

### ARMY PUBLIC SCHOOL GWALIOR CLASS -IX



# ACADEMIC SESSION 2022-23 WORKSHEET (SELF –ASSESSMENT)

Subject: English Assignment No.9

| S. NO. |      | QUESTIONS  | MARKS | NATURE        |
|--------|------|--|-------|---------------|
| Q.1    |      | READING  | 5 M   | Understanding |
|        | Pass | age 1  |       |               |
|        | Read | the passage carefully.   |       |               |
|        | (1)  | Corruption, terrorism, communalism, greed for power and wealth and the list of ailments that affect modern society continue. More than half the population of India is below the age group of 25 and the future of the country will only be bright if  |       |               |
|        | (2)  | youngsters are equipped to deal with these ailments.  A child is a storehouse of potential and it is important to nurture and develop these attributes from a very young age. Since they spend much of the time in school, the curriculum in school should be such that it enables children to understand, care and practise ethical values like respect, justice and civic sense. Education should aim to develop a sense of rights and duties as well as moral values like honesty, responsibility and respect for others. |       |               |
|        | (3)  | Moral education should be directed towards enhancing a child's ability to critically analyse   |       |               |

- situations, make decisions, empathise with people and work in cooperation towards a common goal.
- (4) As a means of direct instructions to students, schools are very influential in the character development of a child and the methods of education affect the development of morally upright citizens who can bring about the much needed change in the country.
- (5) The youth of today have to face a lot of problems like drug abuse, violent behaviour and family issues. If they are not taught morals, they would fail to differentiate between good and bad values. Hence, they would be incapable in dealing with different types of issues. A sound moral base would help a child make the right decisions, especially in an era where the youth is increasingly coining under the negative influence of the media.
- (6) Schools in India have introduced moral education as part of their curriculum because they realise that morally sound citizens are the need of the hour. Since most children look up to their teachers as role models, it is most appropriate that they be the facilitators of moral values.
- (7) Thus, schools should focus more on the personality development of children since it is one of the most important responsibilities of a school. Schools should take the initiative to mould children into better human beings so that they can make the world a better place to live in.

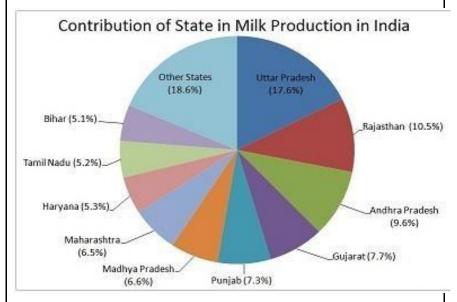
Based on your understanding of the passage, answer the following questions by choosing the correct option.

(A) Pick the correct reasons from the following options that affect modern society. (i) Terrorism (ii) Corruption (iii) Rights and duties (iv) Education (v) Greed for power and wealth (vi) Communalism (a) (i), (iv), (v) and (iv) (b) (iii), (iv) and (v) (c) (i), (ii) and (iii) (d) (i), (ii), (v) and (vi) (B) From the given options choose one quote that best expresses the central idea of the passage. (a) You don't have to think too hard when you talk to teachers. -JD Salinger (b) My idea of education is to unsettle the minds of the young and inflamed their internets. -Robert Maynard Hutchins Education is not filling a bucket, but lighting a (c) fire. -William Yeats (d) Students don't just need knowledge and know-how to succeed-they also need emotional intelligence and compassion. -Norman Vincent Peale (C) According to the passage, which is the most important responsibility of a school? (a) Personality development of children. Telling children how to deal with illness. (b) (c) Developing equality. (d) Promoting sports. (D) .....are the negativities in life that influence children.

|     | (a)  | Violent behaviour, drug   |   |                             |
|-----|--|---|---|-----------------------------|
|     | (b)  | Poverty, sports   |   |                             |
|     | (c)  | Illiteracy, traveling   |   |                             |
|     | (d)  | Obesity, singing  |   |                             |
|     | (E) Whice  | ch statement from the following is correct based  |   |                             |
|     | on y   | our reading of the passage?   |   |                             |
|     | (a)  | The role of school curriculum should be to  |   |                             |
|     |  | enable children to understand care and  |   |                             |
|     |  | practice ethical values.  |   |                             |
|     | (b)  | It is important to develop the skills of a child.   |   |                             |
|     | (c)  | Children should spend most of their time in   |   |                             |
|     | the playgro  | und.  |   |                             |
|     | (d)  | Education should aim to develop co-curricular   |   |                             |
|     |  | skills in children.   |   |                             |
| Q.2 |  |   | 5 | Critical Thinking           |
| Q.Z |  | CASE STUDY -PASSAGE 2   | 5 | Critical Thinking & Problem |
|     |  |   |   | Solving                     |
|     | Read the pa  | assage given below and study the pie chart to   |   | Solving                     |
|     | · ·  | assage given below and study the pie chart to questions that follow:  |   | Solving                     |
|     | answer the The White   | questions that follow:  Revolution, known as Operation Flood, was   |   | Solving                     |
|     | answer the<br>The White<br>launched ir   | questions that follow:  |   | Solving                     |
|     | answer the<br>The White<br>launched in<br>Dairy Deve<br>biggest da   | questions that follow:  Revolution, known as Operation Flood, was an 1970. It was an initiative by India's National elopment Board (NDDB) and was the world's development programme. It transformed   |   | Solving                     |
|     | answer the<br>The White<br>launched in<br>Dairy Deve<br>biggest da<br>India from   | questions that follow:  Revolution, known as Operation Flood, was a 1970. It was an initiative by India's National elopment Board (NDDB) and was the world's a milk deficient nation into the world's largest   |   | Solving                     |
|     | answer the The White launched ir Dairy Develoiggest da India from milk produexperiment   | questions that follow:  Revolution, known as Operation Flood, was a 1970. It was an initiative by India's National elopment Board (NDDB) and was the world's a milk deficient nation into the world's largest licers. Operation Flood was based on the all pattern set up by VergheseKurien, chairman   |   | Solving                     |
|     | answer the The White launched in Dairy Development Dairy Development and founder the The White Production of the White Product | questions that follow:  Revolution, known as Operation Flood, was a 1970. It was an initiative by India's National elopment Board (NDDB) and was the world's a milk deficient nation into the world's largest acers. Operation Flood was based on the all pattern set up by VergheseKurien, chairman for of AMUL, who was named the Chairman of   |   | Solving                     |
|     | answer the The White launched in Dairy Development Dairy Development and founder the The White Production of the White Product | questions that follow:  Revolution, known as Operation Flood, was a 1970. It was an initiative by India's National elopment Board (NDDB) and was the world's a milk deficient nation into the world's largest acers. Operation Flood was based on the all pattern set up by VergheseKurien, chairman for of AMUL, who was named the Chairman of downs also recognised as the architect of   |   | Solving                     |
|     | answer the The White launched in Dairy Development and founder NDDB and Operation Forms  | questions that follow:  Revolution, known as Operation Flood, was a 1970. It was an initiative by India's National elopment Board (NDDB) and was the world's a milk deficient nation into the world's largest acers. Operation Flood was based on the all pattern set up by VergheseKurien, chairman for of AMUL, who was named the Chairman of d was also recognised as the architect of Flood.  |   | Solving                     |
|     | answer the The White launched in Dairy Development and founder NDDB and Operation Formula There were Phase 1: The Theorem 1: The Theorem 1: The Theorem 2: The Theorem 3: T | questions that follow:  Revolution, known as Operation Flood, was a 1970. It was an initiative by India's National Plopment Board (NDDB) and was the world's a milk deficient nation into the world's largest accers. Operation Flood was based on the all pattern set up by VergheseKurien, chairman for of AMUL, who was named the Chairman of displayed was also recognised as the architect of Flood.   |   | Solving                     |
|     | answer the The White launched in Dairy Development and from milk production of the English of Setting is states. The states of the English of Setting is states.   | questions that follow:  Revolution, known as Operation Flood, was a 1970. It was an initiative by India's National elopment Board (NDDB) and was the world's a milk deficient nation into the world's largest acers. Operation Flood was based on the all pattern set up by VergheseKurien, chairman of district was also recognised as the architect of Flood.  At three phases of the White Revolution in India. This phase started in July 1970 with the objective up dairy cooperatives in 18 milk sheds in 10 ey were to be linked with the four best  |   | Solving                     |
|     | answer the The White launched in Dairy Development and founder NDDB and Operation For There were Phase 1: The states. The metropolita  | questions that follow:  Revolution, known as Operation Flood, was a 1970. It was an initiative by India's National Plopment Board (NDDB) and was the world's a milk deficient nation into the world's largest acers. Operation Flood was based on the all pattern set up by VergheseKurien, chairman for of AMUL, who was named the Chairman of distribution was also recognised as the architect of Flood.  Three phases of the White Revolution in India. This phase started in July 1970 with the objective up dairy cooperatives in 18 milk sheds in 10   |   | Solving                     |
|     | answer the The White launched in Dairy Development and founder NDDB and Operation For There were Phase 1: The states. The metropolita  | Revolution, known as Operation Flood, was a 1970. It was an initiative by India's National Plopment Board (NDDB) and was the world's ciry development programme. It transformed a milk deficient nation into the world's largest acers. Operation Flood was based on the all pattern set up by VergheseKurien, chairman for of AMUL, who was named the Chairman of did was also recognised as the architect of Flood.  Three phases of the White Revolution in India. This phase started in July 1970 with the objective up dairy cooperatives in 18 milk sheds in 10 markets. By the end of this phase in 1981 at 13,000 village dairy cooperatives covering           |   | Solving                     |
|     | answer the The White launched in Dairy Development and founder NDDB and Operation For There were Phase 1: The setting is states. The metropolita there were 15,000 farm Phase 2: It  | Revolution, known as Operation Flood, was a 1970. It was an initiative by India's National Plopment Board (NDDB) and was the world's airy development programme. It transformed a milk deficient nation into the world's largest acers. Operation Flood was based on the all pattern set up by VergheseKurien, chairman of did was also recognised as the architect of Flood.  Three phases of the White Revolution in India. This phase started in July 1970 with the objective up dairy cooperatives in 18 milk sheds in 10 ey were to be linked with the four best in markets. By the end of this phase in 1981 a 13,000 village dairy cooperatives covering ners.   |   | Solving                     |
|     | answer the The White launched in Dairy Development and founder NDDB and Operation For There were Phase 1: The states. The metropolitation of the second of t | Revolution, known as Operation Flood, was a 1970. It was an initiative by India's National Plopment Board (NDDB) and was the world's liry development programme. It transformed a milk deficient nation into the world's largest licers. Operation Flood was based on the all pattern set up by VergheseKurien, chairman of did was also recognised as the architect of Flood.  Three phases of the White Revolution in India. This phase started in July 1970 with the objective up dairy cooperatives in 18 milk sheds in 10 ley were to be linked with the four best in markets. By the end of this phase in 1981 a 13,000 village dairy cooperatives covering ners. |   | Solving                     |
|     | answer the The White launched in Dairy Development and founder NDDB and Operation For There were Phase 1: The Metropolitation of Setting is states. The metropolitation of the Warnataka, this phase   | Revolution, known as Operation Flood, was a 1970. It was an initiative by India's National elopment Board (NDDB) and was the world's airy development programme. It transformed a milk deficient nation into the world's largest acers. Operation Flood was based on the all pattern set up by VergheseKurien, chairman of d was also recognised as the architect of Flood.  At three phases of the White Revolution in India. This phase started in July 1970 with the objective up dairy cooperatives in 18 milk sheds in 10 ey were to be linked with the four best in markets. By the end of this phase in 1981 a 13,000 village dairy cooperatives covering hers.  |   | Solving                     |

Phase 3: This phase emphasised on consolidating the gains of the earlier two phases by improving the productivity and efficiency of the dairy sectors for long term sustainability. It ended in 1996 and by that time there were 73,300 dairy cooperatives and over 9.4 million farmer members.

It ended the imports of milk solids in India and India started exporting milk powder to many foreign nations.



- 1.The White Revolution was responsible for turning India to
- (i) a milk deficient nation
- (ii) world's smallest milk producer
- (iii) world's largest milk producer
- (iv) none of these
- 2.Phase II of the White Revolution ended in
- (i)1981
- (ii) 1970
- (iii) 1985
- (iv) 1996
- 3. The major achievement of White Revolution was that .
- (i) India stopped importing milk
- (ii) India started exporting milk
- (iii) India stopped importing and started exporting milk
- (iv) None of these
- 4.At the end of Phase III of White Revolution, the number of farmer members were .

|     | (i)15000  |   |               |
|-----|---|---|---------------|
|     | (ii) 36 lakh  |   |               |
|     | (iii) 3.6 million   |   |               |
|     | (iv) 9.4 million  |   |               |
|     | 5.In decreasing order, the share of states in Milk Production in India is   |   |               |
|     | (i) UP, Rajasthan, Gujarat, Maharashtra   |   |               |
|     | (ii) Bihar, Tamil Nadu, Haryana, Maharashtra  |   |               |
|     | (iii) UP, Gujarat, Rajasthan, Maharashtra   |   |               |
|     | (iv) Bihar, Tamil Nadu, Maharashtra, Haryana  |   |               |
|     |   |   |               |
| Q.3 | CREATIVE WRITING SKILL  | 5 | Communication |
|     | Develop a story in about 100-120 words with the help of the given outline. Also give a suitable title.  |   | skill         |
|     | A poor woodcuttercutting trees in a forestone day axe falls into the riverwater deephelpless woodcutter weepsGod Mercury appearsasks woodcutter the reasonbrings a golden axewood cutter doesn't accept   |   |               |
|     | itthen brings a silver axewoodcutter again refuses it.  |   |               |
| Q.4 |   | 5 | Analytical    |
| Q.4 | itthen brings a silver axewoodcutter again refuses it.  | 5 | Analytical    |
| Q.4 | itthen brings a silver axewoodcutter again refuses it.  GRAMMAR  i. Fill in the blank by choosing the correct option  | 5 | Analytical    |
| Q.4 | itthen brings a silver axewoodcutter again refuses it.  GRAMMAR  i. Fill in the blank by choosing the correct option to complete the online update.  Bythenextmonth, weshallthe project.  (a) has completed (b) completing  | 5 | Analytical    |
| Q.4 | itthen brings a silver axewoodcutter again refuses it.  GRAMMAR  i. Fill in the blank by choosing the correct option to complete the online update.  Bythenextmonth, weshallthe project.  | 5 | Analytical    |
| Q.4 | itthen brings a silver axewoodcutter again refuses it.  GRAMMAR  i. Fill in the blank by choosing the correct option to complete the online update.  Bythenextmonth, weshallthe project.  (a) has completed (b) completing  | 5 | Analytical    |
| Q.4 | itthen brings a silver axewoodcutter again refuses it.  GRAMMAR  i. Fill in the blank by choosing the correct option to complete the online update.  Bythenextmonth, weshallthe project.  (a) has completed (b) completing (c) completed (d) have completed  ii. Readtheconversationbetweenatravellerandapea sant.Thencompletethefollowinginthereportedspe ech.  Traveller: Can you tell me the waytothe nearest  | 5 | Analytical    |
| Q.4 | itthen brings a silver axewoodcutter again refuses it.  GRAMMAR  i. Fill in the blank by choosing the correct option to complete the online update.  Bythenextmonth, weshallthe project.  (a) has completed (b) completing  (c) completed (d) have completed  ii. Readtheconversationbetweenatravellerandapea sant. Thencomplete the following in the reported speech.  | 5 | Analytical    |
| Q.4 | itthen brings a silver axewoodcutter again refuses it.  GRAMMAR  i. Fill in the blank by choosing the correct option to complete the online update.  Bythenextmonth, weshallthe project.  (a) has completed (b) completing (c) completed (d) have completed  ii. Readtheconversationbetweenatravellerandapea sant.Thencompletethefollowinginthereportedspe ech.  Traveller: Can you tell me the waytothe nearest inn?   | 5 | Analytical    |
| Q.4 | GRAMMAR  i. Fill in the blank by choosing the correct option to complete the online update.  Bythenextmonth, weshallthe project.  (a) has completed (b) completing (c) completed (d) have completed  ii. Readtheconversationbetweenatravellerandapea sant.Thencompletethefollowinginthereportedspe ech.  Traveller: Can you tell me the waytothe nearest inn? Peasant:YoumustgototheAheli inn.  Thetravelleraskedthepeasantifhecouldtellhimthe waytothenearestinntowhichthepeasantsuggested | 5 | Analytical    |

|     | (c) dare to   | (d)w  | ill  |              |                   |
|-----|---|---|--|--------------|-------------------|
|     | •   | thefollowinglir<br>Inchedaspeci   | •  |              |                   |
|     | OptionNo.   | Error   | Correction   |              |                   |
|     | (a)   | Against   | For  |              |                   |
|     | (b)   | Have  | Has  |              |                   |
|     | (c)   | created   | Are creating   |              |                   |
|     | (d)   | These   | This   |              |                   |
|     | hecorrectoption Ithisboom (a) had been  | n.<br>ksincemornir<br>reading<br>n reading<br>read                              | byfillingintheblankwith                                  | t            |                   |
| Q.5 | a) "The house was no room. I had just see earnings were medically what kind of house did ii) What did the speaker iii) Why were his earning and are the speaker iii) Why were his earning and are the speaker iii) why were his earning and are the speaker iii) why were his earning and are the speaker iii) why were his earning and are the speaker iii) why were his earning and are the speaker iii) why were his earning and are the speaker iii) why were his earning and are the speaker iii) why were his earning and are the speaker iii) who were his earning and are the speaker iii) who were his earning and are the speaker iii) who were his earning and are the speaker iii) who were his earning and are the speaker iii) who were his earning and are the speaker iii) who were his earning and are the speaker iii) who were his earning and are the speaker iii) who were his earning and are the speaker iii) who were his earning and are the speaker iii) who were his earning and are the speaker iii) who were his earning and are the speaker iii) who were his earning and are the speaker iii) who were his earning and are the speaker iii) who were his earning and are the speaker iii) who were his earning and are the speaker iii) who were his earning and are the speaker iii) who were his earning and are the speaker iii) who were his earning and are the speaker iii) who were his earning and are the speaker iiii) who were his earning and are the speaker iiii) who were his earning and are the speaker iiii) who were his earning and are the speaker iiii) who were his earning and are the speaker iiii) who were his earning and are the speaker iiii) who were his earning and are the speaker iiii) who were his earning and are the speaker iiiii) who were his earning and are the speaker iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii | ot electrified. It up medical ager." If the speaker do to earn his gs not much? | It was a small, rented practice and my live in? sliving? | 4X½=2        | Interdisciplinary |
| Q.6 | Short Answer Type Que Answer the following que i.List the things that little ii.Describe the scene we   | uestions<br>lestions in 30<br>e child wanted                                    | -40 words only.  | 2x6=12<br>r. | Evaluation        |
|     | iii.How did the goldsmit  | h escape the  | punishment? Whom   |              |                   |

|     | did he blame?   |   |     |
|-----|---|---|-----|
|     | iv. 'The bleeding bark will heal'   |   |     |
|     | The above line shows the torture, pain and wounds the tree suffers at the hands of man. Despite all odds, it grows and rises again. What lesson do we learn from the tree?  |   |     |
|     | v. What is your opinion about the person attacking the snake in the poem 'The Snake Trying'?  |   |     |
|     | vi. How does the author describe Kathmandu's busiest streets?   |   |     |
|     |   |   |     |
| Q.7 | Long Answer Type Questions Answer the following questions in100-120 words.  | 6 | НОТ |
|     | i)Imagine that you are the Intruder of the play 'If I Were You', and you get the chance to live the life of Gerrard after killing him. What changes would you bring in your lifestyle and what would you do to hide your real identity?  OR |   |     |
|     | ii)The men melt down the statue, yet the angels proclaim its heart as one of the most precious things in the city.  Comment on the divergent viewpoints of the angels and humans with reference to the story 'The Happy Prince'.            |   |     |
|     |   |   |     |



### ARMY PUBLIC SCHOOL GWALIOR CLASS - IX



# ACADEMIC SESSION 2022-23 WORKSHEET (SELF-ASSESSMENT)

Subject: Hindi Assignment No.9

| अपने पिता जी को पत्र लिखकर सूचित कीजिए कि वार्षिक परीक्षा के लिए आपकी तैयारी कैसी है।  बढ़ती गरमी और कम होती वर्षा के बारे में दो मित्रों की बातचीत का संवाद-लेखन 50 से 60 शब्दों में कीजिए।   | 5<br>6   | Information  Communication Skills  |
|--|--|--|
|  | 6  |  |
|  |  | Okliis   |
| निम्निलिखित वाक्यों में उचित विराम-चिहन का प्रयोग करते हुए<br>दोबारा लिखिए  <br>1.भाष चंद्र बोस ने कहा तुम मुझे खून दो मैं तुम्हें आजादी दूंगा<br>2.हाय फूल सी कोमल बच्ची हुई राख की थी ढेरी<br>3.तुम कौन हो कहाँ रहते हो क्या करते हो यह सब मैं क्यों | 3  | Understanding  |
| निम्नलिखित शब्दों की संधि-विच्छेद कीजिए —<br>अरुणोदय –<br>एकैक –<br>शिवालय –<br>निम्नलिखित वाक्यों के भेद लिखिए। (अर्थ के आधार पर)   | 3  |  |
| दोव<br>1.8<br>2.ह<br>पूर्  | बारा लिखिए   भाष चंद्र बोस ने कहा तुम मुझे खून दो मैं तुम्हें आजादी दूंगा हाय फूल सी कोमल बच्ची हुई राख की थी ढेरी तुम कौन हो कहाँ रहते हो क्या करते हो यह सब मैं क्यों हर् म्निलिखित शब्दों की संधि-विच्छेद कीजिए — हणोदय — कक — वालय — | बारा लिखिए   आष चंद्र बोस ने कहा तुम मुझे खून दो मैं तुम्हें आजादी दूंगा हाय फूल सी कोमल बच्ची हुई राख की थी ढेरी तुम कौन हो कहाँ रहते हो क्या करते हो यह सब मैं क्यों हुई म्निलिखित शब्दों की संधि-विच्छेद कीजिए – हणोदय – किक – वालय – |

|   | दीवारों को साफ़ कर दो।   |   |   |
|---|--|---|---|
|   | अरे! कितना विशाल मैदान है।   |   |   |
|   | किसान बैंक से कर्ज़ लेते हैं।  |   |   |
|   | क्या पक्षी आकाश में उड़ रहे है?  |   |   |
| 4 | दिए गए चित्रों को देखकर 50-60 शब्दों में उनका वर्णन कीजिए।   | 5 | Analytical Skill                            |
|   | 4.   |   |   |
| 5 | निम्नलिखित में से किसी एक विषय पर 80 - 100 शब्दों में अनुच्छेद<br>लिखिए  | 5 | Critical Thinking<br>and Problem<br>Solving |
|   | अभ्यास का महत्त्व  |   |   |
|   | अथवा   |   |   |
|   | वन और पर्यावरण का सम्बन्ध  |   |   |
| 6 | निम्नलिखित प्रश्नों के उत्तर दीजिए-  | 9 | Evaluation                                  |
|   | 1. गिल्लू को मुक्त करने की आवश्यकता क्यों समझी गई और उसके  |   |   |
|   | लिए लेखिका ने क्या उपाय किया?  |   |   |
|   | <ol> <li>लेखिका को देखकर 'की' हक्का-बक्का क्यों रह गया?</li> <li>महादेव जी के किन गुणों ने उन्हें सबका लाडला बना दिया था?</li> </ol> |   |   |
|   | उ. राहायुव जा चर विरुष्ट चुटा रा उर्ट रावचर लाउला वर्गा ।पुषा थाः  |   |   |





### ARMYPUBLICSCHOOLGWALIOR CLASS-IX

### ACADEMICSESSION2022-23 WORKSHEET (SELF-ASSESSMENT)

Subject: Mathematics Assignment No.: 9

| S.NO. |                         | QUESTIONS               | MARKS | NATURE            |
|-------|-------------------------|-------------------------|-------|-------------------|
| 1     | The number 1.1010010    | 00100001 is             | 1     | understanding     |
|       | a. a natural number     | b. a whole number       |       |                   |
|       | c. a rational number    | d. an irrational number |       |                   |
| 2     | If value of 104 × 96 is |                         | 1     | Application       |
|       | a. 9984                 | b. 9469                 |       |                   |
|       | c. 10234                | d. 11324                |       |                   |
| 3     | Which graph is paralle  | el to x-axis?           | 1     | understanding     |
|       | a. y=x+1                | b. y=2                  |       |                   |
|       | c. x=3                  | d. x=2y                 |       |                   |
| 4     | Which point lies on the | e left of y-axis?       | 1     | Interdisciplinary |
|       | a. (2, 0)               | b. (-2,-4)              |       |                   |
|       | c. (5, 2)               | d. (3, 6)               |       |                   |
| 5     | The edges of the surfa  | ce are :                | 1     | Analytical Skill  |
|       | a. Points               | b. Curves               |       |                   |
|       | c. Lines                | d. None of the above    |       |                   |
|       |                         |                         |       |                   |
|       |                         |                         |       |                   |
|       |                         |                         |       |                   |

| 6  | In a right angled triangle where angle A= 90° and AB=AC. What are the values of angle B.                                     | 1 | Critical Thinking and |
|----|--|---|-----------------------|
|    | a. 45° b. 35°  |   | Problem Solving       |
|    | c. 75° d. 65°  |   |                       |
| 7  | Choose the correct statement a. a triangle has two right angles b. all the angles of a triangle are                          | 1 | Application           |
|    | more than $60^\circ$ c.an exterior angle of a triangle is  |   |                       |
|    | always greater than the opposite interior angles   |   |                       |
|    | d. all the angles of a triangle are less than $60^{\circ}$   |   |                       |
| 8. | If in a parallelogram its diagonals bisect each other and are equal then it is a,  | 1 | Analytical Thinking   |
|    | a. Square b. Rectangle   |   |                       |
|    | c. Rhombus d. Parallelogram  |   |                       |
| 9  | The sides of a triangle are 15 cm, 17 cm and 8 cm. What is its area?   | 1 | Understanding         |
|    | a. 20cm2 b. 40cm2  |   |                       |
|    | c. 60cm2 d. 80cm2  |   |                       |
| 10 | In the given figure, ∆ABC and ∆DBC are inscribed in a circle such that ∠BAC = 60° and ∠DBC = 50°. then, ∠BCD =               | 1 | Interdisciplinary     |
|    | a. 50° b. 60° c. 70° d. 80°  |   |                       |
| 11 | If the radius of a sphere is doubled, then what is the ratio of their surface area?  | 1 | Interdisciplinary     |
|    | (a) 1 : 2 (b) 2 : 1 (c) 1 : 4 (d) 4 : 1  |   |                       |
| 12 | What is the class mark of the class interval 90-120?   | 1 | Application           |
|    | a. 90 b. 105   |   |                       |
|    | c. 115 d. 120  |   |                       |
| 13 | In the figure, there is histogram depicting daily wages of workers in a factory. Construct the frequency distribution table. | 2 | Evaluation            |
|    | Number of workers 30 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -  |   |                       |
|    | 8 20<br>10<br>10<br>10<br>10<br>10<br>150 200 250 300 350 400<br>Wages (in ₹) →  |   |                       |

| 14  | The perimeter of an isosceles triangle is 32 cm. The ratio of the equal side to its base is 3: 2. Find the area of the triangle.   | 2 | Analytical<br>Thinking |
|-----|--|---|------------------------|
| 15. | Express 1.363636 in the form $p/q$ , where p and q are integers and $q \neq 0$ .   | 2 | Evaluation             |
| 16. | Factorise $x^2 - 1 - 2a - a^2$ .   | 2 | Evaluation             |
| 17. | Without plotting the points indicate the quadrant in which they will lie, if   | 2 | Analytical<br>Thinking |
|     | (i) the ordinate is 5 and abscissa is – 3  |   |                        |
|     | (ii) the abscissa is $-5$ and ordinate is $-3$   |   |                        |
|     | (iii) the abscissa is – 5 and ordinate is 3  |   |                        |
|     | (iv) the ordinate is 5 and abscissa is 3   |   |                        |
| 18. | If the point $(3, 4)$ lies on the graph of the equation $3y = ax + 7$ , find the value of a.   | 2 | Problem Solving        |
| 19. | If a point C lies between two points A and B such that AC = BC, then prove that AC = 1/2 AB. Explain by drawing the figure.  | 2 | Evaluation             |
| 20. | In the figure determine the value of y.  B  Sy A   | 2 | Interdisciplinary      |
| 21. | ΔABC is an isosceles triangle in which AB = AC. Side BA is produced to D such that AD = AB. Show that angle BCD is a right angle.  | 3 | Critical Thinking      |
| 22. | ABCD is rhombus AD is produced to E so that DE=DC and EC produced meets AB produced in F. Prove that BF=BC.  | 3 | HOTS                   |
| 23. | Meera has a piece of canvas whose area is 551 m <sup>2</sup> . She uses it to have a conical tent made, with a base radius of 7 m. Assuming that all the stitching margins and the wastage incurred while cutting, amounts to approximately 1 m <sup>2</sup> , find the volume of the tent that can be made with it. | 3 | HOTS                   |
| 24. | In the given figure, PQR = 100°, where P, Q and R are points on a circle with centre O. Find LOPR.   | 3 | HOTS                   |



# ARMY PUBLIC SCHOOLGWALIOR CLASS -IX



#### **SESSION 2022-23**

#### SELF ASSESSMENT WORKSHEET FEBRUARY

Subject: Science Assignment No: 9

| S. NO. | QUESTIONS  | MARKS | NATURE            |
|--------|--|-------|-------------------|
|        |  |       |                   |
| 1      | Q1. Differentiate between Distance and Displacement (any two points)   | 2     | Information       |
|        | Q2. If you apply a net force of 2.5N N on .3 kg-box, what is the   | 2     |                   |
|        | acceleration of the box?  Q3. Suggest a suitable separation technique for the following:  (a) Ammonium chloride and potassium chloride  (b) Coloured components from blue ink  (c) Mixture of alcohol in water | 2     |                   |
| 2      | (d) Oil from water  Q4. Why is ice at 273 K more effective in cooling than water at the same temperature?  | 2     | Understanding     |
|        | Q5. What is pasturage and how is it related to honey   | 2     |                   |
|        | production? Q6. A stone is dropped from the top of a 500 m high tower. Calculate its speed after 5 s. Also find the speed with which the stone strikes the ground.   | 3     |                   |
| 3      | Q7. Is it possible that an object is in the state of accelerated motion due to external force acting on it, but no work is being done by the force? Explain with example                                       | 3     | НОТ               |
|        | Q8. Write the formulae of the following compounds:  (a) Magnesium hydroxide (b) Potassium sulphate (c) Sodium hydrogen carbonate (d) Hydrogen iodide (e) Copper nitrate  | 3     |                   |
| 4      | (f) Calcium carbonate  Q9. If bromine atom is available in the form of say, two  | 3     | Interdisciplinary |
|        | isotopes <sup>79</sup> <sub>35</sub> Br (49.7%) and <sup>81</sup> <sub>35</sub> Br (50.3%), calculate the  |       |                   |
|        | average atomic mass of bromine atom. Q10. Differentiate between Prokaryotic cell and Eukaryotic cell.  | 3     |                   |

|   |   | T | -                                     |
|---|---|---|---------------------------------------|
| 5 | Q11.Explain intercropping, mixed cropping and crop rotation.  Case – Based Questions:  Q12.Sound is produced by vibrating objects. The matter or substance through which sound is transmitted is called a medium. It can be solid, liquid or gas. Sound moves through a medium from the point of generation to the listener. When an object vibrates, it sets the particles of the medium around it vibrating. The particles do not travel all the way from the vibrating object to the ear. Sound waves are characterized by the motion of particles in the medium and are called mechanical waves. When a vibrating objectmoves forward, it pushes and compresses theair in front of it creating a region of highpressure; this region is called a compression(C). When the vibrating object moves backwards, it creates a region of low pressure calledrarefaction (R). Hence sound is longitudinal wave.  (a) What types of waves are sound waves?  (b) How does sound travels  (c) What is sound and how is it produced?  OR  (c) Why sound wave is called as longitudinal wave?   | 3 | Analytical Skill                      |
| 6 | Q13. Protons are present in the nucleus of an atom. It is the number of protons of an atom, which determines its atomic number. It is denoted by 'Z'. For hydrogen, Z = 1, because in hydrogen atom have only one proton is present in the nucleus. Therefore, the atomic number is defined as the total number of protons present in the nucleus of an atom.  The mass of an atom is practically due to protons and neutrons alone. These are present in the nucleus of an atom. Hence protons and neutrons are also called nucleons. Therefore, the mass of an atom resides in its nucleus. For example, mass of carbon is 12 u because it has 6 protons and 6 neutrons, 6 u + 6 u = 12 u. Similarly, the mass of aluminium is 27 u (13 protons+14 neutrons). The mass number is defined as the sum of the total number of protons and neutrons present in the nucleus of an atom. It is denoted by 'A'.  (a) Which subatomic particle is absent in an ordinary hydrogen atom?  (b) Write the correct representation of an element 'X' which contains 15 electrons and sixteen neutrons.  (c) An element 'X' contains 6 electrons in 'M' shell as valence electrons:  (i) What is the atomic number of 'X'?  (ii) Identify whether 'X' is a metal or non-metal.  OR  (c) The given figure depicts the atomic structure of an atom of an element 'X'.  (i) Atomic mass of 'X'  (ii) Valency of 'X' | 4 | Critical Thinking and Problem Solving |

| 7 | Q14.Dense regular connective tissue consists of ordered and        | 4 | Evaluation |
|---|--|---|------------|
|   | densely packed fibres and cells. The fibres are loose and very     |   |            |
|   | elastic in nature. They are secreted by the surrounding            |   |            |
|   | connective tissue cells. This tissue is the principal component of |   |            |
|   | tendons and ligaments. Tendons are cord like, very tough,          |   |            |
|   | inelastic bundles of white collagen fibresLigaments are cords      |   |            |
|   | formed by elastic tissue in which many collagen fibres are         |   |            |
|   | bound together by areolar tissue.                                  |   |            |
|   | (a) Define tissue.   |   |            |
|   | (b) Name the fat storing tissue in our body.                       |   |            |
|   | (c) What is the function of tendon and ligament?                   |   |            |



### ARMY PUBLIC SCHOOL GWALIOR



#### **CLASS - IX**

#### **ACADEMIC SESSION 2022-23**

#### WORKSHEET (SELF –ASSESSMENT)

Subject: Social Science Assignment No.: 9

| S. NO. | QUESTIONS                                     | MARKS | NATURE      |
|--------|---|-------|-------------|
|        |   |       |             |
| 1      | When was Bastille destroyed?                  | 1     | Information |
|        | (a) 14 July 1789                              |       |             |
|        | <b>(b)</b> 14 July 1798                       |       |             |
|        | (c) 2 July 1789                               |       |             |
|        | (d) 5 August 1879                             |       |             |
|        |   |       |             |
|        |   |       |             |
| 2      | Who were Jadidists within the Russian empire? | 1     |             |
|        | (a) Muslim worker                             |       |             |
|        | (b) Muslim reformers                          |       |             |
|        | (c) Buddhist reformer                         |       |             |
|        | (d) Buddhist cultivators                      |       |             |

|   |  | 1 |  |
|---|--|---|--|
| 3 | The easternmost longitude of India is:  (a) 97* 25'E  (b) 68*7'E   | 1 |  |
| 4 | (c) 77*6'E (d) 82*32'E   | 1 |  |
|   | <ul><li>(a) Deccan Trap</li><li>(b) Deccan Plateau</li><li>(c) Chhotanagpur Plateau</li></ul>  |   |  |
| 5 | <ul><li>(d) None of these</li><li>What does a candidate need before contesting elections in China?</li><li>(a) Approval of at least two big-political parties</li><li>(b) Approval of the National People's Congress</li></ul> | 1 |  |
| 6 | <ul><li>(c) Approval of the Chinese Communist Party</li><li>(d) Approval of the Election Commission</li><li>What does 'EPIC' stand for?</li><li>(a) Election Photo Identity Commission</li></ul>                               | 1 |  |

|   | // > = /   |   |  |
|---|--|---|--|
|   | (b) Elementary Photo Identity Card   |   |  |
|   | (c) Election Photo Identity Card   |   |  |
|   | (d) Election Photo Individual Card   |   |  |
|   |  |   |  |
|   |  |   |  |
|   | When was the National Food for Work Programme launched?                            |   |  |
| 7 |  | 1 |  |
|   | <b>(a)</b> In 2000   |   |  |
|   |  |   |  |
|   | <b>(b)</b> In 2002   |   |  |
|   | (c) In 2004  |   |  |
|   | <b>(d)</b> In 2006   |   |  |
|   |  |   |  |
|   |  |   |  |
|   | Which project is a significant step towards  |   |  |
| 8 | providing elementary education to all children in the age group of six to fourteen | 1 |  |
|   | years by 2010?   |   |  |
|   |  |   |  |
|   | (a) Sarvodaya Shiksha Abhiyan  |   |  |
|   | <b>(b)</b> Navodaya Vidyalaya Abhiyan  |   |  |
|   |  |   |  |
|   | (c) Sarva Shiksha Abhiyan  |   |  |
|   | (d) Rashtriya Shiksha Abhiyan  |   |  |
| 9 | India's age composition comprises of-  | 1 |  |
|   | (a) Adults 60%, Aged 10%, Children 30%   |   |  |
|   | <b>(b)</b> Adults 58%, Aged 6.9%, Children 35.1%                                   |   |  |
|   | <b>(c)</b> Adults 57.7%, Aged 5.9%, Children                                       |   |  |
|   | (v) madits 37.770, Aged 3.370, Childrell   |   |  |

|    | 36.4%   |   |               |
|----|---|---|---------------|
|    | (d) Adults 58.7%, Aged 6.9%, Children 34.4%                       |   |               |
| 10 | The word 'Maasai' is derived from the word 'Maa'. 'Maasai' means- | 1 |               |
|    | (a) My People   |   |               |
|    | (b) Mother and People   |   |               |
|    | (c) Their People  |   |               |
|    | (d) Tribal People   |   |               |
|    |   |   |               |
|    |   |   |               |
| 2  | (a) What is known as the 'burst of monsoon'?                      | 3 | Understanding |
|    | (b) What is code of conduct?                                      | 3 |               |
|    |   |   |               |
| 3  | (a) Mention two major reasons for less effectiveness              | 3 | НОТ           |
|    | of the anti-poverty programmes?                                   |   |               |
|    | Or  |   |               |
|    | (b) Enumerate the demerits of an electoral                        |   |               |
|    |   |   |               |

|   | competition.  |   |                    |
|---|---|---|--------------------|
|   |   |   |                    |
|   |   |   |                    |
|   |   |   |                    |
|   |   |   |                    |
|   |   |   |                    |
| 4 | (a) How are job reservations for Scheduled Castes,      | 3 | Interdisciplinary  |
|   | (a) How are job reservations for scheduled castes,      | 3 | interdiscipilitary |
|   | Scheduled Tribes and Other Backward Classes not a       |   |                    |
|   | violation of the Right of Equality?                     |   |                    |
|   |   |   |                    |
|   | (b) How is the high level of indebtedness both the      |   |                    |
|   |   | 3 |                    |
|   | cause and effect of poverty?                            |   |                    |
|   |   |   |                    |
| 5 | (a) Discuss why the colonial government introduced the  | 5 | Analytical Skill   |
|   |   |   |                    |
|   | Wasteland Rules in India. How did the Wasteland Rules   |   |                    |
|   | change the life of pastoralists?                        |   |                    |
|   |   |   |                    |
|   | or  |   |                    |
|   |   |   |                    |
|   | (b) How is a democratic government a better government? |   |                    |
|   | , , , , , , , , , , , , , , , , , , ,                   |   |                    |
|   | Explain in view of the governance in China and that in  |   |                    |
|   |   |   |                    |

|   | India.  |   |                               |
|---|---|---|-------------------------------|
|   |   |   |                               |
| 6 | (a) What is the significance of fundamental rights in a   | 5 | Critical Thinking and Problem |
|   | democratic country?                                       |   | Solving                       |
|   | or  |   |                               |
|   | (b) Write a short note on National River Conservation     |   |                               |
|   | Plan (NRCP). Discuss about the major steps taken          |   |                               |
|   | by NRCP in keeping rivers clean.                          |   |                               |
| 7 | (a) Discuss the effects of the abolition of censorship in | 5 | Evaluation                    |
|   | France.   |   |                               |
|   | or  |   |                               |
|   | (b) What was the status of mothers under Nazism?          | 5 |                               |





#### ARMY PUBLIC SCHOOL GWALIOR CLASS - IX **ACADEMIC SESSION 2022-23** WORKSHEET (SELF -ASSESSMENT)

Subject: Computer Allotment Date: 15 February 2023 Assignment No.: 5

| S. No. | Questions  | Marks   | Nature |
|--------|--|---------|--------|
| 1.     | Write answer in one word:-   | 4 x ½=2 |        |
|        | a) Which tool allows you to remove   |         |        |
|        | imperfections from an image?   |         |        |
|        | b) Which is the tool that lightens the area of an  |         |        |
|        | image?   |         |        |
|        | c) Which list is also called as unordered list?  |         |        |
|        | d) Write the syntax of bold tag.   |         |        |
| 2.     | Fill in the blanks-  | 4 x ½=2 |        |
|        | a. Thetool lets you type text either horizontally or vertically.   |         |        |
|        | b. The tool is used to darken area of an image.  |         |        |
|        | c. HTML is an acronym for Hyper Text Language.   |         |        |
|        | d is the art of manipulating people so they give up confidential information.                            |         |        |
| 3.     | Write 'T' for True and 'F' for False against the   | 4 x ½=2 |        |
|        | statements.  |         |        |
|        | a. A firewall can be hardware only.  |         |        |
|        | <ul> <li>b. The unwanted messages by email or even<br/>by SMS are known as Spam.</li> </ul>              |         |        |
|        | <ul> <li>c. Body tags are used to hold the contents of<br/>the page.</li> </ul>                          |         |        |
|        | <ul> <li>d. <h1> creates the largest heading and <h7> creates the smallest heading.</h7></h1></li> </ul> |         |        |
| 4.     | Answer the following:-   | 4 x 1=4 |        |
|        | a. What are filters?   |         |        |
|        | <ul> <li>b. What is HTML? Write about tags and attributes.</li> </ul>                                    |         |        |
|        | c. What is Cyber Safety?   |         |        |
|        | d. What is Phishing?   |         |        |
|        |  |         |        |