

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

Subject: English

Assignment No. : 5

Allotment Date: 31 October 2024

| S. NO. | QUESTIONS  | MARKS | NATURE                                |
|--------|--|-------|---------------------------------------|
| 1      | 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.   | 6     | Information                           |
| 2      | Read the extract given below and answer the questions that follow.<br>Silence surrounds us. I would have<br>Him prodigal , returning to<br>His father’s house , the home he knew,<br>Rather than see him make and move<br>His world. I would forgive him too ,<br>Shaping from sorrow a new love.<br>i. What does the father want from his son ?<br>ii. Why does the father call his son prodigal ?<br>iii. Which poetic device is used in “ Silence surrounds us” ?<br>iv. Which poetic device is used in “ Shaping from sorrow a new love” ? | 4     | Understanding                         |
| 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?   | 5     | HOTS                                  |
| 4      | Father and son behave like strangers to each other. What can be the possible reason for this ? Discuss with reference to the poem “ Father and Son”.   | 5     | HOTS                                  |
| 5      | Mother is the axis around whom the whole family revolves. Mother should always be respected. Elaborate.  | 5     | Analytical Skill                      |
| 6      | Complete the following sentences by using properly formed noun clause by selecting from the options given below.<br>i. Ravi asked me .....( where was his wallet/ where his wallet was) .<br>ii. I don’t know .....( how many children he has/ how many children does he have )<br>iii. ( How close we are/ How close are we ).....is not important.<br>iv. ( What did she say/ What she said).....was sad.<br>v. We are not responsible for .....( what our children say/ what do our children say)   | 1x5=5 | Critical Thinking and Problem Solving |

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| 7 | <p>Answer the following questions in 30-40 words each.</p> <p>i.)Who is Mrs Fitzgerald ? How is she different from Mrs Annie Pearson in her looks and speech ?</p> <p>ii.)What advice did Mrs Fitzgerald give to Annie Pearson ?</p> <p>iii.)What was wrong in Annie Pearson's family ?</p> <p>iv.)How was the experience different for both Mrs Fitzgerald and Mrs Annie Pearson after the change of souls ?</p> <p>v.)What change can be seen in Annie's family in the end ?</p> | 2x5=10 | Evaluation |



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**WORKSHEET (SELF -ASSESSMENT)**

**Subject: Hindi**

**Assignment No. : 5**

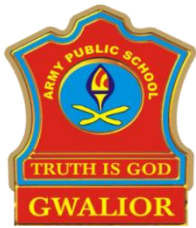
**Allotment Date: 31 October 2024**

| S. NO. | QUESTIONS   | MARKS | NATURE      |
|--------|---|-------|-------------|
| 1      | <p>. भारत में हरित क्रांति का मुख्य उद्देश्य देश को खाद्यान्न मामले में आत्मनिर्भर बनाना था, लेकिन इस बात की आशंका किसी को नहीं थी कि रासायनिक उर्वरकों और कीटनाशकों का अंधाधुंध इस्तेमाल न सिर्फ खेतों में, बल्कि खेतों से बाहर मंडियों तक में होने लगेगा। विशेषज्ञों के मुताबिक रासायनिक उर्वरकों और कीटनाशकों का प्रयोग खाद्यान्न की गुणवत्ता के लिए सही नहीं है, लेकिन जिस रफ्तार से देश की आबादी बढ़ रही है, उसके मद्देनज़र फसलों की अधिक पैदावार ज़रूरी थी। समस्या सिर्फ रासायनिक खादों के प्रयोग की ही नहीं है। देश के ज़्यादातर किसान परंपरागत कृषि से दूर होते जा रहे हैं।</p> <p>दो दशक पहले तक हर किसान के यहाँ गाय, बैल और भैंस खूटों से बँधे मिलते थे। अब इन मवेशियों की जगह ट्रैक्टर-ट्राली ने ले ली है। परिणामस्वरूप गोबर और घूरे की राख से बनी कंपोस्ट खाद खेतों में गिरनी बंद हो गई। पहले चैत-बैसाख में गेहूँ की फसल कटने के बाद किसान अपने खेतों में गोबर, राख और पत्तों से बनी जैविक खाद डालते थे। इससे न सिर्फ खेतों की उर्वरा-शक्ति बरकरार रहती थी, बल्कि इससे किसानों को आर्थिक लाभ के अलावा बेहतर गुणवत्ता वाली फसल मिलती थी। (Delhi 2015)</p> <p>प्रश्न: 1.<br/>हमारे देश में हरित क्रांति का उद्देश्य क्या था?</p> <p>प्रश्न: 2.<br/>खाद्यान्नों की गुणवत्ता बनाए रखने के लिए किनका प्रयोग सही नहीं?</p> <p>प्रश्न: 3.<br/>विशेषज्ञ हरित क्रांति की सफलता के लिए क्या आवश्यक मानने लगे और क्यों?</p> | 5     | Information |

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|   | <p>प्रश्न: 4.<br/>हरित क्रांति ने किसानों को परंपरागत कृषि से किस तरह दूर कर दिया?</p> <p>प्रश्न: 5.<br/>हरित क्रांति का मिट्टी की उर्वरा शक्ति पर क्या असर हुआ? इसे समाप्त करने के लिए क्या-क्या उपाय करना चाहिए?</p>  |   |               |
| 2 | <p>क. "नारी शिक्षा कि आवश्यकता</p> <p>ख. शहरों में बढ़ते हुए अपराध</p>  | 5 | Understanding |
| 3 | <p>निम्नलिखित काव्यांश को पढ़कर पूछे गए प्रश्नों के उत्तर दीजिए-</p> <p>1. शांति नहीं तब तक, जब तक<br/>सुख-भाग न सबका सम हो।<br/>नहीं किसी को बहुत अधिक हो<br/>नहीं किसी को कम हो।<br/>स्वत्व माँगने से न मिले,<br/>संघात पाप हो जाएँ।<br/>बोलो धर्मराज, शोषित वे<br/>जिएँ या कि मिट जाएँ?<br/>न्यायोचित अधिकार माँगने<br/>से न मिले, तो लड़ के<br/>तेजस्वी छीनते समय को,<br/>जीत, या कि खुद मर के।<br/>किसने कहा पाप है? अनुचित<br/>स्वत्व-प्राप्ति-हित लड़ना?<br/>उठा न्याय का खड्ग समर में<br/>अभय मारना-मरना?</p> <p>प्रश्न:<br/>(क) कवि के अनुसार शांति के लिए क्या आवश्यक शर्त है?<br/>(ख) तेजस्वी किस प्रकार समय को छीन लेते हैं ?</p> | 5 | HOT           |

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|   | (ग) न्यायोचित अधिकार के लिए मनुष्य को क्या करना चाहिए?<br>(घ) कृष्ण युधिष्ठिर को युद्ध के लिए क्यों प्रेरित कर रहे हैं ?   |   |                   |
| 4 | <p>प्रश्न -1"नमक का दरोगा" मुंशी प्रेमचन्द्र द्वारा रचित एक -----है  </p> <p>क . जीवनी</p> <p>ख .निबन्ध</p> <p>ग. कहानी</p> <p>घ. नाटक</p> <p>प्रश्न -2 कहानी में प्रयुक्त नमक किसका प्रतिक है</p> <p>क .स्वाद का</p> <p>ख . सुगंध का</p> <p>ग .न्याय का</p> <p>घ . वफादारी का</p> <p>प्रश्न - 3 नमक का दरोगा कहानी का मुख्य पात्र है</p> <p>क .अलोपिदीन</p> <p>ख . वृद्ध मुंशी</p> <p>ग . वंशीधर</p> <p>घ . न्यायाधीश</p> <p>प्रश्न - 4 वंशीधर के पिता ने मासिक वेतन को क्या कहा है</p> <p>क .चाँद</p> <p>ख .अमावस्या का चाँद</p> <p>ग . पूर्णमासी का चाँद</p> <p>घ . बहता श्रोत</p> <p>प्रश्न - 5 इस कहानी में लक्ष्मी के उपासक कौन थे</p> <p>क .न्यायाधीश</p> | 5 | Interdisciplinary |

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|   | <p>ख . वंशीधर</p> <p>ग . अलोपिदीन</p> <p>घ . उपयुक्त सभी</p>  |   |                                       |
| 5 | <p>‘प्रश्न - 3 मुख्य सड़क पर अनेक रेहड़ियों पर गन्ने का जूस तथा कटे-खुले फल धड़ल्ले से बिक रहे हैं पूजा गोयल की ओर से स्वास्थ्य अधिकारी , जहांगीर पूरी को पत्र लिखकर चिंता व्यक्त कीजिए ।</p> | 5 | Analytical Skill                      |
| 6 | <p>‘महंगी शिक्षा’ विषय पर फीचर लिखिए।</p>   | 5 | Critical Thinking and Problem Solving |
| 7 | <p>.युवावर्ग में बढ़ती नशाखोरी” विषय पर अपने विचार लिखो</p>   | 5 | Evaluation                            |
| 8 | <p>समाचार में बीट किसे कहते हैं ?</p>   | 5 | Communication Skills                  |



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Subject: Physics

Assignment No. : 5

Allotment Date: 31 October 2024

| S. NO. | QUESTIONS  | MARKS | NATURE           |
|--------|--|-------|------------------|
| 1      | The radius of the earth is 6400 km and $g = 10 \text{ m/s}^2$ . In order that a body of 5 kg weighs zero at the equator, the angular speed of the earth is   | 2     | Information      |
| 2      | A missile is launched with a velocity less than the escape velocity. The sum of its kinetic and potential energy is  | 2     | Understanding    |
| 3      | There is no atmosphere on the moon because   | 2     | Understanding    |
| 4      | The gravitational potential energy of a body at a distance $r$ from the centre of earth is $U$ . What is the weight of the body at that point?   | 2     | HOT              |
| 5      | A satellite revolving around earth loses height. How will its time period be changed?  | 2     | Analytical Skill |
| 6      | Should the speed of two artificial satellites of the earth having different masses but the same orbital radius, be the same?   | 2     | Hot              |
| 7      | If a person goes to a height equal to radius of the earth from its surface. What would be his weight relative to that on the earth.  | 3     | Understanding    |
| 8      | a) The escape velocity for a body projected vertically upwards from the surface of the earth is 11 km/s. If the body is projected at an angle of $45^\circ$ with the vertical, the escape velocity will be | 3     | Information      |
| 9      | If a person goes to a height equal to radius of the earth from its surface. What would be his weight   | 3     | Evaluation       |

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|    | relative to that on the earth.  |   |                                       |
| 10 | Draw graphs showing the variation of acceleration due to gravity with (a) height above the earth's surface, (b) depth below the Earth's surface.  | 3 | Critical thinking and Problem solving |
| 11 | <p>a) What do you understand by 'Escape velocity'? Derive an expression for it in terms of parameters of given planet</p> <p>b) If a body of mass <math>m</math> is taken out from a point below the surface of earth equal to half the radius of earth, <math>R</math>, to a height <math>R</math> above the earth's surface, then work done on it will be</p> | 3 | Interdisciplinary                     |
| 12 | What do you understand by gravitational field, Intensity of gravitational field. Prove that gravitational intensity at a point is equal to the acceleration due to gravity at that point.   | 3 | Analytical Skill                      |
| 13 | A satellite is revolving around the earth, close to the surface of earth with a kinetic energy $E$ . How much kinetic energy should be given to it so that it escapes from the surface of earth?  | 5 | Critical thinking and Problem solving |
| 14 | A tennis ball and a cricket ball are to be projected out of gravitational field of the earth. Do we need different velocities to achieve so?  | 5 | Interdisciplinary                     |





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**Subject: Chemistry**

**Assignment No. : 5**

**Allotment Date: 31 October 2024**

| S. NO. | QUESTIONS   | MARKS | NATURE            |
|--------|---|-------|-------------------|
| 1      | Write Lewis dot structure for the following<br><br>i.S                                      ii.S <sup>2-</sup>                                    | 2     | Analytical Skills |
| 2      | Define Octete rule..Write its significance.   | 2     | Understanding     |
| 3      | Distinguish between sigma and pie bond.   | 2     | Information       |
| 4      | Write the favourable factors for the formation of ionic bond.   | 2     | Information       |
| 5      | Which out of NH <sub>3</sub> and NF <sub>3</sub> has higher dipole moment?Why   | 2     | Information       |
| 6      | What is significance of dipole moment?  | 2     | Understanding     |
| 7      | Although geometries of NH <sub>3</sub> and H <sub>2</sub> O molecules are distorted tetrahedral ,bond angle in water is less than ammonia.Discuss | 3     | Understanding     |
| 8      | Explain why BeH <sub>2</sub> molecule has a zero dipole moment although Be-H bond is polar.   | 3     | HOT               |

| S. NO. | QUESTIONS   | MARKS | NATURE            |
|--------|---|-------|-------------------|
| 9      | Compare the relative stabilities of the following species and indicate their magnetic properties-<br><br>O <sub>2</sub> ,O <sub>2</sub> <sup>+</sup> ,O <sub>2</sub> <sup>-</sup> | 3     | HOT               |
| 10     | Using MOT ,explain why Be <sub>2</sub> molecule does not exist.   | 3     | Interdisciplinary |
| 11     | Draw diagrams showing formation of double and triple bond in C <sub>2</sub> H <sub>4</sub> and C <sub>2</sub> H <sub>2</sub> .  | 3     | Interdisciplinary |
| 12     | Draw shapes of<br><br>i.PCl <sub>5</sub><br><br>ii.SF <sub>6</sub><br><br>iii.BCl <sub>3</sub>  | 3     | Interdisciplinary |
| 13     | What do you mean by Hybridisation? Describe shapes of sp,sp <sup>2</sup> ,sp <sup>3</sup>   | 5     | Information       |

|           |  |          |     |
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|           | hybridised orbitals.   |          |     |
| <b>14</b> | What do you mean by bond order? Calculate bond order in-<br><br>1. $N_2$<br><br>2. $O_2$<br><br>3. $O_2^+$<br><br>4. $O_2^-$<br><br>5. $H_2$ | <b>5</b> | HOT |



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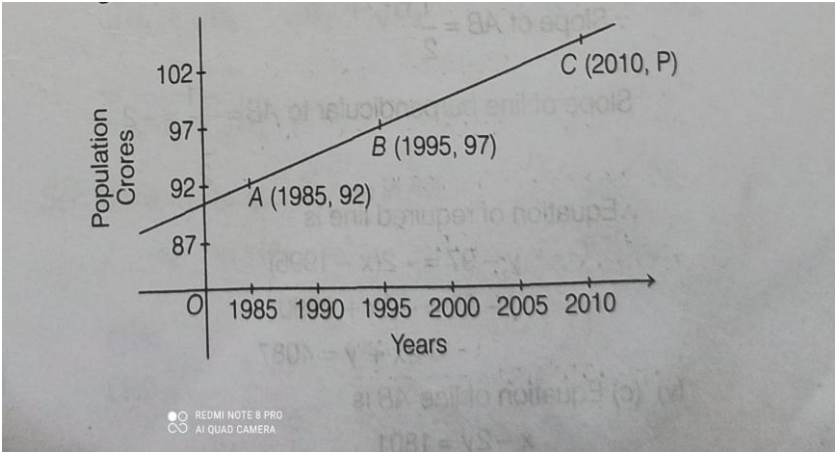
Subject: Mathematics

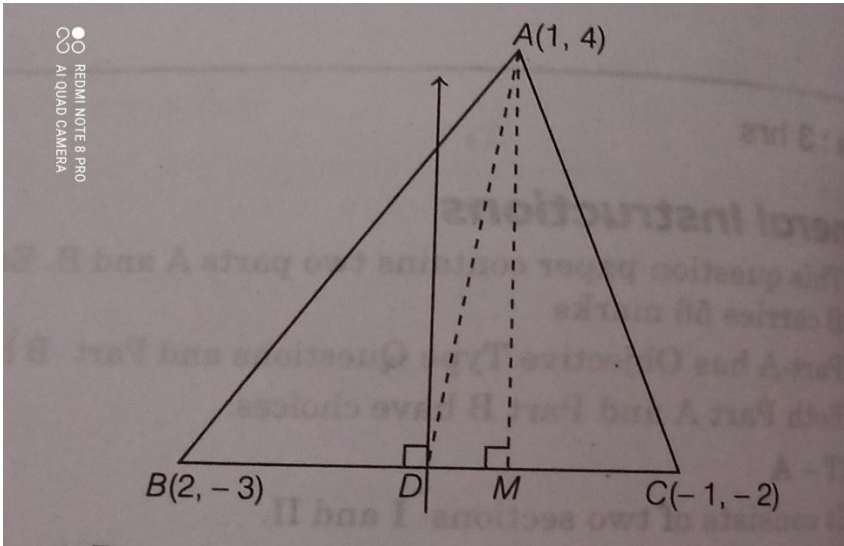
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| S. NO. | QUESTIONS   | MARKS | NATURE        |
|--------|---|-------|---------------|
| 1      | The 40 <sup>th</sup> term of the series $8, 10\frac{1}{2}, 13, 15\frac{1}{2}, \dots$ is:<br>(a) 103.5      (b) 101    (c) 105.5      (d) 107  | 1     | Understanding |
| 2      | 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:<br>(a) 4:1    (b) 2:1    (c) 1:2    (d) 1:4                                    | 1     | HOT           |
| 3      | The number of diagonals that can be formed by a polygon of 100 sides is:<br>(a) 4950      (b) 4850      (c) 5000      (d) 10,000  | 1     | HOT           |
| 4      | The line $6x+8y+1=0$ makes intercepts p,q on co-ordinate axis. The value of p+q is:<br>(a) $7/24$ (b) $-7/24$ (c) 14      (d) -14   | 1     | Understanding |
| 5      | If 9 times the 9 <sup>th</sup> term of an AP is equal to 13 times the 13 <sup>th</sup> term, then the 22 <sup>nd</sup> term of the AP is:<br>(a) zero      (b) 22      (c) 220      (d) 198 | 1     | Understanding |
| 6      | 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:<br>(a) -9      (b) -8      (c) 8      (d) 9   | 1     | Understanding |

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| 7  | <p>The inclination of the line <math>x-y+3=0</math> with the positive direction of x-axis is:</p> <p>(a) <math>45^\circ</math>                      (b) <math>135^\circ</math>(c) <math>-45^\circ</math>                      (d) <math>-135^\circ</math></p>   | 1 | Understanding |
| 8  | <p><b>Assertion- Reason Type:</b></p> <p><b>Direction:</b> 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.</p> <p>(a) Both A and R are true and R is the correct explanation of A.</p> <p>(b) Both A and R are true and R is the not correct explanation of A.</p> <p>(c) A is true but R is false.</p> <p>(d) A is false but R is true.</p> <p><b>Assertion:</b> The lines <math>x-3y+4=0</math> and <math>3x+y+7=0</math> are perpendicular.</p> <p><b>Reason:</b> Product of slopes of lines is -1.</p> | 1 | Information   |
| 9  | <p><b>Assertion- Reason Type:</b></p> <p><b>Direction:</b> 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.</p> <p>(e) Both A and R are true and R is the correct explanation of A.</p> <p>(f) Both A and R are true and R is the not correct explanation of A.</p> <p>(g) A is true but R is false.</p> <p>(h) A is false but R is true.</p> <p>Assertion: If points A,B,C are collinear then area of <math>\Delta ABC = 0</math></p> <p>Reason: <math>AB+BC = AC</math></p>                               | 1 | Information   |
| 10 | <p>If the angle between two lines is <math>\pi/4</math> and the slope of one of the lines is <math>1/2</math>, find the slope of the other line.</p>  | 2 | Understanding |
| 11 | <p>Line through the points <math>(-2,6)</math> and <math>(4,8)</math> is perpendicular the line through the points <math>(8,12)</math> and <math>(x,24)</math>. Find the value of x.</p>  | 2 | HOT           |

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|    |   |   |                                       |
| 12 | Using binomial theorem, prove that $6^n - 5n$ always leaves remainder 1 when divided by 25.   | 2 | HOT                                   |
| 13 | If G.M. between two positive numbers is 16. If one numbers is 32, find the other number.  | 2 | Analytical Skill                      |
| 14 | How many two-digit numbers are divisible by 8?  | 2 | Understanding                         |
| 15 | 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 | Interdisciplinary                     |
| 16 | Using section formula, show that the points A (2,-3,4), B (-1,2,1) and C (0,1/3,2) are collinear.   | 3 | Understanding                         |
| 17 | The perpendicular from the origin to a line meets it at a point (-2,9), find the equation of the line.  | 3 | Understanding                         |
| 18 | <p>Case Study:</p> <p>Consider the following population and year graph.</p>  <p>Based on the above information, answer the following:</p> <p>(i) Find the slope of the line AB.</p> | 3 | Critical Thinking and Problem Solving |

|                  |   |                 |  |
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|                  | <p>(ii) Find the equation of the line AB.</p> <p>(ii) Find the equation of the line perpendicular to line AB and passing (1995, 97).</p>  |                 |  |
| <p><b>19</b></p> | <p>Case Study:</p> <p>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.</p>  <p>Based on the above information, answer the following questions:</p> <p>(iii) Find the slope of BC.</p> <p>(ii) Find the equation of median through A.</p> <p>(iv) Find the equation of altitude through A.</p> | <p><b>4</b></p> | <p>Critical Thinking and Problem Solving</p> |
| <p><b>20</b></p> | <p>If p and q are the lengths of perpendiculars from the origin to the lines <math>x \cos \theta - y \sin \theta = k \cos 2\theta</math>, and <math>x \sec \theta + y \operatorname{cosec} \theta = k</math>, respectively, prove that <math>p^2 + 4q^2 = k^2</math>.</p>   | <p><b>5</b></p> | <p>Critical Thinking and Problem Solving</p> |



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

**Subject: Biology**

**Assignment No. : 5**

**Allotment Date: 31 October 2024**

| S.NO. | QUESTIONS   | MARKS | NATURE            |
|-------|---|-------|-------------------|
| 1.    | Give two reasons as to why photosynthesis is considered to be the most important metabolic reaction on the earth. | 2     | Analytical Skills |
| 2.    | Differentiate between chlorophyll a and chlorophyll b.  | 2     | Understanding     |
| 3.    | Why are reaction centers of photosystem named as P <sub>700</sub> and P <sub>680</sub> respectively?              | 2     | Analytical Skills |
| 4.    | Mention the function of accessory pigments.   | 2     | Interdisciplinary |
| 5.    | What is Z- scheme in the light reaction of photosynthesis? Why is it called so?                                   | 2     | Understanding     |
| 6.    | Why are protons transported from the stroma across the thylakoid membrane into the lumen in a chloroplast?        | 2     | Information       |
| 7.    | Why is there a decrease in the rate of photosynthesis at high light intensities?                                  | 3     | Information       |
| 8.    | Why is there no photorespiration in C <sub>4</sub> plants?  | 3     | HOT               |
| 9.    | Photorespiration is a wasteful process. Give three reasons.   | 3     | Understanding     |
| 10.   | Explain cyclic photophosphorylation along with its pathway.   | 3     | HOT               |
| 11.   | Expand PEP. Where is it produced in C <sub>4</sub> plants? What is its role in the biosynthetic pathway?          | 3     | Interdisciplinary |
| 12.   | Represent schematically the process of ATP synthesis through chemiosmosis in chloroplast.                         | 3     | Interdisciplinary |
| 13.   | Explain non- cyclic photophosphorylation in plants. Why is this process called so?                                | 5     | Understanding     |
| 14.   | Describe Hatch and Slack pathway of CO <sub>2</sub> fixation.   | 5     | HOT               |



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

**Subject: Accountancy**

**Assignment No. : 5**

**Allotment Date: 31 October 2024**

| S. NO. | QUESTIONS   | MARKS | NATURE      |
|--------|---|-------|-------------|
| 1.     | If the trial balance does not tally after many efforts, then the _____ account is opened.<br><br>(a) Purchase account<br><br>(b) Suspense account<br><br>(c) Sales account<br><br>(d) None of the above   | 1     | Knowledge   |
| 2.     | A trial balance is prepared after _____.<br><br>(a) Preparation of the financial statement<br><br>(b) Recording the transactions in the subsidiary books<br><br>(c) Posting it to the ledger is complete<br><br>(d) Posting it to the ledger is complete, and the accounts have been balanced | 1     | Application |
| 3.     | Trial balance is _____.<br><br>(a) An account<br><br>(b) A statement<br><br>(c) A subsidiary book<br><br>(d) A principal book   | 1     | Remembering |
| 4.     | Which of the following is prepared on the basis of trial balance?<br><br>(a) Journal<br><br>(b) Ledger<br><br>(c) Final Accounts  | 1     | Knowledge   |



|    |   |   |                       |
|----|---|---|-----------------------|
|    | (d) None of the above   |   |                       |
| 5. | <p>What kind of accuracy is tested by trial balance?</p> <p>(a) Theoretical</p> <p>(b) Practical</p> <p>(c) Arithmetical</p> <p>(d) None of the above</p>   | 1 | Knowledge             |
| 6. | <p>Under which depreciation method does the amount of depreciation expenses remains the same throughout the useful life of a fixed asset?</p> <p>(a) Reducing balance method</p> <p>(b) Number of units produced method</p> <p>(c) Machine hours method</p> <p>(d) Straight-line method</p> | 1 | Understanding         |
| 7. | <p>Depreciation helps in determining _____.</p> <p>(a) Increases the value of the asset</p> <p>(b) Revenue generation</p> <p>(c) Increase the burden of tax</p> <p>(d) Accurate level of profit</p>   | 1 | Understanding         |
| 8. | <p>At the end of the year, the depreciation account is transferred to _____.</p> <p>(a) Trading account</p> <p>(b) Profit and loss appropriation account</p> <p>(c) Profit and loss account</p> <p>(d) Balance sheet</p>  | 1 | Knowledge             |
| 9. | <p>Which of the following is the example of the revenue reserve?</p> <p>(a) Profit on redemption of debentures</p> <p>(b) Profit on revaluation of fixed</p>  | 1 | Knowledge & Reasoning |



|            |  |          |                        |        |   |                             |
|------------|--|----------|------------------------|--------|---|-----------------------------|
|            | Sales  | 1,60,000 | Carriage inwards       | 1,640  |   |                             |
|            | Wages  | 16,160   | Carriage outwards      | 3,200  |   |                             |
|            | Salaries   | 6,400    | Furniture              | 12,000 |   |                             |
|            | Repairs  | 500      | Motor car              | 80,000 |   |                             |
|            | Commission (Cr.)   | 800      | Cash in hand           | 4,700  |   |                             |
|            | Debtors  | 24,200   | Bank overdraft         | 25,400 |   |                             |
|            | Creditors  | 7,300    | Investments            | 20,000 |   |                             |
|            | Capital  | 90,000   | Interest on investment | 2,400  |   |                             |
|            | Drawings   | 4,400    |                        |        |   |                             |
| <b>16.</b> | Differentiate between Provision and Reserve on the basis of (i) object; (ii) mode of creation; (iii) utilization of dividend; (iv) presentation in balance sheet; (v) investment outside the business; (vi) charge or appropriation.   |          |                        |        | 6 | Application and computation |
| <b>17.</b> | On 1 <sup>st</sup> January, 2015 the Jaipur Transport Company purchased a Truck for Rs.4,00,000. On 1 <sup>st</sup> July, 2016 this truck was involved in an accident and was completely destroyed and Rs.3,00,000 were received from the insurance company in full settlement. On the same date another truck was purchased by the Co. for Rs.5,00,000. The company writes off 20% depreciation p.a. on written down value method and the accounts are closed on 31 <sup>st</sup> March every year. Give the truck account for 3 years. |          |                        |        | 6 | Application and computation |



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

**Subject: Business Studies**

**Assignment No. : 5**

**Allotment Date: 31 October 2024**

| S. NO. | QUESTIONS   | MARKS | NATURE        |
|--------|---|-------|---------------|
| 1      | Equity shareholders are called:<br><br>a. Owners of the company<br><br>b. Partners of the company<br><br>c. Executives of the company<br><br>d. Guardian of the company                                 | 1     | Knowledge     |
| 2      | The redeemable is used for:<br><br>a. Preference shares<br><br>b. Commercial paper<br><br>c. Equity shares<br><br>d. Public deposits  | 1     | Knowledge     |
| 3      | Funds required for purchasing current assets is an example of :<br><br>a. Fixed capital requirement<br><br>b. Ploughing back of profits<br><br>c. Working capital requirement<br><br>d. Lease financing | 1     | Knowledge     |
| 4      | ADR is used in<br><br>a. Canada<br><br>b. China<br><br>c. India<br><br>d. USA   | 1     | Understanding |
| 5      | Debentures represent:   | 1     | Understanding |

|    |  |   |               |
|----|--|---|---------------|
|    | <ul style="list-style-type: none"> <li>a. Fixed capital of the company</li> <li>b. Permanent capital of the company</li> <li>c. Fluctuating capital of the company</li> <li>d. Loan capital of the company</li> </ul>  |   |               |
| 6  | <p>It is commonly used as a source of short term financing for periods ranging from 15 days to 90 days.</p> <ul style="list-style-type: none"> <li>a. Trade credit</li> <li>b. ICD</li> <li>c. ADR</li> <li>d. None of the above</li> </ul>  | 1 | Understanding |
| 7  | <p>Which source of finance is free from bureaucratic and legal hassles:</p> <ul style="list-style-type: none"> <li>a. GDR</li> <li>b. ADR</li> <li>c. ICD</li> <li>d. Trade credit</li> </ul>  | 1 | Knowledge     |
| 8  | <p>The smallest unit of company's capital is known as:</p> <ul style="list-style-type: none"> <li>a. Debenture</li> <li>b. Share</li> <li>c. Dividend</li> <li>d. None of the above</li> </ul>   | 1 | Understanding |
| 9  | <p>The return earned by Equity Shareholders is known as....., which varies with the earning of the company.</p> <ul style="list-style-type: none"> <li>a. Profit</li> <li>b. Dividend</li> <li>c. Interest</li> <li>d. None of the above</li> </ul>  | 1 | Knowledge     |
| 10 | <p>The central and state government have established various financial institutions in the country to provide finance to business organizations. These institutions are known as .....</p> <ul style="list-style-type: none"> <li>a. Commercial Bank</li> <li>b. Development Bank</li> </ul> | 1 | Knowledge     |

|    |   |   |   |
|----|---|---|---|
|    | <p>c. Cooperative Bank</p> <p>d. None of the above</p>  |   |   |
| 11 | What preferential rights are enjoyed by the preferential shareholders? Explain.   | 3 | Understanding and remembering                     |
| 12 | Name any three special financial institution and state their objectives.  | 3 | knowledge<br>And understanding                    |
| 13 | <p>Rahul had aspired to start a Thai Food restaurant from his childhood. On completing his education he shared his childhood dream with his father. Therefore, the father - son duo decided to approach a nearby bank for obtaining a loan. His father's foremost concern was to raise finance for the business as his savings would be insufficient for starting a business.</p> <p>In the context of the above case:</p> <p>i. Define the term business finance.</p> <p>ii. The two type of funds on the basis of ownership are being discussed above. Identify and differentiate between them by giving any three suitable points.</p>   | 4 | Understanding                                     |
| 14 | <p>Gurpreet is planning to start a diagnostic centre in Ambala. He visits his uncle Mr. Amar Nath in Patiyala, who is successfully running a diagnostic centre for many years, to seek his guidance. Mr. Amarnath tells Gurpreet that the capital needs of his business can be divided in to two categories. Firstly, he will need funds to buy land and buildings, machinery and furniture and fixtures. Secondly, funds will be required to meet day to day operations such as maintaining stocks, bills receivables and for meeting current expenses like salaries, wages, taxes and rent.</p> <p>In the context of the above case:</p> <p>A. Identify and explain the two types of capital being described above by quoting lines form the paragraph.</p> | 4 | Understanding and remembering                     |
| 15 | What advantages does issue of debentures provide over the issue of equity shares?   | 4 | Remembering and understanding                     |
| 16 | Aayuhi is successfully running a bakery shop in her residential colony for the past many years. She has wisely invested funds in different areas in order to ensure smooth running of her business. She owns the manufacturing unit, whereas the shop through which she operates in on rent. Recently, she took a loan from the bank to install air conditioners and create provision for sitting for the customers by extending the shop area. Although she buys majority of the ingredients like flour, sugar, oil on 15 days credit from the local suppliers but sales are made only in cash.  | 6 | Remembering ,<br>application and<br>understanding |

|    |  |   |             |
|----|--|---|-------------|
|    | In the context of the above case:<br><br>i. Identify and explain the various external sources of finance that Ayushi has employed in her business. |   |             |
| 17 | State merits and demerits of Public Deposits and Retained Earning as methods of business finance.  | 6 | Remembering |



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

**Subject: Economics**

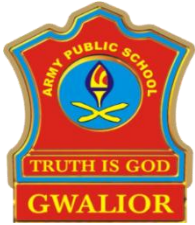
**Assignment No. : 5**

**Allotment Date: 31 October 2024**

| S. NO. | QUESTIONS   | MARKS | NATURE                                |
|--------|---|-------|---------------------------------------|
| 1      | Principal characteristics of resources are:<br><br>(a) they are scarce in relation to our needs<br><br>(b) they have alternative uses<br><br>(c) unlimited wants<br><br>(d) none of these   | 1     | Information                           |
| 2      | In which of the following situations, does scarcity arise? (a)<br>Supply of resources > Demand for resources<br><br>(b) Supply of resources < Demand for resources<br><br>(c) Supply of resources = Demand for resources<br><br>(d) None of these | 1     | Understanding                         |
| 3      | What is meant by an economy?  | 1     | HOT                                   |
| 4      | Why does the problem of choice arise?   | 1     | Interdisciplinary                     |
| 5      | Study of economy as a whole is called ____ economics.   | 1     | Analytical Skill                      |
| 6      | In centrally planned economy, economic decisions are driven by the motive of profit maximisation. State True/False  | 1     | Critical Thinking and Problem Solving |
| 7      | Diagrammatic presentation of consumer's indifference set is called:<br><br>(a) indifference curve<br><br>(b) utility curve<br><br>(c) budget line<br><br>(d) transformation curve   | 1     | Evaluation                            |
| 8      | Two indifference curves can cut each other. State True/False  | 1     | Evaluation Skill                      |
| 9      | The rate at which the consumer can substitute one commodity for the other, without changing the level of satisfaction, is known as _____.   | 1     | Analytical Skill                      |



|           |   |   |                                       |
|-----------|---|---|---------------------------------------|
| <b>10</b> | Attainable combinations of X and Y are drawn on the assumption that $P_x$ and $P_y$ are:<br><br>(a) constant<br><br>(b) variable<br><br>(c) change in the same ratio<br><br>(d) equal to each other | 1 | Interdisciplinary                     |
| <b>11</b> | If IC is not convex at the point of equilibrium, the consumer cannot reach the point of stable equilibrium. Comment.  | 3 | Communication Skills                  |
| <b>12</b> | 'Make in India' campaign would shift the PPC to the right. How? Use diagram.  | 3 | Critical Thinking and Problem solving |
| <b>13</b> | In a situation when $P_x$ and $P_y$ are constant, and $MRS_{xy} > P_x/P_y$ , the consumer will get greater satisfaction than when $MRS_{xy} = P_x/P_y$ . Is it True?                                | 4 | Interdisciplinary                     |
| <b>14</b> | 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 | Understanding/Analyse                 |
| <b>15</b> | What is the likely impact of 'Sarv Shiksha Abhiyan' and 'Skill India Campaign' on PPC of the Indian economy. Use diagram.   | 4 | HOT                                   |
| <b>16</b> | Show diagrammatically consumer's equilibrium using indifference curve analysis. Also analyse the conditions of consumer's equilibrium.  | 6 | Critical Thinking and Problem solving |
| <b>17</b> | How are central problems solved in different economies?   | 6 | Evaluation                            |



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

**Subject: History**

**Assignment No. : 5**

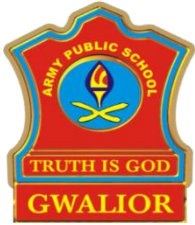
**Allotment Date: 31 October 2024**

| S. NO. | QUESTIONS   | MARKS     | NATURE      |
|--------|---|-----------|-------------|
| 1      | <p>Part- A</p> <p><i>Answer the following objective type questions:</i></p> <p>(i). There was a growing uncertainty about the value and purpose of monasticism by the(a) thirteenth century.<br/>(b) fourteenth century.<br/>(c) fifteenth century.<br/>(d) sixteenth century</p> <p>(ii). A guild was an association of(a) monks.<br/>(b) farmers.<br/>(c) craft and industry.<br/>(d) lords</p> <p>(iii). The king who was declared the 'Holy Roman Emperor' was(a)<br/>Charlemagne<br/>(b) Louis I<br/>(c) Louis II<br/>(d) Louis</p> <p>(iv). One of the gradual changes that affected the social and economic ties between the lords and the vassals was<br/>(a) agricultural technology.<br/>(b) environment.<br/>(c) land use.<br/>(d) new towns</p> <p>(v). The famous book Feudal Society, which dealt with the French</p> | (10x1=10) | Information |

|          |   |          |            |
|----------|---|----------|------------|
|          | <p>society, was written by:</p> <p>(a) James Cunnigham<br/> (b) Alexander Cunnigham<br/> (c) James Bloch<br/> (d) Marc Bloch</p> <p>(vi). Europe witnessed change in land use “switch from a two-field to a three-field system” during the</p> <p>(a) 10th century.<br/> (b) 11th century.<br/> (c) 12th century.<br/> (d) 13th century</p> <p>(vii). Fertile land was known as _____.</p> <p>(a) Franks<br/> (b) Gaul<br/> (c) Manor<br/> (d) Fief</p> <p>(viii). Change in land use pattern was seen with form of</p> <p>(a) Two field system<br/> (b) Three field system.<br/> (c) Jhoom system<br/> (d) Transhumance system</p> <p>(ix). Free peasants were</p> <p>(a) peasant-cum-soldier<br/> (b) tenants of the Lord.<br/> (c) payer of labour-rent in Begar<br/> (d) denied of political rights</p> <p>(x). Construction of Cathedral town attributed to</p> <p>(a) Higher yield in agricultural production<br/> (b) Promotion of trade and industry<br/> (c) Business promotion drive under the shade of religion<br/> (d) The contribution and subscription by craftsmen, artisans, merchants and common people</p> |          |            |
| <b>2</b> | Part- B   | <b>3</b> | Evaluation |

|          |   |                  |                               |
|----------|---|------------------|-------------------------------|
|          | <p><i>Answer the following questions in short:</i></p> <p>Discuss the impact of environment on European agriculture.</p>  |                  |                               |
| <b>3</b> | <p>Knights became a distinct group under medieval European society. Why?</p>  | <b>3</b>         | HOT                           |
| <b>4</b> | <p>How was European society divided under the feudal system? Explain. Write in brief the reasons of their development.</p>  | <b>3</b>         | Evaluation                    |
| <b>5</b> | <p>Agricultural technology was very primitive. Why?</p>   | <b>3</b>         | HOT                           |
| <b>6</b> | <p>Part- C</p> <p><i>Long questions answers:</i></p> <p>How did technological changes affect agriculture during 11th century?</p> <p>Or</p> <p>Discuss in detail about the emergence of cathedrals.</p>   | <b>8</b>         | HOT and Evaluation            |
| <b>7</b> | <p>Part-D (Sources Based Questions)</p> <p>Read the following passages and answer the questions that follow:</p> <p>We also caused to be painted, by the exquisite hands of many masters from different regions, a splendid variety of new windows... Because these windows are very valuable on account of their wonderful execution and the profuse expenditure of painted glass and sapphire glass, we appointed an official master craftsman for their protection, and also a goldsmith—who would receive their allowances, namely, coins from the altar and flour from the common storehouse of the brethren, and who would never neglect their duty to look after these</p> <p>Questions:</p> <ol style="list-style-type: none"> <li>1. Who was appointed for the protection of windows?</li> <li>2. Windows were precious. How?</li> <li>3. Who would receive their allowances, namely coins?</li> </ol> | <b>(1+2+2=5)</b> | Application and understanding |
| <b>8</b> | <p>PART-E</p> <p><b>(Map Question)</b></p> <p>On the map of Western Europe mark and locate the following extent of feudalism:</p> <ol style="list-style-type: none"> <li>(i) St. Denis</li> <li>(ii) Bingen</li> </ol>  | <b>(5x1=5)</b>   | Identification                |

|  |   |  |  |
|--|---|--|--|
|  | (iii) London<br>(iv) Rome<br>(v) Vienna |  |  |
|--|---|--|--|



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

**Subject: Political Science**  
**Allotment Date: 31 October 2024**

**Assignment No. : 5**

| S. NO. | QUESTIONS  | MARKS     | NATURE      |
|--------|--|-----------|-------------|
| 1      | <p>Objective Type Questions:</p> <p>(i) Who defined the functions and responsibilities of the Supreme Court?</p> <p>(a) Law of the land<br/>(b) Supreme court<br/>(c) Supreme court tribunal<br/>(d) Constitution</p> <p>(ii) By convention who is appointed as the chief justice of India?</p> <p>(a) Senior-most judge of the High Court<br/>(b) Junior-most judge of the Supreme Court<br/>(c) Senior-most judge of the Supreme Court<br/>(d) Senior Member of Law Commission</p> <p>(iii) The salaries and allowances of the judges' are determined by</p> <p>(a) Parliament<br/>(b) Executive<br/>(c) Judiciary<br/>(d) President</p> <p>(iv) In Golaknath vs the State of Punjab case, the Supreme Court was led by Chief Justice</p> <p>(a) K. Suba Rao<br/>(b) R. S. Pathak<br/>(c) J. S. Verma<br/>(d) R. C. Lahoti</p> <p>(v) From which country we borrowed the power of Judicial Review.</p> <p>(vi) What is PIL?</p> <p>(vii) Whom does Supreme Court advise?</p> <p>(a) Cabinet<br/>(b) Prime Minister</p> | (10x1=10) | Information |

|          |   |                  |                                  |
|----------|---|------------------|----------------------------------|
|          | <p>(c) President</p> <p>(d)Parliament</p> <p>(viii) When a person can move directly to the Supreme Court?</p> <p>(ix) The tenure of the members of the Rajya Sabha is:</p> <p>(a) 5 years</p> <p>(b) 4 years</p> <p>(c) 6 years</p> <p>(d) 3 years</p> <p>(x) Which is the apex Court in India?</p>   |                  |                                  |
| <b>2</b> | What are the advisory powers to the Supreme Court?  | <b>2</b>         | Understanding                    |
| <b>3</b> | How are the judges of Supreme Court appointed?  | <b>4</b>         | HOT                              |
| <b>4</b> | Does independence of the Judiciary mean that the Judiciary is not accountable to anyone? Give arguments.  | <b>4</b>         | Critical and Analytical thinking |
| <b>5</b> | In what way can public interest litigation help the poor?   | <b>4</b>         | Evaluation                       |
| <b>6</b> | <p>Read the extract carefully and answer the questions that follow:</p> <p>Besides, as we saw in the section on jurisdiction of the Supreme Court, in the case of federal relations too, the Supreme Court can use the review powers if a law is inconsistent with the distribution of powers laid down by the Constitution. Suppose, the central government makes a law, which according to some States, concerns a subject from the State list. Then the States can go to the Supreme Court and if the court agrees with them, it would declare that the law is unconstitutional. In this sense, the review power of the Supreme Court includes power to review legislations on the ground that they violate fundamental rights or on the ground that they violate the federal distribution of powers. The review power extends to the laws passed by State legislatures also.</p> <p>Questions:</p> <ol style="list-style-type: none"> <li>1. What is judicial review by the Supreme Court?</li> <li>2. What does judicial review consist of?</li> <li>3. How does judicial review extend in the federal distribution of power?</li> </ol> | <b>(1+2+2=5)</b> | Analytical                       |
| <b>7</b> | Study the cartoon carefully and answer the questions that follow:   | <b>(2+2+1=5)</b> | Analytical                       |



**Questions:**

- a) What is the cartoon about?
- b) What message is being conveyed through the cartoon?
- c) What are the instruments of Judicial Activism?

8

How is judicial activism related to the protection of Fundamental Rights? Has it helped in expanding the scope of Fundamental Rights?

Or

Explain the composition and jurisdiction of the subordinate courts at the district level in India.

6

Evaluation and  
HOT





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

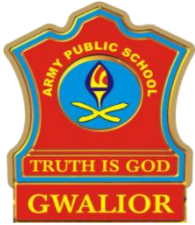
**Subject: Physical Education**

**Assignment No. : 5**

**Allotment Date: 31 October 2024**

| S. No.         | QUESTIONS   | MARKS         | NATURE        |
|----------------|---|---------------|---------------|
| <b>Part- A</b> | <b>Answer the following questions:</b>  | <b>4X2=8</b>  |               |
| 1.             | What is the basic structural and functional unit of the human body?<br>a) Organ<br>b) Tissue<br>c) Cell<br>d) System  | 2             | Understanding |
| 2.             | Which system in the human body is responsible for transporting oxygen and nutrients to the tissues?<br>a) Respiratory system<br>b) Circulatory system<br>c) Digestive system<br>d) Nervous system | 2             | Understanding |
| 3.             | Which type of muscle is involuntary and found in the walls of internal organs like the stomach?<br>a) Skeletal muscle<br>b) Smooth muscle<br>c) Cardiac muscle<br>d) Striated muscle              | 2             | Knowledge     |
| 4.             | What is the primary function of red blood cells in the body?<br>a) Fight infections<br>b) Clot blood<br>c) Carry oxygen<br>d) Regulate body temperature   | 2             | Knowledge     |
| <b>Part- B</b> | <b>Answer the following questions in 60 to 90 words:</b>  | <b>4X3=12</b> |               |
| 1.             | What is the difference between voluntary and involuntary muscles? Give examples.  | 3             | Understanding |
| 2.             | Explain the role of the circulatory system in maintaining homeostasis during physical activity.   | 3             | Application   |
| 3.             | Describe the process of gas exchange in the lungs.  | 3             | Understanding |
| 4.             | How do tendons and ligaments differ in their structure and function in the human body?  | 3             | Understanding |
| <b>Part- C</b> | <b>Answer the following questions in 150 to 180 words</b>   | <b>4X5=20</b> |               |
| 1.             | Explain the structure and function of the respiratory system and its importance in sports performance.  | 5             | Understanding |
| 2.             | Describe the role of the muscular system in   | 5             | Understanding |

|    |   |   |            |
|----|---|---|------------|
|    | movement. Explain the different types of muscles and their functions in sports activities.  |   |            |
| 3. | Discuss the structure of the human heart and the pathway of blood circulation. How does the circulatory system respond to exercise?                                 | 5 | Knowledge  |
| 4. | What is the skeletal system, and how does it provide support and protection for the body? Explain the different types of joints and their role in sports movements. | 5 | Analytical |



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



**Subject: Psychology**

**Assignment No. : 5**

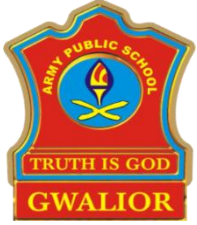
**Allotment Date: 31 October 2024**

| S. NO. | QUESTIONS  | MARKS | NATURE      |
|--------|--|-------|-------------|
| 1      | <p><b>Assertion (A):</b> Learning is primarily influenced by environmental factors.</p> <p><b>Reason (R):</b> Environmental influences shape behaviour and cognitive processes.</p> <p><b>Answer Choices</b></p> <ul style="list-style-type: none"><li>• A is true, R is true, and R is a correct explanation of A.</li><li>• A is true, R is true, but R is not a correct explanation of A.</li><li>• A is true, R is false.</li><li>• A is false, R is true.</li><li>• Both A and R are false.</li><li>•</li></ul> | 1     | Information |
| 2      | <p><b>Assertion:</b> Classical conditioning is a method of learning through association.</p> <p><b>Reason:</b> It was first studied by B.F. Skinner.</p>   | 1     | Information |
| 3      | <p><b>Assertion:</b> Motivation plays a crucial role in the learning process.</p> <p><b>Reason:</b> Students who are more motivated tend to achieve higher academic success.</p>   | 1     | Knowledge   |
| 4      | <p><b>Assertion (A):</b> Cognitive development occurs in distinct stages according to Piaget.</p> <p><b>Reason (R):</b> Each stage represents a qualitative change in thinking patterns.</p> <p><b>Answer Choices</b></p> <ul style="list-style-type: none"><li>• A is true, R is true, and R is a correct explanation of A.</li><li>• A is true, R is true, but R is not a correct explanation of A.</li><li>• A is true, R is false.</li><li>• A is false, R is true.</li></ul>                                    | 1     | Knowledge   |

|   |  |   |               |
|---|--|---|---------------|
|   | <ul style="list-style-type: none"> <li>Both A and R are false.</li> </ul>  |   |               |
| 5 | <b>Which of the following best describes classical conditioning?</b><br>(a) Learning through reinforcement<br>(b) Learning through observation<br>(c) Learning through association<br>(d) Learning through insight | 1 | Information   |
| 6 | <b>Who is associated with the theory of operant conditioning?</b><br>(a) Sigmund Freud<br>(b) B.F. Skinner<br>(c) Jean Piaget<br>(d) Albert Bandura  | 1 | Understanding |
| 7 | <b>What is the main focus of cognitive psychology?</b><br>(a) Observable behavior<br>(b) Unconscious processes<br>(c) Mental processes<br>(d) Social interactions  | 1 | Understanding |

|     |  |   |             |
|-----|--|---|-------------|
| 8.  | <b>According to Maslow's hierarchy of needs, which of the following is the most basic level of needs?</b><br>(a) Esteem needs<br>(b) Safety needs<br>(c) Love and belongingness<br>(d) Physiological needs                   | 1 | Information |
| 9   | <b>Which learning theory emphasizes the role of modeling in learning?</b><br>(a) Behaviorism<br>(b) Constructivism<br>(c) Social learning theory<br>(d) Cognitivist  | 1 | Knowledge   |
| 10. | <b>What is intrinsic motivation?</b><br>(a) Motivation driven by external rewards<br>(b) Motivation driven by personal satisfaction<br>(c) Motivation driven by social pressures<br>(d) Motivation driven by fear of failure | 1 | Information |

|    |  |   |                   |
|----|--|---|-------------------|
| 11 | What is classical conditioning?  | 2 | Understanding     |
| 12 | Who developed the theory of multiple intelligences?  | 2 | Understanding     |
| 13 | What is the main premise of operant conditioning?  | 2 | Information       |
| 14 | What role does motivation play in the learning process?  | 2 | Information       |
| 15 | What is the significance of Piaget's theory of cognitive development?  | 3 | Critical thinking |
| 16 | What is the difference between intrinsic and extrinsic motivation?   | 3 | Critical thinking |
| 17 | What is the difference between intrinsic and extrinsic motivation?   | 3 | Information       |
| 18 | What study techniques can enhance memory retention for exams?  | 3 | Understanding     |
| 19 | What study techniques can enhance memory retention for exams?  | 6 | Critical thinking |
| 20 | <p>Operant conditioning involves reinforcement and punishment.</p> <p><b>Reason (R):</b> Ivan Pavlov conducted experiments that demonstrated this type of learning.</p> <p><b>Answer Choices</b></p> <ul style="list-style-type: none"> <li>• A is true, R is true, and R is a correct explanation of A.</li> <li>• A is true, R is true, but R is not a correct explanation of A.</li> <li>• A is true, R is false.</li> <li>• A is false, R is true.</li> <li>• Both A and R are false.</li> </ul>                             | 2 | Critical thinking |
| 21 | <p><b>Assertion (A):</b> Self-efficacy affects how individuals approach goals.</p> <p><b>Reason (R):</b> People with high self-efficacy are more likely to persevere in the face of challenges.</p> <p><b>Answer Choices</b></p> <ul style="list-style-type: none"> <li>• A is true, R is true, and R is a correct explanation of A.</li> <li>• A is true, R is true, but R is not a correct explanation of A.</li> <li>• A is true, R is false.</li> <li>• A is false, R is true.</li> <li>• Both A and R are false.</li> </ul> | 2 | Critical thinking |



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

**Subject: Painting**

**Assignment No. : 5**

**Allotment Date: 31 October 2024**

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

|            |   |          |
|------------|---|----------|
|            | (c) Circa 8th Century A.D.<br>(d) Circa 9th Century A.D.  |          |
| <b>6.</b>  | Where is 'Descent of Ganga' located?<br>(a) Tamil Nadu<br>(b) Maharashtra<br>(c) Uttar Pradesh<br>(d) Madhya Pradesh  | <b>1</b> |
| <b>7.</b>  | Who made 'Descent of Ganga'?<br>(a) Cholas<br>(b) Mouryas<br>(c) Pallavas<br>(d) Both (a) and (b)   | <b>1</b> |
| <b>8.</b>  | 'Ravana Shaking Mount Kailash' was made by?<br>(a) Chollas<br>(b) Pallavas<br>(c) Rajputanas<br>(d) Rashtrakutas  | <b>1</b> |
| <b>9.</b>  | In Ravana shaking mount kailash sculpture what was done by Ravana?<br>(a) Lifting of Mount Everest<br>(b) Lifting of Rock<br>(c) Lifting of Mt. Kailash the abod of Lord Shiva<br>(d) Lifting of Temple of Lord Shiva | <b>1</b> |
| <b>10.</b> | Where is the location of 'Ravana Shaking Mount Kailash' sculpture?<br>(a) Maharashtra<br>(b) Madhya Pradesh<br>(c) West Bengal<br>(d) Andhra Pradesh  | <b>1</b> |
| <b>11.</b> | The newest term in use nowadays for art and craft is<br>(a) Fine arts<br>(b) Performing arts  | <b>1</b> |

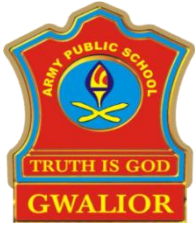
|            |  |          |
|------------|--|----------|
|            | <p>(c) Visual art</p> <p>(d) Aesthetics</p>  |          |
| <b>12.</b> | <p>The space that lies between the work of art and the beholder is called</p> <p>(a) Aesthetic distance</p> <p>(b) Safe distance</p> <p>(c) Positive space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



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

|            |   |          |
|------------|---|----------|
|            | (d) Gupta   |          |
| <b>23.</b> | <p>The first representation of the Buddha in human form is attributed to which school in art history</p> <p>(a) Gandhara and Mathura</p> <p>(b) Gupta art</p> <p>(c) Mauryan dynasty</p> <p>(d) Sunga period</p>                                    | <b>1</b> |
| <b>24.</b> | <p>For which of the following reasons is the didarganj yakshi called as the “ Indian monalisa”</p> <p>(a) The enigmatic half smile on her lips</p> <p>(b) Mirror like polish</p> <p>(c) Elaborate jewellery</p> <p>(d) Elegantly draped clothes</p> | <b>1</b> |
| <b>25.</b> | <p>In which cave is the painting of padampani bodhisatva found?</p> <p>(a) Cave no.1</p> <p>(b) Cave no.10</p> <p>(c) Cave no.17</p> <p>(d) Cave no.26</p>  | <b>1</b> |
| <b>26.</b> | <p>Which of the following is not included in the subject matter of Ajanta painting?</p> <p>(a) Jataka tales</p> <p>(b) Natural scenes</p> <p>(c) Bodhisattvas</p> <p>(d) Trimurti</p>   | <b>1</b> |
| <b>27.</b> | <p>Under which Indian dynasty was “the descent of ganges” made</p> <p>(a) Chandelas</p> <p>(b) Pallavas</p> <p>(c) Cholas</p> <p>(d) Rashtrakutas</p>   | <b>1</b> |
| <b>28.</b> | <p>What is the location of the sculpture of “ravana shaking mount kailash” ?</p> <p>(a) Kailashnath temple (cave no.16) at Ellora</p>   | <b>1</b> |

|            |   |          |
|------------|---|----------|
|            | (b) Elephant near bombay,Maharashtra<br>(c) Konark in orrisa<br>(d) Vimala vasahi temple  |          |
| <b>29.</b> | What do the four hand of shiva natraj symbolize?<br><br>(a) Four vices<br>(b) Four companions<br>(c) Four cardinal directions<br>(d) None of these                  | <b>1</b> |
| <b>30.</b> | The term 'cire perdue' is used for which of the following<br><br>(A) Shive's angular posture<br>(B) Bronze casting<br>(C) Terracotta technique<br>(D) None of these | <b>1</b> |



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

**Subject: Computer Science**  
**Allotment Date: 31 October 2024**

**Assignment No. : 5**

**General Instructions:**

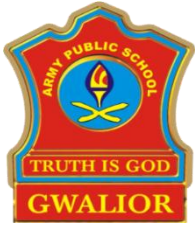
1. Please check this question paper contains 21 questions.
2. The paper is divided into 5 Sections- A, B, C, D and E.
3. Section A, consists of 11 questions (1 to 11). Each question carries 1 Mark.
4. Section B, consists of 4 questions (12 to 15). Each question carries 2 Marks.
5. Section C, consists 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 |
|-------|---|-------|
|       | <b>Section-A (11 Marks)</b>   |       |
| 1     | List can contain values of these types:<br><br>a) integers<br><br>b) floats<br><br>c) lists<br><br>d) all of these                        | 1     |
| 2     | Which of the following will create an empty list?<br><br>a) L = [ ]<br><br>b) L = list(0)<br><br>c) L = list( )<br><br>d) L = List(empty) | 1     |
| 3     | Which of the following will return the last element of a list L with 5 elements?<br><br>a) L[5]   | 1     |

|   |   |   |
|---|---|---|
|   | <p>b) L[4]</p> <p>c) L[-1]</p> <p>d) L[6]</p>   |   |
| 4 | <p>If L = [1, 2] then L * 2 will yield</p> <p>a) [1, 2] * 2</p> <p>b) [1, 2, 2]</p> <p>c) [1, 1, 2, 2]</p> <p>d) [1, 2, 1, 2]</p>   | 1 |
| 5 | <p>If L1 = [1, 3, 5] and L2 = [2, 4, 6] then L1 + L2 will yield</p> <p>a) [1, 2, 3, 4, 5, 6]</p> <p>b) [1, 3, 5, 2, 4, 6]</p> <p>c) [3, 7, 11]</p> <p>d) [1, 3, 5, [2, 4, 6]]</p>     | 1 |
| 6 | <p>Given a list L= [10, 20, 30, 40, 50, 60, 70], what would L[1 : 4] return?</p> <p>a) [10, 20, 30, 40]</p> <p>b) [20, 30, 40, 50]</p> <p>c) [20, 30, 40]</p> <p>d) [30, 40, 50]</p>  | 1 |
| 7 | <p>Given a list L= [10, 20, 30, 40, 50, 60, 70], what would L[2 : -2] return?</p> <p>a) [10, 20, 30, 40]</p> <p>b) [20, 30, 40, 50]</p> <p>c) [20, 30, 40]</p> <p>d) [30, 40, 50]</p> | 1 |
| 8 | <p>Given a list L= [10, 20, 30, 40, 50, 60, 70], what would L[-4 : -1] return?</p> <p>a) [20, 30, 40]</p> <p>b) [30, 40, 50]</p> <p>c) [40, 50, 60]</p> <p>d) [50, 60, 70]</p>        | 1 |
| 9 | <p>Given a list L= [10, 20, 30, 40, 50, 60, 70], what would L[-3 : 99] return?</p> <p>a) [20, 30, 40]</p>   | 1 |

|              |  |              |
|--------------|--|--------------|
|              | <p>b) [30, 40, 50]</p> <p>c) [40, 50, 60]</p> <p>d) [50, 60, 70]</p>   |              |
|              | <p>Q10 and 11 are ASSERTION AND REASONING based questions.</p> <p>Mark the correct choice as</p> <p>(a) Both A and R are true and R is the correct explanation for A</p> <p>(b) Both A and R are true and R is not the correct explanation for A</p> <p>(c) A is True but R is False</p> <p>(d) A is false but R is True</p>     |              |
| 10           | <p><b>Assertion.</b> The documentation for a Python module should be written in triple-quoted strings.</p> <p><b>Reason.</b> The docstrings are triple-quoted strings in Python that are displayed as documentation when help &lt;module&gt; command is issued.</p>  | 1            |
| 11           | <p><b>Assertion.</b> After importing a module through import statement, all its function definitions, variables, constants etc. are made available in the program.</p> <p><b>Reason.</b> Imported module's definitions do not become part of the program's namespace if imported through an import &lt;module&gt; statement.</p> | 1            |
| <b>Q No.</b> | <b>Questions</b>   | <b>Marks</b> |
|              | <b>Section-B (8 Marks)</b>   |              |
| 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            |
| <b>Q No.</b> | <b>Questions</b>   | <b>Marks</b> |
|              | <b>Section-C (12 Marks)</b>  |              |
| 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            |

| <b>S No.</b> | <b>Questions</b>  | <b>Marks</b> |
|--------------|---|--------------|
|              | <b>Section-D (4 Marks)</b>  |              |
| 20           | Compare lists with strings. How are they similar and how are they different?          | 4            |
| <b>S No.</b> | <b>Questions</b>  | <b>Marks</b> |
|              | <b>Section-E (5 Marks)</b>  |              |
| 21           | What do you understand by true copy of a list? How is it different from shallow copy? | 5            |



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

**Subject: NCC**

**Assignment No. : 5**

**Allotment Date: 31 October 2024**

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



|    |  |   |                   |
|----|--|---|-------------------|
|    | <p>b) Atal Bihari Vajpayee</p> <p>c) Manmohan Singh</p> <p>d) Narendra Modi</p>  |   |                   |
| 6  | <p>Communication helps officials to _____ the employees.</p> <p>a) Eliminate</p> <p>b) Motivate</p> <p>c) Threaten</p> <p>d) Apprise</p>   | 1 | Knowledge         |
| 7  | <p>The general categories of communications are -</p> <p>a) Speech, writing</p> <p>b) Printing</p> <p>c) Electronic communication</p> <p>d) All of the above</p>   | 1 | Critical Thinking |
| 8  | <p>Common kinds of narrative skills are -</p> <p>a) How to do something</p> <p>b) How something works</p> <p>c) Both a &amp; b</p> <p>d) Arrange the information properly</p>  | 1 | Critical Thinking |
| 9  | <p>The most crucial part of the _____ process is thinking of converting to _____ what one hears.</p> <p>a) reading; understanding</p> <p>b) speaking; meaning</p> <p>c) hearing; interpreting</p> <p>d) listening; meaning</p> | 1 | Critical Thinking |
| 10 | <p>International day of Natural Disaster Reduction is celebrated on?</p> <p>a) June 15</p> <p>b) March 5</p> <p>c) October 13</p> <p>d) September 13</p>   | 1 | Information       |
| 11 | <p>What is the full form of SWOT?</p>  | 2 | Knowledge         |

|           |  |   |                     |
|-----------|--|---|---------------------|
|           |  |   |                     |
| <b>12</b> | What do you understand by communication?                             | 2 | Critical Thinking   |
| <b>13</b> | Explain any two dimensions of a person's personality.                | 3 | Analytical Thinking |
| <b>14</b> | Write three differences between landslide and earthquake.            | 3 | Analyzing           |
| <b>15</b> | What are the responsibilities of national executive committee (NEC)? | 4 | Information         |
| <b>16</b> | Write about any five major effects of natural calamities.            | 4 | Critical Thinking   |
| <b>17</b> | Explain the responsibilities of NDMA? Write five points. 6           | 6 | Information         |
| <b>18</b> | What factors must determine the choice of leadership style?          | 6 | Critical Thinking   |



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

**Subject: Health and Physical Education**  
**Allotment Date: 31 October 2024**

**Assignment No. : 5**

| S. No. | QUESTIONS   | NATURE         | MARKS |
|--------|---|----------------|-------|
| 1      | MCQ<br>A) The player on a football team that throws the football.<br>i) quarterback<br>ii) center<br>iii) receiver<br>iv) running back    | Understanding) | 4×1=4 |
|        | B) What is the imaginary line that the ball is placed on?<br>i) Yard Line<br>ii) Ball Line<br>iii) Line of Scrimmage<br>iv) Line of field | Informatory    |       |
|        | C which of the following is not a football skill?<br><a href="#">Dribbling</a> Skills<br>Shooting<br>Tackling<br>rebounding               | Analytical     |       |
|        | D. Who was the first player to hit banana free kick?<br>i) Roberto Carlos<br>ii) Diego Maradona<br>iii) Pele<br>iv) Lionel Messi          | Informaton     |       |

|    |  |               |       |
|----|--|---------------|-------|
| 2. | B) Fill In The Blanks :-<br><br>i. The ----- can be attempted only if you can perform the Inside and Outside simultaneously  | Informatory   | 3×1=3 |
|    | ii. _____ is the first and only Indian to score hatrick in Olympic Football match.   | Informatory   |       |
|    | ii. Scissor kick, also known as overhead or _____  | Understanding |       |
|    | 3.True/False<br><br>i. Rabona Kick is a soccer skill in which the footballer kicks the ball when the ball is in midair<br><br>a. True<br><br>b. False                                | Understanding | 3×1=3 |
|    | ii Knuckleball is when you kick the ball, and the ball does not spin when it is in the air<br><br>a. True<br><br>b. False  | Understanding |       |
|    | iii. When your opponent is dribbling with the ball and you want to bypass him/her to get possession, the best technique is to use <b>Rainbow Kick</b><br><br>a. True<br><br>b. False | Understanding |       |