kublai Khan c) Timur d) Ogedei Khan ii. The Mongols originally lived in which region? a) Central Asia b) East Asia c) Western Asia d) South Asia iii. What was the Mongol cavalry mainly known for? a) Strong fortifications b) Excellent archery and horsemanship c) Use of elephants in war d) Naval warfare iv. Which ruler established the Yuan Dynasty in China? a) Ogedei Khan b) Kublai Khan c) Genghis Khan d) Batu Khan v. The capital of the Mongol Empire under Genghis Khan was: a) Karakorum b) Beijing c) Samarkand d) Nishapur vi. Which title was adopted by Temujin after uniting the Mongol tribes? a) Genghis Khan b) Timur Lang c) Kublai Khan d) Amir Timur	1x6=6	Remembering
2.	**PART-B** ***Answer in short:*** What do you know about the Mongol? Discuss their occupations in brief.	3	Understanding

3.	**PART-C** *Answer in detail:* Discuss the early career and achievements of Genghis Khan. OR Discuss the rules and regulations of the Yasa as evolved by Genghis Khan.	**8**	Applying
4.	**PART-D** *Map Question:* On the map of South-East Asia mark and locate the following places related to Mongol empire: (i) Karakorum (ii) Moscow (iii) Turfan	**3**	Identifying
	PART II **STANDARD (COMPETENCY BASED QUESTIONS)**		
1.	**PART-A** *Objective Type Questions:* Arrange in Chronological Order i. Arrange the following events in correct order: a) Genghis Khan unites Mongol tribes b) Mongol invasion of China c) Kublai Khan becomes Emperor of China d) Death of Genghis Khan ii. Which of the following best describes the Mongol administration under Genghis Khan? a) Based on tribal loyalty and kinship ties b) Based on merit and military performance c) Based on hereditary monarchy d) Based on religious authority iii. Match the Following Column A Column B 1. Ogedei Khan a. Founder of the Mongol Empire 2. Genghis Khan b. Established Yuan dynasty in China 3. Karakorum c. Capital of Mongol Empire 4. Kublai Khan d. Successor of Genghis Kha iv. Statement I: The Mongols promoted trade and communication across their empire by ensuring the safety of merchants and travelers. Statement II: The period of peace and stability under Mongol rule is known as the Pax Mongolica. Choose the correct option: a) Both statements I and II are true. b) Both statements I and II are false. c) Statement I is true, but Statement II is false. d) Statement I is false, but Statement II is true.	**1x4=4**	Applying

2.	**PART-B**	3	Critically Analysing
	Answer in short: Describe in your own words the conquest of northern China by Genghis Khan.		
3.	"Genghis Khan laid special emphasis on discipline in the army". Keeping this statement in your mind, describe the rules formulated by him in the sphere of military administration.	3	Evaluating
4.	**PART-C** *Answer in detail:* Justify with arguments how Genghis Khan transformed the nomadic Mongol tribes into one of the most powerful empires in world history. OR 3. Critically examine the administrative policies of Genghis Khan and his successors. How did these policies contribute to both the expansion and eventual disintegration of the Mongol Empire?	8	Analysing, Evaluating & Creating (HOT)
5.	**PART-D** *Source Based Question:* Read the following extract and answer the questions that follow: The Capture of Bukhara: Juwaini, a late-thirteenth-century Persian chronicler of the Mongol rulers of Iran, carried an account of the capture of Bukhara in 1220. After the conquest of the city, Juwaini reported, Genghis Khan went to the festival ground where the rich residents of the city were and addressed them: 'O people know that you have committed great sins, and that the great ones among you have committed these sins. If you ask me what proof I have for these words, I say it is because I am the punishment of God. If you had not committed great sins, God would not have sent a punishment like me upon you'… Now one man had escaped from Bukhara after its capture and had come to Khurasan. He was questioned about the fate of the city and replied: They came, they [mined the walls], they burnt, they slew, they plundered and they departed.' **Questions:** (i) By whom is the above passage written? (ii) "If you were one of the conquered people addressed by Genghis Khan, how would you interpret his message and policies towards the defeated populations? Justify your answer with suitable historical examples."	2x1=2	Application and understanding Based

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ARMY PUBLIC SCHOOL GWALIOR
CLASS XI
ACADEMIC SESSION 2025-26
WORKSHEET (SELF-ASSESSMENT)

Subject: Political Science
Allotment Date: 30 October 2025

Assignment No. :5
Marks: 20+20

PART I

BASIC (GENERAL QUESTIONS)

S. NO.	QUESTIONS	MARKS	NATURE
1.	**Objective Type Questions**: **(i) Choose the type of stages of equality advocated by John Rawls.** (a) Two (b) Three (c) Four (d) Five **(ii) Which one of the following in not the fundamental postulate of Justice?** (a) Truth (b) Equality before law (c) Freedom (d) Property **OR** **(iii) People get proper justice in:** (a) Democracy (b) Totalitarian state (c) Monarchy (d) Dictatorship **(iv) Appointment of the Governor is dealt under the article** (a) Article 167 (b) Article 124 (c) Article 162 (d) Article 155 **(v) The concept of separate, sovereign national and state governments is known as** (a) Oligarchy (b) Federalism (c) Aristocracy (d) Unicameralism **OR** **(vi) According to the Constitution, India is a** (a) Federal state. (b) Unitary state. (c) Union of states. (d) Quasi-federal state.	(4x1=4)	Information

2	**VERY SHORT ANSWER TYPE QUESTIONS:** What do you mean by proportionate justice? **OR** What is the role of a Governor in Indian federalism?	**2**	Understanding
3	**SHORT ANSWER TYPE QUESTIONS:** How does the reservation help in social justice? **OR** Elaborate on the role of special provisions in the Indian Constitution and provide examples.	**4**	HOTS
4	**Read the extract carefully and answer the questions that follow:** Wearing the imagined veil of ignorance is the first step in arriving at a system of fair laws and policies. It will be evident that rational persons will not only see things from the perspective of the worst-off, they will also try to ensure that the policies they frame benefit the society as a whole. Both things have to go hand-in-hand. Since no one knows what position, they will occupy in the future society, each will seek rules that protect them in case they happen to be born among the worst-off. But it would make sense if they also try to ensure that their chosen policy does not also make those who are better-off weaker because it is also possible that they could be born into a privileged position in the future society. **Questions:** (i) What does the concept of Veil of ignorance mean? (ii) How does the Veil of ignorance create a just society for each individual? (iii) Who has given the concept of Veil of Ignorance?	**(2+1+1=4)**	Interdisciplinary & Analytical Thinking
5	**LONG ANSWER TYPE QUESTIONS:** Examine the issues surrounding border disputes and river water sharing in Indian federalism. How can these conflicts be effectively resolved? **OR** What are the different kinds of concepts of justice?	**6**	Critical Thinking
	PART II **STANDARD (COMPETENCY BASED QUESTIONS)**		
6	**ASSERTION REASON BASED QUESTION:** **Directions** (Q. Nos. 1 & 2) In the questions given below, there are two statements marked as Assertion (A) and Reason (R). Read the statements and choose the correct option. (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 **(i) Assertion (A): Social justice necessitates absolute equality in the way people live.** **Reason (R): Different methods have been developed to determine people's basic necessities.**	**(1X2=2)**	CBQ Information Real life application Based on CBQ Understanding Based CBQ

	(ii) Assertion (A): Federalism in Nigeria faced challenges due to conflicts among different ethnic groups. **Reason (R):** The Yoruba, Ibo, and Hausa-Fulani groups sought to expand their power into other regions.		
7	**VERY SHORT ANSWER TYPE QUESTIONS:** Elucidate liberalists' and Marxists' views of justice? **OR** Elucidate Social Inequality by giving an example from the society around you. **OR** Explain the financial relations between the union and the states.	**2**	Application based CBQ Real life relevance based CBQ Understanding based CBQ
8	**SHORT ANSWER TYPE QUESTIONS:** Why do some people state "Justice delayed is justice denied"? **OR** What are the demands raised by States in their quest for greater autonomy?	**4**	Critical thinking based Question
	What is the administrative relationship between the central and state government in India? Explain.	**4**	Evaluation based CBQ

9	**Study the cartoon carefully and answer the questions that follow**:
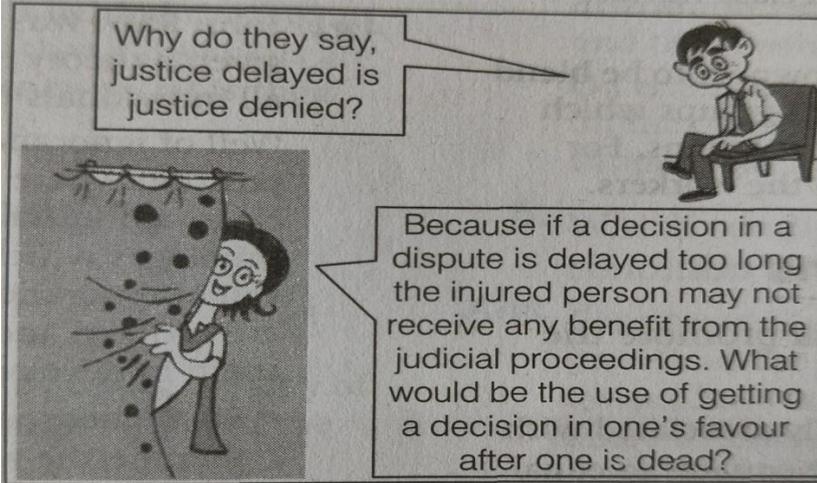	
	Questions:
	   (i) What are the suggestion should be adopted so that Justice should not delayed hence not denied?
	   (ii) What do you mean by a just society?
	   (iii) What is protective discrimination?
		(1+1+2=4)	Critical and Analytical thinking

10	**LONG ANSWER TYPE QUESTION:** Discuss the Federal feature of Indian Constitution in detail?	**6**	Analytical Skill based CBQ

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ARMY PUBLIC SCHOOL GWALIOR
CLASS XI
ACADEMIC SESSION 2025-26
WORKSHEET (SELF-ASSESSMENT)

Subject: Psychology **Assignment No. :5**
Allotment Date: 30 October 2025 **Marks: 20+20**

PART I

BASIC (GENERAL QUESTIONS)

S. NO.	QUESTIONS	MARKS	NATURE
1	Who is considered the father of psychophysics?	1	Remembering
2	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	Understanding
3	Which branch of psychology focuses on the study of subjective experience?	1	Information
4	Evolution proceeds at? (a) A very fast pace (b) A slow pace (C) Avery slow pace (D) all of the above	1	Evaluation Skill
5	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	Remembering
6	How does the concept of perception in psychology relate to the physiological responses studied in biology?	1	Interdisciplinary
7	What is the primary focus of psychophysics? a) Studying human behavior and mental processes b) Understanding physical processes in the body c) Exploring historical events d) Analyzing economic systems	1	Understanding
8	How do cognitive biases influence our perception and interpretation of information?	3	Communication Skills
9	How can you apply the principles of conditioning to help someone overcome a phobia?	4	Understanding/Analyse

10	How can breaking down complex problems into smaller, manageable parts aid in finding solutions?	**6**	Problem Solving
	PART II **STANDARD (COMPETENCY BASED QUESTIONS)**		
1	The nature-nurture debate is concerned with the relative contributions of _____ and _____ to human behavior.	**1**	HOT
2	What is the relationship between free will and determinism? How do psychological theories inform our understanding of human agency?	**1**	Interdisciplinary
3	In the following question a statement of Assertion (A) isfollowed by a statement of Reason (R). Choose the correct alternative among those given below: **Assertion: Genetics play a significant role in shaping human behavior.** **Reason: Twin and adoption studies provide evidence for the genetic influence on behavior.** (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.	**1**	Critical Thinking and Problem Solving
4	Readthefollowingstatementscarefully: **Statement1 Cognitive biases can lead to errors in decision-making.statement2 Biases such as confirmation bias and anchoring bias can distort our perception of reality** **.**Inthelightof thegivenstatements,choosethecorrect alternativefromthefollowing: (a) Statement1isfalseandstatement2istrue (b) Statement1istrueandstatement2isfalse (c)Bothstatements1and2are false (d) Bothstatements1and2aretrue	**1**	Evaluation
5	Match the following psychological concepts with their definitions: 1. Nature-nurture debate 2. Cognitive bias 3. Classical conditioning 4. Introspection Definitions: A) A debate about the relative contributions of genetics and environment to human behavior B) A systematic error in thinking and decision-making C) A learning process in which a neutral stimulus is paired with an unconditioned stimulus D) A method of self-observation and reflection	**1**	Analytical Thinking

6	What is the importance of random sampling in research? a) To ensure the sample is representative of the population b) To reduce bias in the sample c) To increase the sample size d) All of the above	**1**	Logical Reasoning
7	What is the importance of random sampling in research? a) To ensure the sample is representative of the population b) To reduce bias in the sample c) To increase the sample size d) All of the above	**1**	Reasoning
8	What are the implications of the nature-nurture debate on our understanding of human behavior?	**3**	Critical Thinking and Problem solving
9	How can the study of psychology inform our understanding of the impact of lifestyle factors, such as diet and exercise, on mental health?	**4**	Interdisciplinary
10	Evaluate the role of introspection in understanding human behavior.	**6**	Evaluation Skill/Problem Solving

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ARMY PUBLIC SCHOOL GWALIOR
CLASS XI
ACADEMIC SESSION 2025-26
WORKSHEET (SELF-ASSESSMENT)

Subject: NCC

Assignment No. :5

Allotment Date: 30 October 2025

Marks: 20+20

PART I

BASIC (GENERAL QUESTIONS)

S. NO.	QUESTIONS	MARKS	NATURE
1	Which instrument is used to measure direction on a map? a) Ruler b) Compass c) Barometer d) Clinometer	1	Remembering
2	A contour line represents: a) Population b) Altitude c) Road network d) Water level	1	Understanding
3	The color red on a topographical map indicates: a) Forest b) Roads and settlements c) Water bodies d) Agricultural land	1	Information
4	During floods, the most important immediate action is: a) Evacuation and rescue of people b) Constructing new houses c) Waiting for water to recede d) Starting road construction	1	Evaluation Skill
5	Community development in NCC is promoted by: a) Social service activities b) Blood donation c) Tree plantation and cleanliness drives d) All of the above	1	Remembering
6	Which of the following is a standard infantry rifle of the Indian Army? a) INSAS rifle b) AK-47 c) LMG d) Revolver	1	Interdisciplinary
7	The main purpose of field signals is: a) To decorate uniforms b) Silent communication in battle c) For NCC parades only d) To confuse the enemy	1	Understanding
8	Describe the importance of judging distance and how it is done in field craft.	3	Communication Skills
9	Explain any four tactical hand signals used in battle craft.	4	Understanding/Analyse

10	What is the difference between cover and concealment?	6	Problem Solving
	PART II **STANDARD (COMPETENCY BASED QUESTIONS)**		
1	What is the contour interval of a 1:50,000 scale map? a) 10 m b) 20 m c) 50 m d) 100 m	1	HOT
2	What does a 6-figure grid reference provide? a) Approximate area b) Exact point location c) Map scale d) Magnetic variation	1	Interdisciplinary
3	Which formation is best for patrolling in dense jungle? a) Line formation b) Column formation c) File formation d) Extended line	1	Critical Thinking and Problem Solving
4	Camouflage is used to: a) Stay visible b) Impress others c) Avoid detection d) Walk faster	1	Evaluation
5	Which of the following is NOT a part of field craft? a) Judging distance b) Map reading c) Cover from fire d) Weapon cleaning	1	Analytical Thinking
6	Ground which gives cover from enemy fire is called: a) Concealment ground b) Dead ground c) Observation post d) Defensive line	1	Logical Reasoning
7	The term dead ground refers to: a) Ground under water b) Ground not visible to enemy c) Ground with no vegetation d) Frozen land	1	Reasoning
8	Explain three safety precautions while using a compass during field exercises.	3	Critical Thinking and Problem solving
9	Explain the various methods of finding own position.	4	Interdisciplinary
10	Define Contour. What are the main characteristic of contour ?	6	Evaluation Skill/Problem Solving

Subject: Physical Education   **Assignment No. :5**
Allotment Date: 30 October 2025   **Marks: 20+20**

PART I
BASIC (GENERAL QUESTIONS)

S. No.	QUESTIONS	MARKS	NATURE
1.	Define kinesiology and biomechanics in detail. Explain how these two scientific studies are interrelated and contribute to understanding human movement in sports.	3	Conceptual Based
2.	"Kinesiology and biomechanics play a vital role in improving sports performance." Justify this statement with suitable examples.	3	Conceptual Based
3.	Describe the significance of biomechanics in improving sports techniques. Give two examples from different sports where biomechanics is used effectively.	3	Conceptual Based
4.	What is the principle of leverage? Explain with an example how the human body acts as a system of levers in sports movements.	3	Application Based
5.	Differentiate between abduction and adduction with the help of examples from sports like gymnastics or basketball.	3	Knowledge Based
6.	Explain how the concepts of planes and axes are applied in various sports activities like gymnastics, swimming, and athletics.	5	Conceptual Based

PART II
STANDARD (COMPETENCY BASED QUESTIONS)

S. No.	QUESTIONS	MARKS	NATURE
1.	A coach observes that a long jumper is unable to cover enough distance despite high speed on the runway. As a physical education expert, explain how the knowledge of kinesiology and biomechanics can help improve the jumper's technique.	3	Analytical
2.	A gymnast performs a cartwheel. Identify the types of body movements involved and explain their importance in maintaining body coordination.	3	Application-based
3.	A physical education teacher demonstrates a cartwheel to students. Explain the axis and plane involved in this movement and its biomechanical application in improving coordination.	3	Conceptual Based
4.	A tennis player rotates his forearm to serve. Explain the biomechanical importance of supination and pronation in this action.	3	Application
5.	In a football training session, players are unable to control their kicks effectively. Explain how biomechanical principles can be applied to enhance the accuracy and force of their kicks.	3	Analytical
6.	A basketball player raises his arm sideways to block a shot. Identify the type of movement performed and explain its functional advantage.	5	Application

ARMY PUBLIC SCHOOL GWALIOR
CLASS XI
ACADEMIC SESSION 2025-26
WORKSHEET (SELF-ASSESSMENT)

Subject: Painting **Assignment No. :5**
Allotment Date: 30 October 2025

S. NO.	QUESTIONS	MARKS
1.	**What is the First Element of Art?** (a) Line (b) Point (c) Form (d) Space	1
2.	**Who said- 'Line is a dot that went for a walk'?** (a) Alexander (b) Paul Klee (c) Jhon (d) Karle	1
3.	Meaning of Sadrisyam is- (a) Action of Feelings (b) The knowledge of Appearance (c) Similitude, Resemblance (d) Correct measurement and structure	1
4.	**Spiral lines effect is related to-** (a) Movement (b) Motion (c) Rhythm (d) Response	1
5.	**Who discovered the Ruins of Harappa in 1842?** (a) Charles Masson (b) Charles Darwin (c) Charles (d) Sir Alexander	1
6.	**Harappa was located near the river-** (a) Satluj (b) Narmada (c) Ravi (d) Ganga	1
7.	**Kalibangan surrounding site is related to which state of our country?** (a) Gujarat (b) Uttar Pradesh (c) Haryana (d) Rajasthan	1
8.	**Banwali is surrounding site related to which sate of our country?** (a) Gujarat (b) Rajasthan (c) Haryana (d) Uttar Pradesh	1
9.	**Which path was adopted by Ashoka after Kalinga battle?**	1

	(a) Preacher of Bhagvad Gita (b) Preacher of Buddhist (c) Preacher of Hitopdesha (d) Preacher of Ramayana	
10.	**How many Ashokan Pillars have been discovered so far?** (a) 10 (b) 15 (c) 20 (d) 25	1
11.	**Where did the Ashokan Pillar discover?** (a) Patliputra (b) Lucknow (c) Kurukshetra (d) Hamirpur	1
12.	**Ashoka belongs to which Golden age period?** (a) Mauryan Period (b) Shunga Period (c) Khushana Period (d) Gupta Period	1
13.	**Gandhara School was called-** (a) Mathura School (b) Indigenous School (c) Eplectic School (d) Eclectic School	1
14.	**How many religions were associate with Mathura School?** (a) 1 (b) 2 (c) 3 (d) 4	1
15.	**The Buddha represents calm meditation with half-closed eyes-** (a) Straight Position (b) Yogi position (c) Calm Position (d) Happy Position	1
16.	**The rise and growth of the Kushans as a Political Power lasted from-** (a) 1 Century A.D. of 3rd Century A.D. (b) 2 Century A.D. of 3rd Century A.D. (c) 3 Century A.D. of 3rd Century A.D. (d) 4 Century A.D. of 3rd Century A.D.	1
17.	**What was the medium used in seated Buddha?** (a) Sand Stone (b) Red Stone (c) Black Stone (d) Chunar Sand Stone	1
18.	**What was the subject matter of Seated Buddha?** (a) Buddha Preaching about Padmasana (b) Buddha Preaching Balance (c) Buddha Preaching the First Sermon (d) Buddha Preaching about Disciple	1
19.	**What is the other name of 'Seated Buddha'?** (a) Kushan Buddha (b) Shung Buddha (c) Mathura Buddha	1

	(d) Sarnath Buddha	
20.	**Where was the image of Swami Mahanir, the 24th Tirthankar found?**	1
	(a) Gwalior	
	(b) Agra	
	(c) Sarnath	
	(d) Mathura	
21.	**The Ajanta Period is called-**	1
	(a) The Silver period of Indian Art	
	(b) The Bronze period of Indian Art	
	(c) The Golden period of Indian Art	
	(d) The Brass period of Indian Art	
22.	**Where the Art of Ajanta was discovered in C.E. 1817?**	1
	(a) Delhi	
	(b) Hyderabad	
	(c) Aurangabad	
	(d) Agra	
23.	**The time period of Art of Ajanta is-**	1
	(a) 3rd Century BC/BCE	
	(b) 5th Century BC/BCE	
	(c) 6th Century BC/BCE	
	(d) 2nd Century BC/BCE	
24.	**The Cave no. 8, 9, 13 and 15A was painted during the rule of the-**	1
	(a) Mahayana	
	(b) Satavahanas	
	(c) Vakatakas	
	(d) Chalukyas	
25.	**How many number of caves related to Ajanta Art?**	1
	(a) 29 Chaitya and Vihara Caves	
	(b) 28 Chaitya and Vihara Caves	
	(c) 27 Chaitya and Vihara Caves	
	(d) 26 Chaitya and Vihara Caves	
26.	**Which number of cave is the best Stupa Cave in Art of Ajanta?**	1
	(a) 29	
	(b) 28	
	(c) 27	
	(d) 26	
27.	**Ajanta frescoes were done in which style?**	1
	(a) Water	
	(b) Temper	
	(c) Oil Colour	
	(d) Pastel Colour	
28.	**By which colour the line drawing in Ajanta paintings were painted?**	1
	(a) Green	
	(b) Red (Ruddle)	
	(c) Brown	
	(d) Orange	
29.	**What is the meaning of Mural?**	1
	(a) Painting	
	(b) Sculpture	
	(c) The art work painted directly on wall or ceiling	
	(d) Graphic Art	
30.	**The no. of Chailya or Stupa Caves are-**	1
	(a) 9, 12, 15	

| | (b) 8, 7, 6, 5, 4
(c) 9, 10, 19, 26, 29
(d) 1, 3, 26, 5 | |

ARMY PUBLIC SCHOOL GWALIOR
CLASS XI
ACADEMIC SESSION 2025-26
WORKSHEET (SELF-ASSESSMENT)

Subject: Computer Science **Assignment No. :5**
Allotment Date: 30 October 2025

Allotment Date: 31 October 2025

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	List can contain values of these types: a) integers b) floats c) lists d) all of these	1
2	Which of the following will create an empty list? a) L = [ ] b) L = list(0) c) L = list( ) d) L = List(empty)	1

3	Which of the following will return the last element of a list L with 5 elements?	1
	a) L[5]	

	b) L[4]	
	c) L[-1]	
	d) L[6]	
4	If L = [1, 2] then L * 2 will yield	1
	a) [1, 2] * 2	
	b) [1, 2, 2]	
	c) [1, 1, 2, 2]	
	d) [1, 2, 1, 2]	
5	If L1 = [1, 3, 5] and L2 = [2, 4, 6] then L1 + L2 will yield	1
	a) [1, 2, 3, 4, 5, 6]	
	b) [1, 3, 5, 2, 4, 6]	
	c) [3, 7, 11]	
	d) [1, 3, 5, [2, 4, 6]]	
6	Given a list L= [10, 20, 30, 40, 50, 60, 70], what would L[1 : 4] return?	1
	a) [10, 20, 30, 40]	
	b) [20, 30, 40, 50]	
	c) [20, 30, 40]	
	d) [30, 40, 50]	
7	Given a list L= [10, 20, 30, 40, 50, 60, 70], what would L[2 : -2] return?	1
	a) [10, 20, 30, 40]	
	b) [20, 30, 40, 50]	
	c) [20, 30, 40]	
	d) [30, 40, 50]	
8	Given a list L= [10, 20, 30, 40, 50, 60, 70], what would L[-4 : -1] return?	1
	a) [20, 30, 40]	
	b) [30, 40, 50]	
	c) [40, 50, 60]	
	d) [50, 60, 70]	

9	Given a list L= [10, 20, 30, 40, 50, 60, 70], what would L[-3 : 99] return?	1
	a) [20, 30, 40]	

	b) [30, 40, 50]	
	c) [40, 50, 60]	
	d) [50, 60, 70]	
	Q10 and 11 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	
10	**Assertion.** The documentation for a Python module should be written in triple-quoted strings. **Reason.** The docstrings are triple-quoted strings in Python that are displayed as documentation when help <module> command is issued.	1
11	**Assertion.** After importing a module through import statement, all its function definitions, variables, constants etc. are made available in the program. **Reason.** Imported module's definitions do not become part of the program's namespace if imported through an import <module> statement.	1
Q No.	Questions Section-B (8 Marks)	Marks
12	Discuss the utility and significance of Lists in Python, briefly.	2
13	What do you understand by mutability? What does "in place" memory updation mean?	2
14	What's a[1 : 1] if a is a list of at least two elements? And what if the list is shorter?	2
15	How are the statements lst = lst + 3 and lst += [3] different, where lst is a list? Explain.	2
Q No.	Questions Section-C (12 Marks)	Marks
16	How are the statements lst += "xy" and lst = lst + "xy" different, where lst is a list? Explain.	3
17	What's the purpose of the del operator and pop method? Try deleting a slice.	3

| 18 | What are list slices? What for can you use them? | 3 |
| 19 | Does the slice operator always produce a new list? | 3 |

S No.	Questions	Marks
	Section-D (4 Marks)	
20	Compare lists with strings. How are they similar and how are they different?	4

S No.	Questions	Marks
	Section-E (5 Marks)	
21	What do you understand by true copy of a list? How is it different from shallow copy?	5