



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



Subject: English

Assignment No.: 6

Allotment Date: 30 November 2025

S. NO.	QUESTIONS	MARKS	NATURE
Part-1 Basic (General Questions)			
1	<p data-bbox="288 853 1168 893">Read the passage carefully.</p> <p data-bbox="288 916 1168 1218">Water is one of the most essential resources on Earth, yet it is often taken for granted. Despite its abundance, the reality is that only a small fraction of the world’s water is fresh and available for human use. With increasing populations, climate change, and industrial demands, the pressure on our water resources is growing. This makes water conservation not just a collective responsibility but a crucial individual duty. Each person’s effort towards conserving water can significantly impact the preservation of this vital resource for future generations.</p> <p data-bbox="288 1249 1168 1518">(2) One of the primary reasons individual water conservation efforts are so important is the cumulative effect of small actions which may seem trivial on their own. However, when multiplied by millions of people, these actions can lead to substantial water savings. For example, a single dripping tap can waste over 15 litres of water a day. Imagine the water saved if every household in a city repaired just one leaky faucet. This highlights the power of collective individual actions in reducing water waste.</p> <p data-bbox="288 1550 1168 1886">(3) Moreover, personal efforts towards water conservation often lead to greater awareness and education. When individuals take steps to conserve water, they become more conscious of their water usage and the importance of this resource. This awareness can then spread within communities, inspiring others to adopt similar practices. For instance, a family that installs water-saving devices in their home may encourage neighbours and friends to do the same, creating a ripple effect. This grassroots approach to conservation can be particularly effective in areas where larger-scale initiatives may be slow to implement or lacking in support.</p> <p data-bbox="288 1917 1168 2083">(4) In addition to daily habits, individuals can also make a difference through more significant lifestyle choices. For instance, opting for drought-resistant plants in gardens and supporting water-efficient agriculture can all contribute to water conservation. Agriculture, especially livestock farming, is one of the largest consumers of water</p>	10	Information

globally. By supporting sustainable farming practices, individuals can indirectly reduce the water footprint of their food.

(5) Critics might argue that individual efforts are negligible compared to the large-scale water consumption by industries and agriculture. However, this perspective overlooks the potential for individual actions to drive systemic change. When people collectively make water-conscious choices, they send a powerful message to businesses and policymakers about the importance of conservation.

(6) Each person's commitment to saving water, no matter how small, contributes to a larger culture of sustainability. By making conscious choices and spreading awareness, individuals can help ensure that future generations have access to the clean, fresh water they need to thrive. Water conservation is not just the responsibility of governments and industries; it is a shared duty that begins with each of us.

Answer the following questions, based on the passage above.

I. In paragraph 1, what does the phrase 'each person's effort towards conserving water can significantly impact the preservation of this vital resource' emphasise?

II. Complete the following with the correct option from the two given. Water is often taken for granted, despite its essential nature because . a) it is abundant and always easily accessible, making people less aware of its usage

b) its importance is not always recognised, leading people to overlook its value (paragraph 1)

III. Support the writer's idea that small individual actions towards water conservation are not trivial. (paragraph 2)

IV. Select the option that best reflects the concept of a 'ripple effect' in the context of student life at school.

a) A student's act of volunteering at a local charity leads to the school administration organising a large-scale fundraising event.

b) A student who consistently follows good study practices inspires classmates to improve their own study routines, creating a culture of academic excellence in the class. (paragraph 3)

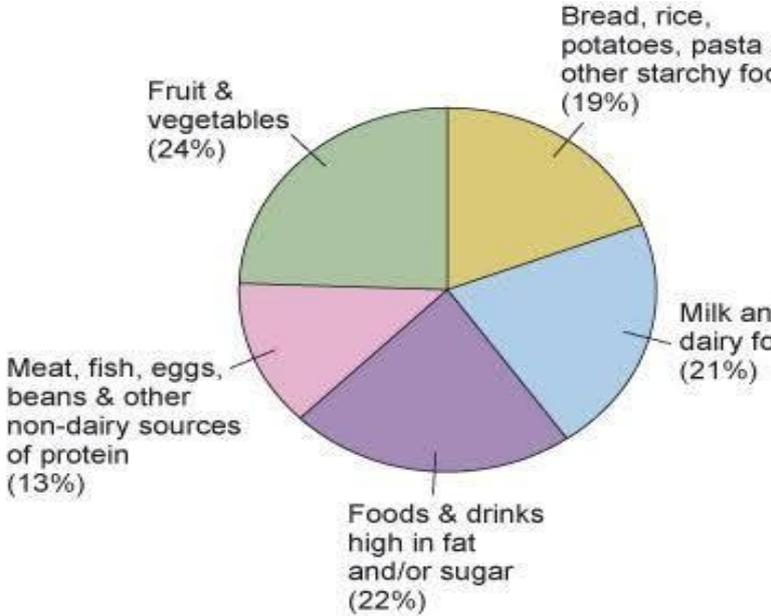
V. State whether the following statement is True or False. (paragraph 3)

Personal efforts towards water conservation often lead to greater awareness and education.

VI. The writer mentions 'sustainable farming practices' in paragraph 4. Which of the following is a sustainable farming practice?

A. Using chemical fertilizers and pesticides extensively to increase crop yields.

	<p>B. Clearing large areas of natural vegetation to expand farmland for organic farming.</p> <p>C. Implementing crop rotation and using organic compost to maintain soil health.</p> <p>D. Relying solely on monoculture farming to maximise production efficiency.</p> <p>VII. List any two points that a powerful message sent to businesses and policy makers about the importance of water conservation might include. (paragraph 5)</p> <p>VIII. Fill in the blank with the correct option from those given. (paragraph 6) In the phrase 'culture of sustainability,' the word 'culture' refers to</p> <p>A. A set of beliefs and practices shared by a group</p> <p>B. The artistic and traditional practices specific to a community's heritage.</p> <p>C. The lifestyle habits and choices that are popular among the urbane</p> <p>D. The techniques and methods used in development efforts</p>		
2	<p>Read the following extracts carefully and answer the questions that follow:</p> <p>Pistol in his left hand, pistol in his right, And he held in his teeth a cutlass bright, His beard was black, one leg was wood; It was clear that the pirate meant no good.</p> <p>1. Who held the pistol?</p> <p>2. What did the dragon do to him?</p> <p>3. What does the expression 'the pirate meant no good' convey?</p> <p>4. Which word means the same as 'thief'?</p>	4	Understanding
	PART-2 STANDARD (COMPETENCY BASED QUESTIONS):		
3	<p>Answer the following questions in 30- 40 words:</p> <p>i) How was the view outside the bus when it went through the canal?</p> <p>ii) What, according to the writer, is the real play' of the otter?</p>	2x3=6	Evaluation

<p>8</p>	<p>The chart below shows how, in 2012, consumer spending on different types of food and drink for the household was spread between a range of different food types. Write an analytical paragraph on the given chart in 100-120 words.</p>  <table border="1" data-bbox="411 315 1182 931"> <caption>Consumer Spending on Food and Drink in 2012</caption> <thead> <tr> <th>Food Type</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Fruit & vegetables</td> <td>24%</td> </tr> <tr> <td>Bread, rice, potatoes, pasta, other starchy food</td> <td>19%</td> </tr> <tr> <td>Milk and dairy food</td> <td>21%</td> </tr> <tr> <td>Foods & drinks high in fat and/or sugar</td> <td>22%</td> </tr> <tr> <td>Meat, fish, eggs, beans & other non-dairy sources of protein</td> <td>13%</td> </tr> </tbody> </table>	Food Type	Percentage	Fruit & vegetables	24%	Bread, rice, potatoes, pasta, other starchy food	19%	Milk and dairy food	21%	Foods & drinks high in fat and/or sugar	22%	Meat, fish, eggs, beans & other non-dairy sources of protein	13%	<p>5</p>	<p>Critical Thinking</p>
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<p>9</p>	<p>The Computer Hub, Chanakyapuri, New Delhi has advertised a discount of 20% on all types of computers and related hardware. You are Rahul, owner of Softpoint Innovations, 110- 111, Nehru Place, New Delhi. Place an order for suitable items for your company.</p>	<p>5</p>	<p>Communicational Skill</p>												



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



Subject: Hindi
Allotment Date: 30 November 2025

Assignment No.: 6

PART I

BASIC (GENERAL QUESTIONS)

S. NO.	QUESTIONS	MARKS	NATURE
1.	<p>निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़िए और पूछे गए प्रश्नों के उत्तर गद्यांश के आधार पर लिखिए-</p> <p>राष्ट्र केवल ज़मीन का टुकड़ा ही नहीं बल्कि हमारी सांस्कृतिक विरासत होती है जो हमें अपने पूर्वजों से परंपरा के रूप में प्राप्त होती है। जिसमें हम बड़े होते हैं, शिक्षा पाते हैं और साँस लेते हैं-हमारा अपना राष्ट्र कहलाता है और उसकी पराधीनता व्यक्ति की परतंत्रता की पहली सीढ़ी होती है। ऐसे ही स्वतंत्र राष्ट्र की सीमाओं में जन्म लेने वाले व्यक्ति का धर्म, जाति, भाषा या संप्रदाय कुछ भी हो, आपस में स्नेह होना स्वाभाविक है। राष्ट्र के लिए जीना और काम करना, उसकी स्वतंत्रता तथा विकास के लिए काम करने की भावना राष्ट्रियता कहलाती है।</p> <p>जब व्यक्ति किसी दूसरे व्यक्ति से धर्म, जाति, कुल आदि के आधार पर व्यवहार करता है तो उसकी दृष्टि संकुचित हो जाती है। राष्ट्रियता की अनिवार्य शर्त है-देश को प्राथमिकता, भले ही हमें 'स्व' को मिटाना पड़े। महात्मा गांधी, तिलक, सुभाषचन्द्र बोस आदि के कार्यों से पता चलता है कि राष्ट्रियता की भावना के कारण उन्हें अनगिनत कष्ट उठाने पड़े किंतु वे अपने निश्चय में अटल रहे। व्यक्ति को निजी अस्तित्व कायम रखने के लिए पारस्परिक सभी सीमाओं की बाधाओं को भुलाकर कार्य करना चाहिए तभी उसकी नीतियाँ-रीतियाँ राष्ट्रिय कही जा सकती हैं। जब-जब भारत में फूट पड़ी, तब-तब विदेशियों ने शासन किया। चाहे जातिगत भेदभाव हो या भाषागत-तीसरा व्यक्ति उससे लाभ उठाने का अवश्य यत्न करेगा। आज देश में अनेक प्रकार के आंदोलन चल रहे हैं। कहीं भाषा को लेकर संघर्ष हो</p>	3+4=7	Analytical Thinking

	<p>रहा है तो कहीं धर्म या क्षेत्र के नाम पर लोगों को निकाला जा रहा है जिसका परिणाम हमारे सामने है। आदमी अपने अहं में सिमटता जा रहा है। फलस्वरूप राष्ट्रीय बोध का अभाव परिलक्षित हो रहा है-</p> <p>प्रश्न:1. गद्यांश का उचित शीर्षक लिखिए।</p> <p>प्रश्न:2. 'स्व' से क्या तात्पर्य है ?</p> <p>प्रश्न:3 गद्यांश में चर्चित दो राष्ट्रभक्तों के नाम लिखिए।</p> <p>प्रश्न:4 आशय स्पष्ट कीजिए-"राष्ट्र केवल ज़मीन का टुकड़ा ही नहीं बल्कि हमारी सांस्कृतिक विरासत भी है।"</p> <p>प्रश्न: 5. राष्ट्र के उत्थान में व्यक्ति का क्या स्थान है? उदाहरण सहित लिखिए।</p>		
2	<p>दिए गए मुहावरों का वाक्यों में प्रयोग करिए </p> <ol style="list-style-type: none"> 1) अकल पर पत्थर पड़ना - बुद्धि भ्रष्ट होना 2) अंक भरना 3) अपने मुँह मियाँ मिट्टू बनना 4) अकल का चरने जाना 5) अपने पैरों पर खड़ा होना 	5	Critical Thinking
3.	<p>'रक्षक' हेलमेट बनाने वाली-कंपनी' की बिक्री बढ़ाने के लिए विज्ञापन तैयार करिए </p>	3	Creative & Communication
4.	<p>निम्नलिखित समस्त पदों का विग्रह कीजिए और समास का नाम भी लिखिए -</p> <ol style="list-style-type: none"> 1. कर्मभूमि 2. ऋणमुक्त 3. राजीवलोचन 4. क्रोधाग्नि 5. त्रिनेत्र 	5	Critical Thinking

PART II STANDARD (COMPETENCY BASED QUESTIONS)			
5.	<p>दिए गए संकेत बिंदुओं के आधार पर लगभग 100 -120 शब्दों में अनुच्छेद लिखिए।</p> <p>अब अबला नहीं सबला है नारी संकेत बिंदु</p> <ul style="list-style-type: none"> • • बदलता समय • • किसी से कम नहीं • • नारी के बढ़ते कदम 	5	Analytical and Critical Thinking
6	स्टेट बैंक ऑफ इंडिया की मानसरोवर गार्डन शाखा के प्रबंधक को प्रार्थना पत्र लिखिए जिसमें खाता खोलने का अनुरोध किया गया हो।	5	Understanding
7	राज्य के परिवहन सचिव transport@delhi.gov.in को एक ईमेल लिखिए, जिसमें आपकी बस्ती तक नया बस मार्ग आरंभ कराने का अनुरोध हो।	5	Communication skill
8	<p>भाव स्पष्ट कीजिए:</p> <p>1. खींच दो अपने खू से जमीं पर लकीर इस तरफ आने पाए न रावन कोई</p> <p>2. नत शिर होकर सुख के दिन में तव मुख पहचानँ छिन-छिन में।</p>	2.5x2=5	HOT



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



Subject: Mathematics
Allotment Date: 30 November 2025

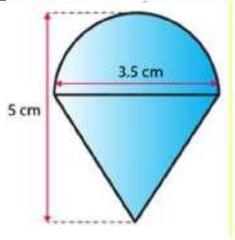
Assignment No.: 6
Marks: (20+20=40)

PART I

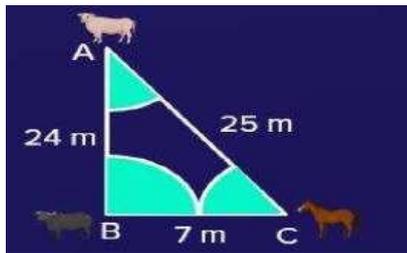
BASIC (GENERAL QUESTIONS)

S. NO.	QUESTIONS	MARKS	NATURE
1.	If angle of sector is 60° , radius is 3.5 cm then length of the arc is (a) 3 c (b) 3.5 cm (c) 3.66 cm (d) 3.8 cm	1	Critical Thinking
2.	The area of a quadrant of a circle whose circumference is 22 cm, is (a) $\frac{11}{8}$ cm ² (b) $\frac{77}{2}$ cm ² (c) $\frac{77}{4}$ cm ² (d) $\frac{77}{8}$ cm ²	1	Remember
3.	A horse is tied to a peg at one corner of a square shaped grass field of side 15 m by means of a 7 m long rope. The area of that part of the field in which the horse can graze, is (a) 77 cm ² (b) 772 cm ² (c) 154 cm ² (d) 774 cm ²	1	Understanding
4.	The length of the minute hand of a clock is 14 cm. The area swept by the minute hand in 5 minutes is (a) 153.9 cm ² (b) 102.6 cm ² (c) 51.3 cm ² (d) 205.2 cm ²	1	Application
5.	A cylinder and a cone are of same base radius and of same height. Find the ratio of the volume of the cylinder to that of the cone .	2	Understanding
6.	If the area of a circle is equal to sum of the areas of two circles of diameters 10 cm and 24 cm, calculate the diameter of the larger circle.	2	Critical thinking
7.	How many bags of grain can be stored in a cuboid granary 12 m \times 6 m \times 5 m. If each bag occupies a space of 0.48 m ³ ?	2	Understanding
8.	If the difference between the circumference and the radius of a circle is 37 cm, then using $\pi = 227$, calculate the circumference (in cm) of the circle.	2	Application
9.	A sphere of diameter 18 cm is dropped into a cylindrical vessel of diameter 36 cm, partly filled with water. If the sphere is completely submerged, then calculate the rise of water level (in cm).	2	Evaluation

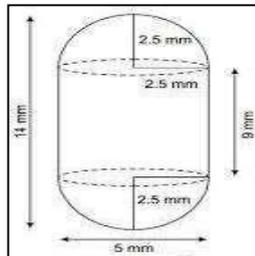
10.	Find the mode of the following frequency distribution <table border="1" data-bbox="248 197 871 342"> <tbody> <tr> <td>Marks</td> <td>10-20</td> <td>20-30</td> <td>30-40</td> <td>40-50</td> <td>50-60</td> </tr> <tr> <td>No. of students</td> <td>15</td> <td>30</td> <td>45</td> <td>12</td> <td>18</td> </tr> </tbody> </table>	Marks	10-20	20-30	30-40	40-50	50-60	No. of students	15	30	45	12	18	3	Analytical
Marks	10-20	20-30	30-40	40-50	50-60										
No. of students	15	30	45	12	18										
11.	Calculate the median from the following data <table border="1" data-bbox="248 479 871 624"> <tbody> <tr> <td>Marks</td> <td>0-10</td> <td>10-20</td> <td>20-30</td> <td>30-40</td> <td>40-50</td> </tr> <tr> <td>No. of students</td> <td>5</td> <td>15</td> <td>30</td> <td>8</td> <td>2</td> </tr> </tbody> </table>	Marks	0-10	10-20	20-30	30-40	40-50	No. of students	5	15	30	8	2	3	Application based
Marks	0-10	10-20	20-30	30-40	40-50										
No. of students	5	15	30	8	2										
PART II STANDARD (COMPETENCY BASED QUESTIONS)															
12.	ASSERTION REASON BASED QUESTION Directions: In the following questions, a statement of assertion (A) is followed by a statement of reason (R). Mark the correct choice as: (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 but reason (R) is not the correct explanation of assertion (A). (c) Assertion (A) is true but reason (R) is false. (d) Assertion (A) is false but reason (R) is true 1. Assertion: In a right circular cone , the cross section made by a plane parallel to base is a circle Reason: If the volume and the surface area of the solid hemisphere are numerically equal, then the radius of hemisphere is $9/2$.	1	Understanding												
13.	Two identical solid cubes of side k units are joined end to end. What is the volume, in cubic units, of the resulting cuboid? (a) k^3 (b) $2k^3$ (c) $3k^3$ (d) $6k^3$	1	Evaluation												
14.	A right triangle with sides 3 cm, 4 cm and 5 cm is rotated about the side of 3 cm to form a cone. The volume of the cone so formed is (a) 12π cm ³ (b) 14π cm ³ (c) 16π cm ³ (d) 18π cm ³	1	Understanding												
15.	The radii of two circles are 19 cm and 9 cm respectively. The radius of the circle which has circumference equal to the sum of the circumference of two circles is (a) 35 cm (b) 10 cm (c) 21 cm (d) 28 cm	1	Application												
16.	If the ratio of areas of two circles is 16:25 the ratio of their circumference is (a) 4:5 (b) 5:4 (c) 25:16 (d) 3:5	1	Understanding												
17.	Vijay kumar got a playing top (lattu) as his birthday present, which surprisingly had no colour on it. He wanted to colour it with his crayons. The top is shaped like a cone surmounted by a hemisphere. The entire top is 5 cm in height, and the diameter of the top is 3.5 cm. Find the area he must colour. (Take $\pi = 22/7$)	3	Critical thinking based Question												



18. In the given below figure a triangular shaped grass field is seen. At the three corners of the field, a cow, a buffalo and a horse are tied separately to the pegs by means of ropes of 3.5 m each to graze in the field. Sides of the triangular field are 25 m, 24 m and 7m. Find the area of the triangular field that cannot be grazed by the animals.



19. A medicine capsule is in the shape of a cylinder with two hemispheres stuck to each of its ends. The length of the entire capsule is 14 mm and the diameter of the capsule is 5 mm. Find its surface area.



20. India meteorological department observes seasonal and annual rainfall every year in different sub-division of our country. It helps them to compare and analyze the results. The table given below show sub-division wise seasonal (monsoon) rainfall (mm) in 2018:

Rainfall (mm)	Number of Sub-divisions
200-400	2
400-600	4
600-800	7
800-1000	4
1000-1200	2
1200-1400	3
1400-1600	1
1600-1800	1

Based on the above information, answer the following questions:

- Write the modal class.
- Find the mode of the given data.

OR

3

Analytical Skill based

5

Critical Thinking

4

Case Study

	<p>Find the mean rainfall in this season. (iii) If sub-division having at least 1000 mm rainfall during monsoon season, is considered good rainfall sub-division, then how many sub-divisions had good rainfall?</p>		
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ARMY PUBLIC SCHOOL GWALIOR
CLASS - X
ACADEMIC SESSION 2025-26
WORKSHEET (SELF –ASSESSMENT)



Subject: Science
Allotment Date: 30 November 2025

Assignment No.: 6

PART I

BASIC (GENERAL BASED QUESTION)

S. NO.	QUESTIONS	MARKS	NATURE
1	MCQ BASED QUESTION Q1. When the direction of current in a conductor is reversed, the direction of magnetic field A) Remains the same B) Reverses C) Becomes zero D) Becomes perpendicular to the original direction	1	Understanding
	Q2. Which of the following is an example of a decomposer? A) Grass B) Rabbit C) Fungi D) Snake	1	Observation
2	Q3 What happens when ethanol is heated with concentrated sulphuric acid? Write the chemical equation.	2	Interdisciplinary
	Q4. What are biodegradable and non-biodegradable wastes? Give one example of each.	2	Understanding
3	Q5 Write the molecular formula of the first four members of the homologous series of alkanes. What is the difference in molecular mass between successive members of this series?	3	HOT
	Q6 How does excessive use of fertilizers and pesticides affect the environment? Suggest two alternatives to reduce their harmful effects.	3	Understanding
	Q7 A circular coil of 50 turns has a radius of 10 cm and carries a current of 3 A. Calculate the magnetic field at the center of the coil.	3	

			Evaluation
5	<p>Explain the following in detail:</p> <p>a) Flow of energy in an ecosystem</p> <p>b) 10% law of energy transfer</p> <p>c) Why is energy flow unidirectional?</p> <p>d) What will happen if all the top carnivores are removed from a food chain?</p>	5	Observation and Analysing
	<p>PART II STANDARD(COMPETANCE BASED QUESTION)</p>		
7	<p>ASSERTION REASON BASED QUESTION</p> <p>Directions: In each of the following questions, a statement of Assertion is given and a corresponding statement of Reason is given just below it. Of the statements, given below, mark the correct answer as:</p> <p>(a) Both assertion and reason are true and reason is the correct explanation of assertion.</p> <p>(b) Both assertion and reason are true but reason is not the correct explanation of assertion.</p> <p>(c) Assertion is true but reason is false.</p> <p>(d) Both Assertion and Reason are false.</p> <p>Q.1. Assertion (A): Energy flow in an ecosystem is unidirectional. Reason (R): Energy captured by autotrophs does not return to the Sun..</p> <p>Q.2 Assertion (A): Graphite conducts electricity but diamond does not. Reason (R): In graphite, each carbon atom is bonded to four other carbon atoms.</p> <p>Q3 Assertion (A): Carbon forms a large number of compounds. Reason (R): Carbon atoms can form long chains and rings by self-linking (catenation).</p>	<p>1</p> <p>1</p> <p>1</p>	<p>Real life application</p> <p>Understanding</p> <p>Information</p>
8	<p>Q4 How does the presence of carbon compounds like carbon monoxide (CO) and carbon dioxide (CO₂) in the atmosphere affect human life and the environment?</p> <p>Q5 If a current-carrying conductor is placed parallel to the magnetic field instead of perpendicular to it, what will be the effect on the magnetic force acting on it? Explain with reason</p> <p>Q6. Why do we say that the accumulation of non-biodegradable substances in the environment is more harmful than biodegradable ones?</p>	<p>2</p> <p>2</p> <p>2</p>	<p>Real life relevance</p> <p>Application</p> <p>Critical Thinking</p>
9	<p>Q7. Plastic is a carbon compound widely used in daily life but is a major environmental problem. Explain why plastics are so durable and suggest two ways to reduce plastic pollution.</p>	3	Real life relevance

	Q8 When the direction of current in a current-carrying conductor is reversed, the direction of the magnetic field also reverses. What does this reveal about the relationship between electricity and magnetism?	3	Critical Thinking
10	<p>Q9 (A) Differentiate between biodegradable and non-biodegradable wastes with one example each.</p> <p>(B) Why are non-biodegradable wastes more harmful to the environment?</p> <p>(C) Suggest two steps you can take at home to minimize non-biodegradable waste generation.</p>	5	<p>critical thinking</p> <p>analysing and reasoning</p> <p>Observation and explanation</p>



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



Subject: Social Science

Assignment No.: 6

Allotment Date: 30 November 2025

(PART-A BASIC GENERAL QUESTION) (20 MARKS)

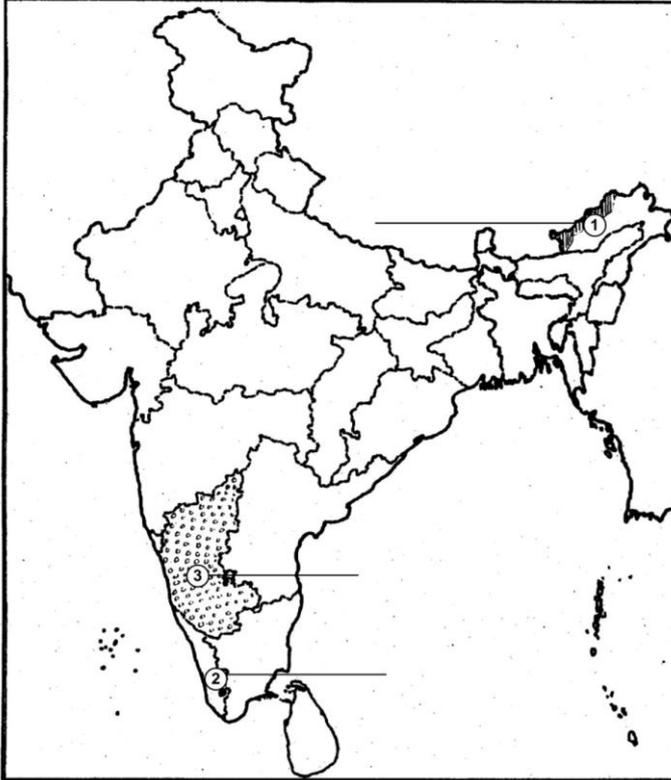
S.NO.	QUESTIONS	MARKS	NATURE
1.	<p style="text-align: center;">(MULTIPLE CHOICE QUESTIONS)</p> <p>1. Against which of the following forms of discrimination did Mahatma Gandhi launch a satyagraha in South Africa? A. Racism B. Sexism C. Ageism D. Casteism</p> <p>2. Which method of energy production is environmentally friendly and practical for powering homes across regions in India? a. Coal-fired power plants b. Nuclear power plants c. Solar power panels d. Diesel generators</p> <p>3. Identify the person in the painting from the options given below. He was described as ‘the most dangerous enemy of our social order’. a. Metternich b. Mazzini c. Garibaldi</p> <p>4. The movement broke colonial laws and also refused cooperation with the British. a. Rowlatt Satyagraha Movement b. Civil Disobedience Movement c. Non-Cooperation Movement d. Quit India Movement</p> <p>5. Which of the following relief features of India possesses the highest reserves of minerals and fossil fuels? A. Coastal plain B. Gangetic plain</p>	1 × 5 = 5	Information

	C. Shivalik mountains D. Chotanagpur plateau		
2.	(VERY-SHORT ANSWER TYPE QUESTIONS) Suggest and explain any three ways to protect land from degradation in various states of India.	2 × 1 = 2	Understanding
3.	(SHORT ANSWER TYPE QUESTION) (I) Imagine yourself to be XYZ, a member of a women Self-Help Group. Analyse the ways through which your group provides loan to the members. (II) Explain the meaning and notion of ‘Swaraj’ as perceived by the plantation workers. How did they respond to the call of ‘the Non – Cooperation movement’?	3 × 2 = 6	Interdisciplinary
4.	(LONG ANSWER TYPE QUESTION) Suggest and explain any five ways to reform Political Parties in India.	5 × 1 = 5	Descriptive
(PART-B STANDARD COMPETENCY QUESTION) (20 MARKS)			
5.	(MULTIPLE CHOICE QUESTIONS) (I) Identify the correct statements about globalisation. I. Removal of barriers by the government II. Foreign companies are allowed to set up factories III. Has enabled all companies to increase their investments IV. Has lessened foreign investment and foreign trade A. I & II B. II & III C. I & III D. II & IV (II) Read the information given below and select the correct option: Rohan has taken a loan of Rs. 5 lakhs from the bank to purchase a house at a 12% rate of interest. He has to submit papers of the new house and his salary record to the bank. What is this process called? A. Interest Rate B. Collateral C. Principal Amount D. Instalments (III) The collective work of the renowned 14th-century Persian poet Khwāja Šamsu-d-Dīn Muḥammad Ḥāfez-e Šīrāzī is universally known as: A) Tarikh-i-Firoz Shahi B) Kitab al-Hind C) Diwan (or Diwan-e-Hafez) D) Fatawa-i-Jahandari (IV) There are two statements marked as Assertion (A) and Reason (R). Mark your answer as per the codes given below:	1 × 6 = 6	HOTS

	<p>Assertion (A): Democracy is an accountable, responsive and legitimate government Reason (R): Democracies have regular, free and fair elections and decision-making is based on norms and procedures</p> <p>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.</p> <p>(V) Identify the crop with the help of the following information:</p> <ul style="list-style-type: none"> • It is used both as food and fodder. • It is a kharif crop requiring 21°C to 27°C. • It grows well in old alluvial soil. • Use of modern inputs has increased its production. <p>A. Wheat B. Maize C. Rice D. Sugarcane</p> <p>(VI) Arrange the following in chronological order:</p> <p>I. Print culture created the conditions for the French Revolution II. Martin Luther’s writings led to the beginning of the Protestant Reformation III. Menocchio reinterpreted the message of the Bible IV. Johann Gutenberg invented the printing press</p> <p>A. III, II, I & IV B. I, II, III & IV C. IV, III, II & I D. IV, II, III & I</p>		
6.	<p align="center">(VERY-SHORT ANSWER TYPE QUESTIONS)</p> <p>During a field study on labour conditions, a research scholar interviewed two workers: Ramesh, employed at a national bank, and Suresh, who sells goods from a temporary roadside stall. Using the information they shared about job security, work hours, earnings, and access to social protection, evaluate how the student could differentiate between the organised and unorganised sectors. Support your analysis with relevant indicators and examples.</p>	2 × 1 = 2	Application Based
7.	<p align="center">(SHORT ANSWER TYPE QUESTION)</p> <p>(I) Read the statement and answer the question:- Folk dances and their association with national identity have made them vehicles for government propaganda. In Nazi Germany in the 1930s and 1940s, the government used charming folk dances to embody the mystique of an idyllic Germany. Similarly, in the present scenario, certain governments, for example those of North Korea and China, have used dance in mass performances to symbolize the people's support of their political systems.</p>	3 × 2 = 6	Real life Application Based

	<p><i>Using the understanding developed from the above passage, give an example of how a dance form contributed to nationalist sentiments among people in 19th-century Europe.</i></p> <p>(II) A river valley in India is being developed into a hydroelectric power plant. State the three steps of resource planning required to achieve this.</p>		
8.	<p align="center">(CASE BASED TYPE QUESTION)</p> <p>Read the source given below and answer the questions that follow:</p> <p align="center"><u>HUMAN DEVELOPMENT REPORT</u></p> <p>Once it is realised that even though the level of income is important, yet it is an inadequate measure of the level of development, we begin to think of other criterion. There could be a long list of such criterion but then it would not be so useful. What we need is a small number of the most important things. Health and education indicators, such as the ones we used in comparison of Kerala and Punjab, are among them. Over the past decade or so, health and education indicators have come to be widely used along with income as a measure of development. For instance, Human Development Report published by UNDP compares countries based on the educational levels of the people, their health status and per capita income. It would be interesting to look at certain relevant data regarding India and its neighbours from Human Development Report 2006.</p> <p>i. On what basis does the UNDP compare countries on Human Development? ii. Explain Human Development briefly. iii. Mention any other aspects that should be considered in measuring Human Development.</p>	4 × 1 = 4	Critical Thinking
9.	<p align="center">(MAP BASED QUESTION)</p> <p>(a) Three features with serial numbers 1 to 3 are marked on the given political outline map of India. Identify these features with the help of the following information and write their correct names on the lines marked on the Map.</p> <p>i. Soil type ii. Tiger Reserve iii. The leading coffee producing state</p> <p>(b) On the same map of India, locate and label any one of the following with suitable symbols.</p> <p>(I) Place where Gandhi Ji broke the salt law. (II) Place where Sardar Patel led the Satyagraha.</p>	4 × ½ = 2	Understanding

Outline Map of India (Political)



10.

(PICTURE BASED QUESTION)

$4 \times \frac{1}{2} = 2$

Application Based

The States Plead for More Powers



This is a cartoon titled "States plead more powers". Answer the following questions with respect to this cartoon:

- (I) When Sunil looked at this cartoon, he said that this could not happen in the USA. Why did he say this?
 - i. There are more individual states in the USA than in India.
 - ii. The central government holds absolute authority over the entire country.

	<p>iii. The individual states in the USA can make their own laws, unlike in India.</p> <p>iv. The central government in the USA does not hold more power than the individual states.</p> <p>(II) Which of the following features of federalism is being violated in the cartoon?</p> <p>i. The jurisdiction of the states</p> <p>ii. The Union granting equal powers to all states</p> <p>iii. Power of the states to hold the Union accountable for its decisions</p> <p>iv. A unified authority with administrative powers vested with the states</p> <p>(III) Some states are pictured as people begging for food. Who is providing the food?</p> <p>i. The Supreme Court</p> <p>ii. The Central government</p> <p>iii. International organizations</p> <p>iv. The local governments of the state</p> <p>(IV) The food being served to the states can be interpreted as which of the following?</p> <p>P) Monetary support</p> <p>Q) Decision-making power</p> <p>R) Defining state borders</p> <p>i. Only P and R</p> <p>ii. Only Q and R</p> <p>iii. Only P and Q</p> <p>iv. All – P, Q and R</p>		
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ARMY PUBLIC SCHOOL GWALIOR
CLASS - X
ACADEMIC SESSION 2025-26
WORKSHEET (SELF –ASSESSMENT)



Subject: Multimedia

Assignment No.: 6

Allotment Date: 30 November 2025

S. No.	QUESTIONS	MARKS	NATURE
1	Why entrepreneur should have ability of Decision making?	1	Information
2	Write any two Myths of Entrepreneurship?	1	Information
3	What is Sustainable Development?	1	Critical Thinking
4	Write any one quality of an entrepreneur.	1	Information
5	In context of Entrepreneurship, what is Business Idea?	1	Information
6	Define SDGs: (a) No Poverty (b) Zero Hunger (c) Quality Education (d) Gender Equality (e) Clean Water and Sanitation (f) Affordable and Clean Energy (g) Reduce Inequalities (h) Industry Innovation (i) Life Below Water (j) Life on Land	10x1= 10	Understanding
7	Explain any two differences between Entrepreneurship and Entrepreneur?	2	Understanding
8	Explain Risk Management in Entrepreneurship.	2	Understanding
9	What do you understand by the term "Market Need "	2	Analytical
11	In context of Green Skills, what is Clean Energy?	2	Understanding
12	What do you understand by the term "Green Jobs"?	2	Understanding



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



Subject: Marketing and Sales

Assignment No.: 6

Allotment Date: 30 November 2025

S. No.	QUESTIONS	MARKS	NATURE
I	<p>Section A: Objective Type Questions (0.5 × 8 = 4 Marks) Multiple Choice Questions Q1. Who is an entrepreneur? a) A person who works in a company b) A person who starts a business c) A person who buys products d) A daily wage worker</p> <p>Q2. What is the quality of a good entrepreneur? a) Laziness b) Risk-taking c) Fear of failure d) Avoiding responsibility</p> <p>Q3. Which of the following is NOT a function of an entrepreneur? a) Innovation b) Organising resources c) Taking risks d) Sleeping</p> <p>Q4. Which of the following is a myth about entrepreneurship? a) Entrepreneurs take risks b) Entrepreneurs are born, not made c) Entrepreneurs innovate d) Entrepreneurs create jobs</p> <p>Q5. Sustainable development means — a) Using all resources quickly b) Saving resources for future generations c) Destroying nature d) Producing more waste</p>	<p>0.5</p> <p>0.5</p> <p>0.5</p> <p>0.5</p> <p>0.5</p>	<p>Recall & Accuracy and decision- making</p>

	<p>Q6. Which of the following is a renewable resource? a) Coal b) Petroleum c) Wind d) Natural gas</p> <p>Q7. Which practice helps reduce environmental pollution? a) Using plastic bags b) Burning waste c) Recycling d) Wasting electricity</p> <p>Q8. Green skills are required to — a) harm the environment b) support sustainable development c) increase pollution d) waste resources</p>	0.5	
		0.5	
		0.5	
II	<p>Fill in the blanks :- (0.5X6=3))</p> <p>1. An entrepreneur is a person who _____ a business.</p> <p>2. One key quality of an entrepreneur is _____.</p> <p>3. Entrepreneurs create _____ for others.</p> <p>4. Sustainable development aims to protect the _____.</p> <p>5. Reducing, reusing, and recycling are known as _____.</p> <p>6. Solar energy is an example of _____ energy.</p>	0.5 0.5 0.5 0.5 0.5 0.5	Recall & Accuracy and decision-making
III	<p>Section B: Short Answer Questions (2 × 5 = 10 Marks)</p> <p>Q1. Define entrepreneurship.</p> <p>Q2. Write two qualities of an entrepreneur.</p> <p>Q3. Mention two myths about entrepreneurship.</p> <p>Q4. What is sustainable development?</p> <p>Q5. Give two examples of renewable resources.</p>	2 2 2 2 2	Comprehension, Application and Critical Thinking
IV	<p>Section C: Long Answer Questions (4× 2 = 8 Marks)</p> <p>Q1. Explain any four functions of an entrepreneur.</p> <p>Q2. Describe the importance of green skills in today's world.</p>	4 4	Critical Thinking, Problem-Solving & Expression



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



Subject: Information Technology
Allotment Date: 30 November 2025

Assignment No.: 6

S.NO.	QUESTIONS	MARKS	NATURE
1	<p>i. Which of the following features allows one to apply a group of formats at the same time?</p> <p>(a) Fill (b) Styles (c) Images (d) Drag and Drop</p> <p>ii Pushkar has created a drawing using multiple shapes that are arranged in a particular position and manner in his document. Suggest a feature that can be used to let the objects remain set as a collection.</p> <p>(a) Transparency (b) Posterize (c) Grouping drawing objects (d) Ordering drawing objects</p> <p>iii. In Writer, styles and formatting option is available under _____ menu.</p> <p>(a) Insert (b) Tools (c) Format (d) Window</p> <p>iv. In LibreOffice Writer, what term refers to the vertical or horizontal placement of an object or graphics.</p> <p>(a) Flip. (b) Rotate (c) Align (d) Arrange</p> <p>v. LibreOffice Writer supports _____ types of Styles?</p> <p>(a) 5 (b) 4 (c) 3 (d) 6</p> <p>vi. Which option in LibreOffice Writer allows the creation of a new Styles using drag-and-drop method?</p> <p>a) Templates b) Design Mode c) Styles Pane d) None of These</p>	0.5 x 10=5	Information

	<p>vii. Which of the following objects of LibreOffice Base is used to display data retrieved from one or more tables in a presentable manner?</p> <p>(a) Query (b) Form (c) Report (d) Panel</p> <p>viii. Which of the following uniquely identifies a row in a table?</p> <p>(a) Primary key (b) Alternate key (c) Foreign key (d) Candidate key</p> <p>ix. All the field values that are eligible to be the primary key are the _____ keys for that table</p> <p>x. _____ includes risk from machinery and equipment.</p> <p>(a) Chemical Hazards (b) Biological Hazards (c) Environmental Hazards (d) Physical Hazards</p>		
2	<p>i.. In Open Office Writer, what are the styles? List two Open Office Writer style options.</p> <p>ii.. What do you mean by 'What If' Analysis?</p> <p>iii. How many ways to refer cells in other sheets in Calc?</p>	1 X 3 = 3	Understanding and Problem Solving
3	<p>i. When we insert any object or image in a LibreOffice Writer document, it can be modified as per requirement. What are the various ways to do so.</p> <p>ii. Why is Goal Seek also called the Back-Solving Method?</p> <p>iii. What do you understand by Cell Reference?</p> <p>iv. Explain any two types of relationship that can be created in LibreOffice Base.</p> <p>v. Give any two electrical safety rules that organizations must follow.</p>	1m X 5 = 5	Critical Thinking
4	<p>i. What is the concept of mail merge in word processing software? Discuss in detail. Also give any two major benefits of using mail merge.</p> <p>ii. A Class X student is participating in a school competition where they need to analyse the performance of different sports teams based on match scores and statistics. The student has collected data over several matches and needs to calculate averages, determine rankings, and generate charts for a presentation.</p> <p>a) How are Macros in Calc helpful to him? b) How to enable Macro in Calc? c) Is solution*word a valid macro name? Justify. d) Mention any one operation which cannot be recorded by macro.</p> <p>iii. In context of LibreOffice Base, explain the concept and significance of the following</p>	4m X3= 12	HOT

	(a) Table (b) Query (c) Form (d) Report		
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ARMY PUBLIC SCHOOL GWALIOR
CLASS - X
ACADEMIC SESSION 2025-26
WORKSHEET (SELF –ASSESSMENT)



Subject: Artificial Intelligence
Allotment Date: 30 November 2025

Assignment No.: 6

S.NO.	QUESTIONS	MARKS	NATURE
1	<p>(i) Which of the following type of data does Computer Vision primarily work with?</p> <p>a) Audio Signals</p> <p>b) Video and image data</p> <p>c) Text data</p> <p>d) Location data</p> <p>(ii) Which of the following is NOT a real-time application of NLP?</p> <p>a) Image recognition</p> <p>b) Chatbots</p> <p>c) Plagiarism checker</p> <p>d) Sentiment analysis</p> <p>(iii) What does a “perfect fit” represent in model evaluation?</p> <p>(a) The ideal balance between complexity and generalization</p> <p>(b) High bias and low variance</p> <p>(c) Low bias and high variance</p> <p>(d) Overfitting the training data</p> <p>(iv) What can personal assistant applications like Siri and Alexa do?</p> <p>a) Only play music</p> <p>b) Only send messages</p> <p>c) Perform a variety of tasks such as setting alarms , playing music and booking appointments.</p> <p>d) Perform complex calculations</p> <p>(v) Which step in text processing creates a list of all unique words in the normalized corpus?</p> <p>a)Text Normalisation</p> <p>b)Stemming</p>	1 x 5=5	Information

	<p>c) Create Dictionary</p> <p>d) Create Document Vectors</p>		
2	<p>(i) Describe the application of facial recognition in Computer Vision.</p> <p>(ii) Akhil wants to learn how to scope the problem for an AI Project. Explain him the following:</p> <p style="padding-left: 40px;">(a) 4W Problem Canvas</p> <p style="padding-left: 40px;">(b) Problem Statement Template</p> <p>(iii) What is NLP?</p> <p>(iv) Differentiate between human languages and computer languages.</p> <p>(v) Explain the function of the Pooling Layer in a CNN.</p>	3 X 5 = 15	Understanding and Problem Solving



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



Subject: Data Science

Assignment No.: 6

Allotment Date: 30 November 2025

S. No.	QUESTIONS	MARKS	NATURE
I	<p>1. Data merging includes the following operations.</p> <p>A Data Processing</p> <p>B Data Conversation</p> <p>C Both of these</p> <p>D None of these</p> <p>2. The row in a table data is also known as _____.</p> <p>A Field</p> <p>B Record</p> <p>C Image file</p> <p>D Relational Database</p> <p>3. Which pillar of data governance deals with regulatory requirements of a country?</p> <p>A Security</p> <p>B Ethics</p> <p>C Privacy</p> <p>D Quality</p> <p>4. Donating things we do not use, such as clothes, books, furniture, or food, contributes to which Sustainable Development Goal?</p> <p>A.SDG 12 – Responsible Consumption and Production</p> <p>B.SDG 3 – Good Health and Well-being</p> <p>C.SDG 1 – No Poverty</p> <p>D.SDG 4 – Quality Education</p>	1 x 5 =5	Recall & Accuracy and decision-making

	<p>5. Statement1: Economic development is using up resources of the world. Statement2: This would have serious environmental problems, much worse than those that we are facing at present.</p> <p>A.Both Statement1 and Statement2 are correct B.Both Statement1 and Statement2 are incorrect C.Statement1 is correct but Statement2 is incorrect D.Statement2 is correct but Statement1 is incorrect</p>		
<p>IV</p>	<p>Answer the following questions:-</p> <p>a) Explain the complete data life cycle management process in detail.</p> <p>b) What do you understand by the term ethics? Explain the meaning of ethics in the context of data with a formal definition.</p> <p>c) What is data merging? Why is it required?</p> <p>d) What is an equijoin or inner join? Does the order of table participation matter in the inner join?</p> <p>e) What is a z-score? How is the z-score of a value in the distribution calculated?</p>	<p>3 x 5 =15</p>	<p>Critical Thinking, Problem-Solving & Expression</p>



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



Subject: Physical Activity Trainer
Allotment Date: 30 November 2025

Assignment No.: 6

S. No.	QUESTIONS	MARKS	NATURE
1	Which of these are example of feedback? (a) Good work (b) You can draw better (c) Some points are missing (d) You need to work	1	Analytical Skill
2	What are stressors in the context of stress management? a) Situations that cause relaxation and calmness b) Situations that do not affect an individual's well-being c) Situations that lead to emotional, mental, physical, or social reactions d) Situations that are always positive and desirable	1	Analytical Skill
3	Which activities are to be conducted by facilitators (a) Athletics Event (b) Free Play (c) Combative (d) None of these	1	Interdisciplinary
4	Things should be kept in mind while assessing the students- (a) Accountability. b. Performance-based assessment (c) Evidence-based assessment d. All of these		Understanding
5	Which of the following options is used to recall a file from recycle Bin? a. Restore b. Recall c. Refresh d. Renew	1	Analytical Skill
6	Dribbling is related to (a) Basket ball (b) Volleyball	1	Understanding

	(c) Athletics (d) All of these		
7	How much time should be given to warming up (a) 7-8 minutes (b) 10-20 minutes (c) 5-6 minutes (d) 2-3 minutes	1	Information
8	Assessment in the _____. a. Assessment is process of locating, selecting, producing, compiling, assessing, deciphering, and utilising data b. Assessment is a planned and ongoing process of collecting data c. Both a and b d. None of these	1	Critical Thinking
9	Question and answer sessions by the related to (a) Dealing with customers? Parents (b) teacher and student (c) a and b (d) None of the above	1	Interdisciplinary
10	Free Play is to a. Fun b. Learn (c) Win d. Loose	1	Information
11	Short type question (a) What is Declarative/ assertive sentence? Give examples (b) Describe any two responsibilities of facilitator. (c) What are the two ways in which personal information can be lost or leaked from a computer? (d) Write two Emergency incident management. (e) What do you understand by Heterogeneous group?	5x1 =5	Understanding

12	Answer the following questions in about 20-30 words. (a) What are the different components of Physical Education programs conducted by Physical Activity Facilitators? (b) Write two advantages and disadvantages of free play.	2x5= 10	Critical Thinking and Problem Solving
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