

**ST. MICHAEL'S SR. SEC. SCHOOL**  
**3, PUSA ROAD, NEW DELHI**  
**CLASS 7 ASSIGNMENT MID TERM**  
**2026-27**

**ENGLISH**

**Ques. Read the poem given below and answer the questions that follow:**

**“The Magic Window”**

Our window is a magic frame,  
With pictures never twice the same.  
Sometimes it frames a sunset sky,  
Where clouds of gold and purple lie.  
And sometimes on a windless night,  
It holds a great moon round and white.  
Sometimes it frames a lawn and flowers,  
Where children play through summer hours.  
Sometimes a tree of gold and red,  
And grass where crisp brown leaves are shed.  
Sometimes it shows the wind-blown rain,  
Or snowflakes cold against the pane.  
Our window frames lovely things,  
That every changing season brings.

**Questions:**

1. Give another suitable title to the poem.
2. What is the rhyming scheme of the first four lines of the poem?
3. Why does the poet call the window a “magic frame”?
  - (a) It is made of glass.
  - (b) It shows different pictures every time.
  - (c) It is very old.
  - (d) It can open by itself.
4. State True/False.  
The poet sees a crowded road from his window.
5. What does the window hold on a windless night?
  - (a) Stars.
  - (b) A great moon round and white.
  - (c) Clouds.
  - (d) A rainbow.
6. What colours are mentioned for the sunset sky?
  - (a) Blue and green.
  - (b) Gold and purple.
  - (c) Red and orange.
  - (d) Pink and grey.
7. What does the window show during winter?
  - (a) Flowers blooming.
  - (b) Snowflakes cold against the pane.
  - (c) Children playing outside.
  - (d) Birds flying.
8. Give the antonym of the word ‘stationary’ from the poem.
9. How does the moon appear on a windless night?
10. Name the seasons described in the poem.

# MATHEMATICS

Choose the correct option:

Q1  $0 \div \frac{3}{4}$  of  $\frac{1}{2}$  is equal to:

- A) 1      B)  $\frac{3}{4}$       C) 0      D)  $\frac{4}{3}$

Q2 120% is equal to :

- A)  $\frac{1}{5}$       B)  $\frac{120}{100}$       C)  $\frac{12}{100}$       D) none of these

Q3 At 3 o'clock, the angle between hour and minute hand is:

- A)  $45^\circ$       B)  $60^\circ$       C)  $90^\circ$       D)  $180^\circ$

Q4  $(-1)^{16} \times (-1)^{15}$  is equal to:

- A) 1      B) -1      C) 0      D) None of these

Q5  $(+10) \div (+2)$

- A) 20      B) -5      C) 5      D) None of these

Solve

Q6 The average human body carries about 5.7 litres of blood. Convert it into centilitres.

Q7 A manufacturer sells bike to a wholesaler at 10% gain. The wholesaler gains 25% from the retailer and the retailer sells to customer at 25% gain. If the selling price of the retailer is ₹75,900, find the manufacturer's production cost.

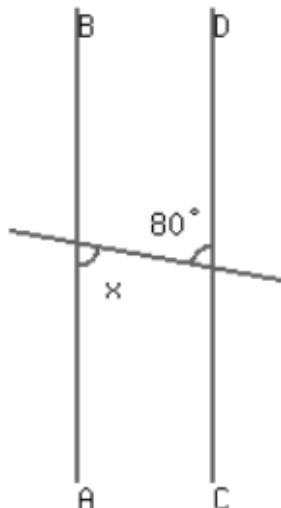
Q8 Continue the following pattern:

-28, -18, -8, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

Q9 Add:  $3\frac{1}{2} + 6\frac{3}{4} + 2\frac{3}{4}$

Q10 If  $a^4 \times a^5 = a^x$ , find the value of x.

Q11 If AB and CD are parallel, find the value of  $\angle x$ .

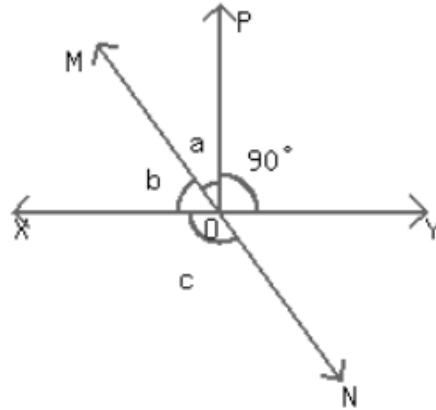


Q12 Simplify:  $\left(\frac{1}{7}\right)^3 \times \left(\frac{1}{7}\right)^2$

Q13 How many months are there in  $\frac{4}{5}$  of a century?

Q14 Sum of two integers is 280. If one of the integers is -70, find the other integer.

Q15 If lines XY and MN intersect as shown below and  $a:b = 2:3$ , find c.



## **SOCIAL SCIENCE**

Q1. **Choose the correct option.**

1. This century marked the end of the medieval period in India.

- |             |                |
|-------------|----------------|
| (a) Eighth  | (b) Eighteenth |
| (c) Seventh | (d) Tenth      |

2. Which of the following terms is not linked with seismic activity?

- |               |                   |
|---------------|-------------------|
| (a) Epicentre | (b) Crater        |
| (c) Focus     | (d) Richter scale |

3. Two statements are given below. They are Assertion (A) and Reason (R). Read both the statements and choose the correct option.

**Assertion (A): Mahmud of Ghazni invaded India multiple times.**

**Reason (R): Mahmud of Ghazni wanted to collect money to raise an army that would help make Ghazni the most powerful kingdom.**

- |                                                                              |
|------------------------------------------------------------------------------|
| (a) Both (A) and (R) are true and (R) is the correct explanation of (A).     |
| (b) Both (A) and (R) are true but (R) is not the correct explanation of (A). |
| (c) (A) is true but (R) is false.                                            |
| (d) (A) is false but (R) is true.                                            |

4. Two statements are given below. They are Assertion (A) and Reason (R). Read both the statements and choose the correct option.
- Assertion (A): The opposition is important for the smooth functioning of democracy.**
- Reason (R): The opposition keeps a check on the government.**
- (a) Both (A) and (R) are true and (R) is the correct explanation of (A).  
(b) Both (A) and (R) are true but (R) is not the correct explanation of (A).  
(c) (A) is true but (R) is false.  
(d) (A) is false but (R) is true.
5. Some states have the Legislative Council or \_\_\_\_\_ similar to the Rajya Sabha.
- (a) Vidhan Parishad (b) Vidhan Sabha  
(c) Lok Sabha (d) Gram Sabha

**Q2. Answer the following very short answer questions.**

1. What do you understand by the 'Indian' culture that emerged in medieval India?
2. What do you understand by Khanqah and Sama?
3. Which layer of the Earth is made up of iron and nickel?
4. Distinguish between Focus and Epicentre.
5. Write two conditions when the citizens are unable to enjoy voting rights.
6. Why is the Legislative Council called a permanent body?

**Q3. Answer the following short answer questions. (Attempt any three)**

1. Why are coins and inscriptions important for the study of medieval period?
2. How are rocks and minerals useful to us?
3. How are representatives to the Vidhan Sabha elected? How have the territorial constituencies for assembly seats been set up?
4. What are the three functions of a Chief Minister?

**Q4. Answer the following long answer questions.**

1. What did Guru Nanak preach?

OR

Write a short note on the philosophy of Sant Kabir.

2. What are the main features of the troposphere?
3. What are the discretionary powers of a Governor?

OR

What are the steps involved in the process of a bill becoming an act?

**Q5. On a political map of India, locate the following kingdom in specific states:**

1. Palas
2. Kanauj
3. Tanjore
4. Chola
5. Chauhan

**Q6. Draw a neat and labelled diagram of the following:**

1. Layers of the Earth
2. Components of Volcano

## **SCIENCE**

**Choose the correct option:**

Q1. You are provided with three unknown solutions labelled A, B, and C, but you do not know which of these are acidic, basic, or neutral. Upon adding a few drops of red litmus solution to solution A, it turns blue. When a few drops of turmeric solution are added to solution B, it turns red. Finally, after adding a few drops of red rose extract to solution C, it turns green. Based on the observations, which of the following is the correct sequence for the nature of solutions A, B, and C?

- (a) Acidic, acidic, and acidic
- (b) Neutral, basic, and basic
- (c) Basic, basic, and acidic
- (d) Basic, basic, and basic

Q2. Which of these activities represents a neutralisation reaction in everyday life.

- (a) Meditation before going to bed.
- (b) Drinking of water after consumption of food.
- (c) Exercise in the morning with an empty stomach.
- (d) Consumption of milk of magnesia during indigestion.

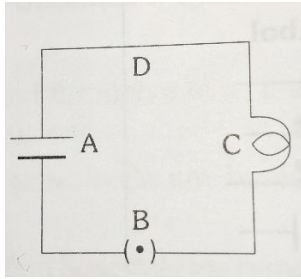
Q3. A scientist tests a soil sample from an uncultivated field and concludes that the soil is highly basic in nature. She suggests that adding organic matter on the soil could improve the quality of the soil. How does organic matter improve the quality of soil?

- (a) It releases acids which neutralises the soil.
- (b) It traps water vapour and increases the moisture content.
- (c) It makes the soil lighter so that it can be easily transported.
- (d) It acts as food for the organisms already present in the soil

Q4. In an electric circuit current starts from the

- |                                 |                              |
|---------------------------------|------------------------------|
| (a) Positive terminal           | (c) Negative terminal        |
| (b) Either of the two terminals | (d) Depends upon the circuit |

Q5. In the given electric circuit, B represents



- (a) Cell
- (b) Key
- (c) Bulb
- (d) Resistor

Q6. What does an open circuit indicate?

- (a) The switch is ON and current is flowing through the circuit.
- (b) The switch is OFF, and no current is flowing through the circuit.
- (c) Switch is OFF and current is flowing through the circuit.
- (d) None of the above

Q7. Which of the following is a good conductor of electricity?

- (a) Human body
- (b) Wooden stick
- (c) Iron coin
- (d) Air

Q8. A circuit diagram shows a cell, a bulb, and wires, but no switch. What will happen when this circuit is connected?

- (a) The bulb will blink
- (b) The bulb will not glow
- (c) The bulb will glow continuously
- (d) The cell will turn off

Q10. What happens when a magnesium ribbon burns in air?

- (a) It forms a brown powder.
- (b) It forms a white ash of magnesium oxide.
- (c) It forms a blue flame.
- (d) It forms a black soot.

Q11. Which of the following is an example of a use of non-metal in daily life?

- (a) Iron nail
- (b) Aluminium foil
- (c) Oxygen used for breathing
- (d) Copper wires

Q12. In cold climatic areas that receive a lot of snow, people wear thick coats with woolen inner linings and snow resistant synthetic outer layer. Which property of the materials contributes most to protecting them from the cold?

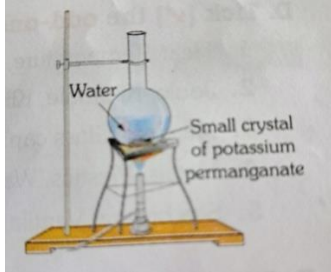
- (a) Inner layer reflects the thermal radiation of the human body.

- (b) Outer layer allows the conduction of heat throughout the coat.
- (c) Outer layer restricts the conduction of cold winds inside the coat.
- (d) Inner layer lets warmth from the body to be trapped within the coat.

Q13. Handles of cooking utensils should be made of a material that:

- (a) Conducts heat well
- (b) Does not conduct heat well
- (c) Radiate heat well
- (d) Does not radiate heat well

Q14. A small crystal of potassium permanganate is placed in a flask containing water and the flask is heated as shown in the figure. The purple-coloured solution rises from the place of heating and moves



up.

This indicates heat transfer by

- (a) Conduction
- (b) Convection
- (c) Radiation
- (d) Both convection and radiation

Q15. The life process/processes that provides/provide energy is/are:

- (a) Nutrition
- (b) Respiration
- (c) Both nutrition and respiration
- (d) Response to stimuli

Q16. Which of these is not necessary for photosynthesis?

- (a) Carbon dioxide
- (b) Chlorophyll
- (c) Light
- (d) Nitrogen

Q17. Which statement correctly explains the process of photosynthesis in plants?

- (a) In the presence of sunlight, chlorophyll uses water and oxygen to produce carbohydrate.
- (b) In the presence of sunlight, chlorophyll uses oxygen and carbon dioxide to produce carbohydrate.
- (c) In the presence of sunlight, Chlorophyll uses water and carbon dioxide to produce carbohydrate.
- (d) In the presence of sunlight, chlorophyll uses water, oxygen, and carbon dioxide to produce carbohydrates.

Q18. A student takes a green leaf from the plant and boils it in an alcohol bath for removal of chlorophyll. After this treatment, the student adds a few drops of iodine to the boiled leaf using a syringe dropper. After some time, the student observes that the leaf turns blue - black in colour. What can be evaluated from this?

- (a) The iodine reacts with the starch present in the leaf that indicates the occurrence of photosynthesis.
- (b) The iodine reacts with water present in the leaf that indicates the occurrence of photosynthesis.
- (c) The iodine reacts with the oxygen present in the leaf that indicates the occurrence of photosynthesis.
- (d) The iodine reacts with carbon dioxide present in the leaf that indicates the occurrence of photosynthesis.

Q19. A student finds that a small iron pipe left outdoors in the sand gets rusted. Which of the following could be an aspect that could prevent rusting?

- (a) Burying the pipe in moist soil
- (b) Painting the surface of the pipe
- (c) Placing the pipe in a salt solution
- (d) Placing the pipe in a trough of water

Q20. The mode of heat transfer in which no medium is required is called;

- (a) Conduction
- (b) Convection
- (c) Radiation
- (d) Evaporation

**Answer the following questions:**

Q1. If the factory waste is acidic in nature, what could be done to save the fish in the lake?

Q2. Manya is blindfolded. She is given two unknown solutions to test and determine whether they are acidic or basic. Which indicator should Manya use to test the solutions and why?

Q3. Three liquids are given to you. One is vinegar, another is a baking soda solution, and the third is a sugar solution. Can you identify them only using turmeric paper? Explain.

Q4. Seema does not have a night lamp in her room. She covered the bulb of her room with a towel in the night to get dim light. Has she taken the right step? Give one reason to justify your answer.

Q5. Four cells are fixed on a board. Draw lines to indicate how you will connect their terminals with wires to make a battery of four cells.

Q6. Draw in your notebook the symbols to represent the following components of electrical circuits: connecting wires, switch in the 'OFF' position, bulb, cell, switch in the 'ON' position, and battery.

Q7. Which property is related to metals like those used in ghungroos? Explain.

Q8. You are given five materials: a copper wire, a plastic ruler, an iron nail, a piece of coal, and aluminium foil. If each of these is connected in a simple electric circuit one at a time, in which cases will the bulb light up, and in which cases will it not?

Q9. Draw diagrams to show:

- a) Land Breeze
- b) Sea Breeze
- c) Water Cycle
- d) Convection currents
- e) Seepage in water

Q10. How do the plants having red and brown coloured leaves photosynthesise?

Q11. Differentiate between transpiration and translocation.

Q12. "Respiration is reverse of Photosynthesis", explain.

Q13. Match the columns and choose the correct options given below.

| Column I      | Column II                                                     |
|---------------|---------------------------------------------------------------|
| (a) Conductor | (i) Used to break or complete a circuit                       |
| (b) Insulator | (ii) Material that allows an electric current to pass through |
| (c) Switch    | (iii) A device that lights up when electricity flows          |
| (d) Bulb      | (iv) A source of electric current                             |



|          |                                                                   |
|----------|-------------------------------------------------------------------|
| (e) Cell | (v) Material that does not allow electric current to pass through |
|----------|-------------------------------------------------------------------|

Q14. Match Column I with Column II.

| Column I (Element) | Column II (Uses)                                  |
|--------------------|---------------------------------------------------|
| (a) Sulphur        | (i) Used in the construction of buildings         |
| (b) Iodine         | (ii) Used in fireworks                            |
| (c) Iron           | (iii) Used in making pencil lead                  |
| (d) Zinc           | (iv) Used as an antiseptic                        |
| (e) Carbon         | (v) Used in making jewellery                      |
| (f) Mercury        | (vi) Used for galvanising iron to prevent rusting |
| (g) Gold           | (vii) Used in thermometers                        |

Q15. Rani, a curious Class 7 student, performed an experiment to understand how rusting happens. She took three clean iron nails and placed them in three different bottles, each with a different condition:

Bottle A: Contained dry air only with silica gel to absorb moisture.

Bottle B: Contained boiled water, covered with a thin layer of oil.

Bottle C: Contained tap water and was left open to air.

After 7 days, she observed that only the nail in Bottle C had developed a brown, flaky coating, while the nails in Bottles A and B remained shiny.

(i) What conclusion can you draw from the rusting observed in Bottle C only?

- (a) Iron rusts only in dry air.
- (b) Iron rusts in water alone.
- (c) Iron rusts when both air and water are present.
- (d) Iron never rusts in sealed bottles.

(ii) What is the brown substance seen on the iron nail in Bottle C?

- (a) Copper
- (b) Rust
- (c) Sulphur
- (d) Paint

(iii) What role did the oil layer in Bottle B play in the experiment?

- (a) It helped the nail float in the water.
- (b) It prevented air from entering the water.
- (c) It made the water cool.
- (d) It stopped rust from forming.

# HINDI

## प्रश्न-1 निम्नलिखित प्रश्नों के उत्तर लिखिए-

- क) ध्रुव तारा किसे कहा गया है ?
- ख) मूर्ख व्यक्ति किस प्रकार बुद्धिमान बन सकता है ?
- ग) सुखिया को अपना घर छोटा क्यों लगने लगा था ?
- घ) किस प्रकार के सपने हमारी नींद उड़ाते हैं ?
- ङ) बाबा भारती को कैसी भ्रान्ति हो गई थी ?

## प्रश्न-2 निम्नलिखित शब्दों के अर्थ लिखिए-

प्रयोजन , कंगले , भरमाते , वाँचना , टेकड़ी , उम्दा , पौन , कसूर

## प्रश्न-3 निम्नलिखित शब्दों के तत्सम रूप लिखिए-

आँख , पैर , नींद , सोने , नए , सच

## प्रश्न-4 निम्नलिखित काव्यांश को पढ़कर पूछे गए प्रश्नों के उत्तर लिखिए-

खुली आँख के सपने ही तो,

नींद उड़ाते हैं।

क्या सपने देखने से ही,

सपने सच हो जाते हैं ?

सपनों में आकर विचारों की,

होती ताका-झाँकी।

सपनों में ही नए ज्ञान की ,

पुस्तक बाँची जाती।।

क) उपर्युक्त गद्यांश के कवि का नाम लिखिए।

ख) किस प्रकार के सपने हमारी नींद उड़ाते हैं ?

ग) 'क्या सपने देखने से सच हो जाते हैं ?' इस पंक्ति का आशय स्पष्ट कीजिए।

घ) नए ज्ञान की पुस्तक कहाँ पढ़ी जाती है ?

## प्रश्न-5 निम्नलिखित दोहों के अर्थ लिखिए-

क) करत- करत अभ्यास के, जड़मति होत सुजान।

रसरी आवत जात तै, सिल पर परत निसान।।

ख) करै बुराई सुख चाहै, कैसे पावै कोइ।

रोपै बिरबा आक कौ, आम कहाँ ते होइ।।

**प्रश्न-6क) निम्नलिखित विषय पर अनुच्छेद लिखिए-**

वृक्षारोपण-एक दायित्व

संकेत बिंदु - वृक्षारोपण का अर्थ, महत्त्व, वृक्ष के बिना धरती का स्वरूप, दुष्परिणाम

ख) अपने क्षेत्र में बढ़ते अपराधों की समस्या बताते हुए थानाध्यक्ष को पत्र लिखिए।

**प्रश्न-7क) निम्न शब्दों के शुद्ध रूप लिखिए-**

समाजिक, साधू, श्रंगार, क्रपा, व्रत, रौशनी, परिक्षा, बिमारी, तलाब, प्रभू

ख) निम्न मुहावरों के अर्थ लिखकर वाक्य बनाइए-

आपे से बाहर होना, आसमान से बातें करना, आँखें बिछाना, ईद का चाँद होना, उन्नीस- बीस का अंतर।

**प्रश्न-8क) रचना के आधार पर क्रिया के कितने भेद होते हैं? केवल नाम लिखिए।**

ख) भूतकाल के कितने भेद होते हैं?

**प्रश्न-9 दीर्घ और गुण संधि की परिभाषा उदाहरण सहित लिखिए।**

**प्रश्न-10क) निम्न शब्दों के विलोम शब्द लिखिए-**

आय, अल्पायु, आसान, उदास, उपयोगी, नवीन, निंदा, निर्मल

ख) निम्न शब्दों के दो-दो पर्यायवाची शब्द लिखिए-

अंग, असुर, ईश्वर, उपवन, कन्या, कृषक, किरण, गणेश

ग) निम्न वाक्यांशों के लिए एक शब्द लिखिए-

अधिक खर्च करने वाला

आकाश को छूने वाला

जो दिखाई न दे।

कम खर्च करने वाला

जहाँ पहुँचा न जा सके

जो जीता न जा सके

# SANSKRIT

## प्रश्न-1 निम्नलिखित प्रश्नों के उत्तर लिखिए-

- क) अस्माकं देशः कः अस्ति ?
- ख) कथं वयं धन्याः ?
- ग) कलासु का कला आदिमा ?
- घ) पञ्चलोकनृत्यानां नामानि लिखत।
- ङ) कथं नृत्यस्य प्रसारः कदा अभवत् ?

## प्रश्न-2 निम्नलिखित शब्दों के अर्थ लिखिए-

जनकः , क्षिप्रं , तव , हन्त , अपवर्ग , सुप्तः , प्रस्फुटं , बहुशः

## प्रश्न-3 रिक्त स्थानों की पूर्ति कीजिए-

- क) सत्वरं आगच्छत \_\_\_\_\_ च रक्षत।
- ख) भारतस्य कीर्तिः \_\_\_\_\_।
- ग) हिमालयः \_\_\_\_\_ अस्ति।
- घ) अहमपि तव \_\_\_\_\_ करिष्यामि।
- ङ) श्रीकृष्णस्य \_\_\_\_\_ अस्य आधारः।

## प्रश्न-4 धातु व प्रत्यय जोड़कर लिखिए-

- क) भू + क्त्वा
- ख) कृ + क्त्वा
- ग) आ + नी + ल्यप्
- घ) वि + हस् + ल्यप्
- ङ) आ + दा + ल्यप्

## प्रश्न-5 निम्नलिखित वाक्यों का हिंदी अर्थ लिखिए-

- क) गिरीशस्य माता चन्दनेन तिलकं करोति।
- ख) इंटरनेटमाध्यमेन किं भवति ?
- ग) अस्माकं देशः भारतः अस्ति।
- घ) एकस्मिन् वने एकः सिंहः वसति स्म।
- ङ) नृत्यस्य द्वौ प्रकारौ स्तः।

**प्रश्न-6 निम्नलिखित शब्दों की विभक्ति व वचन बताइए-**

रविणा , साक्षरः , पवनं , उत्सवेषु , अभिव्यक्तिः , नृत्यानि

**प्रश्न-7 निम्नलिखित में मेलन कार्य कीजिए-**

वस्त्राणि            परिणामः

दुःखदः            क्षालयन्ति

शस्यैः            एकता

अनेकतायां      श्यामला

गर्जनं            अस्मि

प्रसन्नः            आकर्ष्य

**प्रश्न-8 निम्न संख्याओं को संस्कृत में लिखिए-**

4 , 7 , 9 , 10 , 12 , 15 , 17 , 20

**प्रश्न-9 क) निम्नलिखित धातुओं के निर्देशानुसार रूप लिखिए-**

i) गम् धातु - लट् लकार -प्रथम व उत्तम पुरुष -तीनों वचन

ii) भू धातु - लोट् , लङ् लकार -मध्यम व उत्तम पुरुष -तीनों वचन

iii) गम् धातु - लङ् लकार -प्रथम व मध्यम पुरुष -तीनों वचन

**ख) निम्नलिखित शब्दों के निर्देशानुसार रूप लिखिए-**

i) बालिका शब्द - द्वितीया व तृतीया विभक्ति

ii) मुनि शब्द - चतुर्थी व पञ्चमी विभक्ति

**प्रश्न-10 किन्हीं दस पक्षियों के नाम संस्कृत व हिंदी में लिखिए-**

## **COMPUTER**

**1. Fill in the blanks: -**

**(1 X 3= 3 Marks)**

- a) In a positional number system, there are some symbols called \_\_\_\_\_.
- b) \_\_\_\_\_ tool is used to select the groups of similarly colored pixels.
- c) Every time we surf the Internet, we leave a trail behind, known as \_\_\_\_\_.

**2. Write true or false: -**

**(1 X 3 = 3 Marks)**

- a) Binary number system has base 2.
- b) Crop tool is used to change the magnification of the desired part of an image.
- c) We should click on 'yes' when our web browser asks to remember the password.

**3. Multiple Choice Question: -**

**(1 X 4 = 4 Marks)**

- a) The base 16 number system is \_\_\_\_\_
  - (i) 0 to 9
  - (ii) 0 and 1
  - (iii) 0 to 7
- b) GIMP is developed under \_\_\_\_\_ on UNIX platform.
  - (i) Microsoft
  - (ii) X11
  - (iii) Adobe
- c) \_\_\_\_\_ are the programs which are created deliberately to damage data.

- (i) Virus                      (ii) Junk                      (iii) Cookie  
d) \_\_\_\_\_ is a harassment that takes place using technology.  
(i) Cyberbullying                      (ii) Vulnerability                      (iii) Pop-up Ad

**4. Answer the following: - (1 X 4 = 4 marks)**

- What is Decimal Number System?
- What is the use of color balance in GIMP?
- What is hacking?
- What are the precautions for spam?

**5. Answer the following: - (2 X 4 = 8 marks)**

- Differentiate between Bits and Bytes.
- What are filters? Why do we use RGB Noise filter?
- What is Spyware?
- What is Phishing?

**6. Convert the following: (1 X 4 = 4 marks)**

- Convert Decimal  $(25)_{10}$  to its Binary equivalent.
- Convert Binary  $(1111)_2$  to its Decimal equivalent.
- Convert Decimal  $(70)_{10}$  to its Octal equivalent.
- Convert Decimal  $(330)_{10}$  to its Hexadecimal equivalent.

**7. Draw the following diagram: -**

- Social Engineering (2)
- Perspective tool (1)
- Crop tool (1)

**GK**

A completely blind animal having extraordinary sense of using chemical and electrical signals in its brain, sent by the receptors in its body \_\_\_\_\_.

- It is a native of the Equador, Colombia and Peru. It has green skin like turtle's shell. Its taste has a combination of banana, mangoes, strawberry, pineapple, papaya and, coconut \_\_\_\_\_.
- This animal has a parrot like beak. It is found on the seabed. Its female is larger than its male one \_\_\_\_ octopus.
- This animal is discovered in 2012 in Madagascar Islands. Its name is\_\_\_\_\_.
- What is the name of the glacier that is in Uttarkashi district in Uttarakhand? This glacier is the source of the holy river the Ganga.
- Which one is the brightest known objects in the Universe?
- Who has written the book "A passage to England"?
- Which is the highest military decoration in India?
- What is the full form of  
(i) SAARC    (iii) IRBM    (iii) FIPB    (iv) DNA
- Draw the flags of following countries:-  
(i) Samoa    (ii) Mauritius    (iii) Liechtenstein    (iv) Grenada

# VALUE EDUCATION

## **I. Fill in the blanks:**

1. "No sir, I am not \_\_\_\_\_ to receive your gift."
2. The fleet was ready to battle, opposite to \_\_\_\_\_.
3. Teacher will be more pleased if we give her \_\_\_\_\_ gifts.
4. It creates an \_\_\_\_\_ for the birds immediately following.

## **II. Who said the following:**

1. "There is a destiny which makes us brothers and sisters; none goes his/her way alone."
2. "Talent wins games, but teamwork and intelligence win championships".
3. When a family is destroyed, the eternal laws of the family perish.

## **III. Answer the following:**

1. How a mature person cultivates?
2. What danger parents possess from their kids?
3. What is teamwork? Explain it with examples from the chapter.
4. What is Generation gap?

## **IV. Draw a poster of an ideal community and describe it.**