

**HOLIDAY HOMEWORK**  
**(2019-20)**

**CLASS IX**

**GENERAL INSTRUCTIONS:**

The holiday homework has been categorized into the following three parts. You are required to attempt all the three and submit in folder.

- A. One innovative and creative project based on formative assessment.
- B. Practice assignment based on syllabus covered during month of April - May.
- C. One activity based on international theme.

**MATHS**

**A. PROJECT**

Make a power point presentation to suggest ideas for making your dream city smart by using mathematical solutions. You are required to write the use of each mathematical concept used to make the city smart.

For example: to resolve the problem of parking make designs of parking lot of a mall for maximum utilisation of space. By mathematical modelling give a solution to the problem of parking in a mall.

Support the presentation with pictures and detailed illustration in maximum 500 words.

Present the project report in a neatly bound simple folder.

Time required: ½ Hrs. x 5 days



## B. ASSIGNMENT

Tick the correct answer (MCQ):-

- Decimal representation of a rational number cannot be
  - terminating
  - non terminating
  - non-terminating repeating
  - non-terminating non-repeating
- Value of  $(256)^{0.16} \times (256)^{0.09}$  is
  - 4
  - 16
  - 64
  - 256.25
- The value of  $\frac{\sqrt{32} + \sqrt{48}}{\sqrt{8} + \sqrt{12}}$  is equal to
  - $\sqrt{2}$
  - 2
  - 4
  - 8
- Degree of the polynomial  $4x^4 + 0x^3 + 0x^5 + 5x + 7$  is
  - 4
  - 5
  - 3
  - 7
- $x + 1$  is a factor of the polynomial
  - $x^3 + x^2 - x + 1$
  - $x^3 + x^2 + x + 1$
  - $x^4 + x^3 + x^2 + 1$
  - $x^4 + 3x^3 + 3x^2 + x + 1$
- If  $x^{51} + 51$  is divided by  $x + 1$ , the remainder is
  - 0
  - 1
  - 49
  - 50
- The perpendicular distance of the point P(3,4) from the y-axis is
  - 3
  - 4
  - 5
  - 7
- The points whose abscissa and ordinate have different signs will lie in
  - I and II quadrants
  - II and III quadrants
  - I and III quadrants
  - II and IV quadrants
- The angles of a triangle are in the ratio 5 : 3 : 7 . The triangle is
  - an acute angled triangle
  - an obtuse angled triangle
  - a right triangle
  - an isosceles triangle
- If one of the angles of a triangle is  $130^\circ$ , then the angle between the bisectors of the other two angles can be
  - $50^\circ$
  - $65^\circ$
  - $145^\circ$
  - $155^\circ$

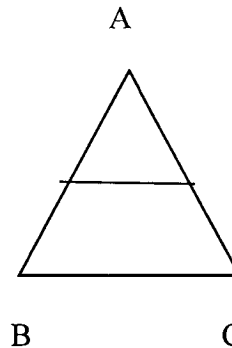
**Short answer type questions (Type I)**

Q1. Plot  $(-3,0)$ ,  $(5,0)$  and  $(0, 4)$  on Cartesian plane. Name the figure formed by joining these points and find its area.

Q2. Find the value of  $k$ , for which the polynomial  $x^3 - 3x^2 + 3x + k$  has 3 as its zero.

Q3. Find the measure of an angle, if eight times its complement is  $20^\circ$  less than three times its supplement.

Q4. In the given figure,  $DE \parallel BC$ . Find the value of  $\angle BAC$ .



$\angle EDC = 27^\circ$ ,  $\angle DCE = 23^\circ$ ,  $\angle ABC = 62^\circ$

Q5. Without finding the cubes, factorise:

$(2r - 3s)^3 + (3s - 5t)^3 + (5t - 2r)^3$

**Short answer type questions (Type II)**

Q1. Show that  $1.272727\dots = 1.\overline{27}$  can be expressed in the form  $p/q$ , where  $p$  and  $q$  are integers and  $q \neq 0$ .

Q2. Recall,  $\pi$  is defined as the ratio of the circumference (say  $c$ ) of a circle to its diameter (say  $d$ ). That is  $\pi = c/d$ . This seems to contradict the fact that  $\pi$  is irrational. How will you resolve this contradiction?

Q3. Simplify:-      b)  $\frac{1}{1+\sqrt{2}} + \frac{1}{\sqrt{2}+\sqrt{3}} + \frac{1}{\sqrt{3}+\sqrt{4}} + \frac{1}{\sqrt{4}+\sqrt{5}} + \frac{1}{\sqrt{5}+\sqrt{6}}$

Q4. . If both  $x - 2$  and  $x - \frac{1}{2}$  are factors of  $px^2 + 5x + r$ , show that  $p = r$ .

Q5. Find the coordinates of a point which

- (i) lies on x-axis and is at a distance of 2 units to the left of origin.
- (ii) lies on the y-axis and is at a distance of 4 units above origin.
- (iii) lies in the second quadrant at a distance of 3 units from x-axis and 2 units from y-axis.

**Long answer type question:-**

Q1. If  $\frac{\sqrt{3} - \sqrt{5}}{3\sqrt{3} + 2\sqrt{5}} = a + b\sqrt{15}$  where  $a$  and  $b$  are rational numbers, find the values of  $a$  and  $b$ .

Q2. If  $x = \frac{\sqrt{a+2b} - \sqrt{a-2b}}{\sqrt{a+2b} + \sqrt{a-2b}}$ , prove that  $bx^2 - ax + b = 0$

## GENERAL SCIENCE

### A. PROJECT

#### E- Waste Management

The electronic industry is the world's largest and fastest growing manufacturing industry in the world. E-waste is a valuable source for secondary raw material but harmful if treated and discarded improperly as it contains many toxic components such as lead, cadmium, mercury, polychlorinated biphenyls etc.

- Find out the types and sources of e-waste in India.
- Develop a methodology for environmentally sound management of e-waste.
- Also mention the levels of e-waste treatment that are based on material flow.
- Share your ideas about E-Recycling.

**Submit a write-up of about 500 words. Present the project report in a neatly bound simple folder.**

Time required: ½ Hrs. x 5 days

### B. ASSIGNMENT

#### PHYSICS

#### Q1. Choose the correct option (MCQ):

1. A particle is moving in a circular path of radius  $r$ . The displacement after half a circle would be:
  - a. 0
  - b.  $\pi r$
  - c.  $2r$
  - d.  $2\pi r$
2. The numerical ratio of displacement to distance for a moving object is:
  - a. Always less than 1
  - b. Equal to 1 or more than 1
  - c. Always more than 1
  - d. Equal to 1 or less than 1
3. The speed of a moving object is determined to be 0.06 m/s. this speed is equal to:
  - a. 2.16 km/h
  - b. 1.08 km/h
  - c. 0.216 km/h
  - d. 0.0216 km/h

4. One of the following is not a vector quantity. This one is:
  - a. Displacement
  - b. Speed
  - c. Acceleration
  - d. Velocity
5. Which of the following could not be a unit of speed?
  - a. Km/h
  - b. s/m
  - c. m/s
  - d. mm/s
6. When a car driver travelling at a speed of 10 m/s applies brakes and brings the car to rest in 20s, then retardation will be:
  - a.  $+2 \text{ m/s}^2$
  - b.  $-2 \text{ m/s}^2$
  - c.  $+0.5 \text{ m/s}^2$
  - d.  $-0.5 \text{ m/s}^2$
7. The slope of a speed-time graph gives:
  - a. Distance travelled
  - b. Velocity
  - c. Acceleration
  - d. Displacement
8. A bus increases its speed from 36kmph to 72kmph in 10s. its acceleration is:
  - a.  $5 \text{ m/s}^2$
  - b.  $2 \text{ m/s}^2$
  - c.  $3.6 \text{ m/s}^2$
  - d.  $1 \text{ m/s}^2$
9. If the displacement of an object is proportional to the square of time, then the object is moving with:
  - a. Uniform velocity
  - b. Uniform acceleration
  - c. Increasing acceleration
  - d. Decreasing acceleration
10. A motorcycle is being driven at a speed of 20 m/s when brakes are applied to bring it to rest in five seconds. The deceleration produced in this case will be:
  - a.  $+4 \text{ m/s}^2$
  - b.  $-4 \text{ m/s}^2$
  - c.  $+0.25 \text{ m/s}^2$
  - d.  $-0.25 \text{ m/s}^2$

**Q2. Very short answer type questions:**

1. What name is given to speed in a specified direction?
2. Give two examples of bodies having non-uniform motion.

3. What do the following measure in a car: speedometer, odometer.
4. What changes continuously in uniform circular motion?
5. Name the type of motion in which a body has constant speed but not constant velocity.

**Q3. Short answer type questions:**

1. State whether speed is a scalar or vector quantity. Give reason for your answer.
2. A snail covers a distance of 100m in 50 hours. Calculate the average speed of the snail in km/h.
3. What type of motion is exhibited by a freely falling body? Give reasons for your answer.
4. What is the difference between uniform linear motion and uniform circular motion?
5. A cheetah starts from rest and accelerates at  $2 \text{ m/s}^2$  for 10 seconds. Calculate the final velocity and the distance travelled.

**Q4. Long answer type questions:**

1. Derive the second equation of motion, graphically.
2. The distance between Delhi and Agra is 200 km. a train travels the first 100 km at a speed of 50 km/h. how fast must the train travel the next 100 km, so as to average 70 km/h for the whole journey?

**Q5. Derive the three equations of motion (graphically) on a chart paper.**

**CHEMISTRY**

**1. Multiple Choice Questions:**

- a. Which of the following compounds will undergo sublimation?  
i) Common salt ii) Camphor iii) Sugar iv) Sand
- b. In which of the following substances are the inter-particle forces of attraction the strongest?  
i) Sodium chloride ii) Glycerine iii) Ethyl Alcohol iv) Carbon Dioxide
- c. Which of the following statements is incorrect?  
i) Sublimation involves direct conversion of a gas into the solid state  
ii) Evaporation is a surface phenomenon  
iii) Boiling is a bulk phenomenon  
iv) None of the above
- d. A gas can be best liquified by:  
i) lowering the temperature ii) increasing the temperature  
iii) increasing the pressure iv) increasing the pressure and lowering the temperature
- e. Which of the following is most suitable for summer?  
i) Cotton ii) Nylon iii) Polyester iv) Silk

- f. Which of the following does not affect rate of evaporation?  
i) Wind speed ii) Surface area iii) Temperature iv) Insoluble heavy impurities

2. **Very short answer questions**

- Why does a balloon kept in sunlight burst after sometime?
- Which property of gases is used to supply oxygen cylinders to hospitals?
- Why is the Kelvin scale regarded as a better scale of temperature than the Celsius scale?
- Out of honey and ink, which will diffuse faster and why?
- Why is water at room temperature a liquid?

3. **Give reasons**

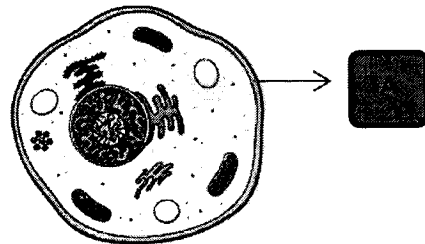
- Ice floats on water.
- A gas completely fills the vessel in which it is kept.
- Wet clothes do not dry easily on a rainy day.

4. **Long answer questions**

- Why does the temperature of a substance remain constant during boiling or melting?
- What is evaporation? How does it differ from boiling? Discuss the various factors which influence evaporation?

**BIOLOGY**

- Name two major functional regions of a cell.
- Every multi-cellular organism has come from a single cell. How?
- Who discovered the nucleus in the cell?
- Why is the plasma membrane called a selectively permeable membrane?
- Who presented the cell theory for the first time? What was it?
- What will happen if the organisation of a cell is damaged due to certain physical or chemical reasons?
- Explain the terms. a) Endocytosis b) Plasmolysis
- Write any four differences between the plasma membrane and cell wall.
- a) Name the labelled part (A).  
b) What is its chemical composition.  
c) Why is it known as the selectively permeable?



10. a) Draw a diagram of a prokaryotic cell and label the given parts: i) cell wall ii) nucleoid iii) ribosomes.  
b) Complete the given table illustrating the differences between the prokaryotic and eukaryotic cells.
11. How will you relate nucleus with DNA?
12. What are the tenets of cell theory?
13. Is an elephant cell longer than the cell of a rat? Why?
14. If the nucleus is removed from the cell what will happen to the cell?
15. Name the cell organelle that is found only in animal cell.
16. What substances form cell membrane and cell wall?
17. Name two-cell organelles, which have DNA apart from nucleus.
18. Why is the cell called the structural and functional unit of life?
19. Who discovered free-living cells and how?
20. Write the technical term for the following: i. An organism whose body consists of many cells. ii. Sum total of chemical processes taking place in a cell.
21. Define- a) Diffusion b) Osmosis
22. When and how the cells were discovered?
23. Write one functions of each of the following cell organelles. a) Plasma membrane b) Mitochondria c) Lysosomes d) Endoplasmic reticulum e) Vacuoles
- 24.a) What is the name given to the thread shaped structures in the nucleus? Why is it important? b) Draw a diagram of the nucleus to show the given parts: i) nucleolus ii) nuclear pore iii) nuclear envelope
25. Explain why do the smaller cells have better efficiency?
26. How do the new cells arise from the pre existing cells?
27. Write the main functions of a vacuole.
28. What are the differences between cell wall and cell membrane?



## SOCIAL SCIENCE

### A. PROJECT

Observe poor people around you (your household help, driver, etc.). Find out the following:

- Which social and economic group do they belong to
- What is their monthly income
- What is their daily diet (calorific consumption)
- What level of education have they received?
- What suggestions can you give to improve their situation?

### Guidelines:

- Mention clearly the questions of the questionnaire. (if used)
- The total length of the project report will not be more than 10 written A4 pages of full scape size.
- The project report will be handwritten and credit will be awarded to original drawings, illustrations and creative use of materials.
- The project report will be presented in a neatly bound simple folder.

### Format:

The project report will be developed and presented in this order

- Cover page showing project title(Survey on Human Resource around me etc), student information, school and year
- List of contents with page numbers.
- Acknowledgements (acknowledging the institution, offices and libraries visited and persons who have helped).
- Project Overview : Purpose, Aim, Methodology and experiences while doing the project.
- Main Project work: (Answers to the questions posed above)
- Summary and conclusions based on findings.
- Appendix: attach all filled questionnaires.
- Bibliography: should have the Title, pages referred, author, publisher, year of publication and if a website the name of the website with the specific website link which has been used.
- Time required: ½ Hrs. x 7 days

## B. ASSIGNMENT

### HISTORY/ CIVICS

#### Multiple choice questions (MCQ)

1. When Louis XVI ascended the throne of France?
  - (i) 1773
  - (ii) 1774
  - (iii) 1775
  - (iv) 1776
2. The word livres stands for :
  - (i) unit of currency in France
  - (ii) A tax to be paid directly to the state
  - (iii) A tax levied by the Church
  - (iv) none of these
3. Which patriotic song sung by the army in the war against Prussia and Austria?
  - (i) Çaira
  - (ii) Marseillaise
  - (iii) Le Réveil du Peuple
  - (iv) Hymne du 21 janvier
4. When did Bastille was demolished?
  - (i) 14th July, 1789
  - (ii) 5th May 1789
  - (iii) 20th June 1789
  - (iv) 26th August 1789
5. What was 'Estates General'?
  - (i) Head of the Army
  - (ii) A political body
  - (iii) Persons of high rank in state administration
  - (iv) Head of Chruch
6. Name of the book written by John Locke.
  - (i) Two Treatises on Government
  - (ii) The Spirit of the Laws
  - (iii) The Social Contract
  - (iv) None of the Above

7. What did the term 'Old Regime' mean?

- (i) History of France before 1789 A.D.
- (ii) Administration of France before 1789 A.D.
- (iii) Society and institutions of France before 1789 A.D.
- (iv) None of the above

8. When did Louis XVI call an assembly of Estates General to pass proposals for new taxes?

- (i) 14th July, 1789
- (ii) 5th May 1789
- (iii) 20th June 1789
- (iv) 4th August 1789

9. The Constitution of 1791 given power to make laws to whom?

- (i) Convention
- (ii) National Assembly
- (iii) Directory
- (iv) Clergy and Nobility

10. The word 'Taille' stands for:

- (i) It is a tax paid directly to the state by the third state
- (ii) It is a tax paid directly to the church by the third state
- (iii) It is a tax paid directly to the state by the Nobility
- (iv) It is a tax paid directly to the state by the Clergy

### SHORT ANSWER QUESTIONS

- 1 Mention any two incidents that took place soon after storming of Bastille.
- 2 What was Subsistence crisis?
- 3 Name any two philosophers of the French revolution.
- 4 Name the party that has been winning elections since independence in Mexico.
- 5 Name the leader of the political party of Zimbabwe.

### ANSWER THE FOLLOWING IN ABOUT 30 WORDS EACH

- 1 Explain the role played by the philosophers in the French Revolution
2. Which groups of French society benefited from the revolution? Which groups were forced to relinquish power?
- 3 'Rule of Law and Respect for Rights' is an important feature of a democratic government. Justify the statement by giving example.
4. Mention arguments for democracy.
5. Describe any three features of democracy.

## LONG ANSWER QUESTIONS

- 1 Mention the arguments against democracy.
- 2 Describe the circumstances leading to the outbreak of revolutionary protest in France

## GEOGRAPHY

### **Q1. Answer the following questions in not more than 30 words (1 mark):**

- a. What is the time difference between IST and GMT?
- b. In which direction does the latitudinal extent influence the duration of day and night?
- c. Name two Indian states that share land boundary with Nepal.
- d. Name two island neighbours of India.
- e. What do we call a narrow channel of sea which separates two land masses?
- f. Which part of Himalayas is located between Kali and Satluj rivers?
- g. What is Bhabar?
- h. Name the highest peak of Western Ghats.
- i. Which physical feature of India is known as Granaries of the country?

### **Q2. Answer the following questions in 30-80 words (3 marks):**

- a. How is Suez Canal beneficial to India?
- b. Why India is called a sub-continent?
- c. Explain the advantages of India's vast coastline.
- d. Despite of two hour difference between Gujarat and Arunachal Pradesh, watches show the same time. Why?
- e. India's land routes are older than its maritime routes. Why?
- f. Differentiate between Western Ghats and Eastern Ghats.
- g. What is geosyncline? What is the result of the upliftment of the sediments in the geosyncline?
- h. Why are the Shiwalik ranges prone to landslides and earthquakes?
- i. Explain the four relief features of the northern plains.
- j. How was the peninsular plateau formed? Name two broad divisions of the plateau.

### **Q3. Answer the following questions in 200-300 words (5 marks):**

- a. "The physiographic divisions of India are complementary to each other." Justify.
- b. What is the significance of India's central location?

## ECONOMICS

### THE STORY OF VILLAGE PALAMPUR

1. What are the four requirements for the production of goods and services?
2. What is the importance of land in production?
3. What is human capital? Why is human capital necessary for production of goods and services?
4. This picture shows a factory with several workers and heavy machines  
Which factors of production can you identify from this picture?
5. In what ways can land under cultivation be increased in a place like Palampur?
6. Name the working capitals required by the farmer who uses modern farming methods.
7. 'The Green Revolution has been a boon to the farmers and the country. Yet it has some negative aspects.' What are some of the negative aspects of the Green Revolution?
8. Even though chemical fertilizers have given a boost to crop production, in the long run they have led to disastrous effects on land. Explain the statement with examples.
9. What kind of farmers does Palampur have?
10. Where does Palampur get its labour from?
11. What kind of labour is occupied in the cultivation of most of the land?
12. Where does the capital needed for farming come from?
13. The given graph shows you the distribution of farmers and cultivated area. Answer the following questions
  - i) How much is the land cultivated by small farmers?
  - ii) From the pie diagram what is your observation?
14. Farmers sell the surplus produce in the markets. For what do they utilize the capital that they earn from their sales?
15. How does an allied activity like dairy farming help the farmers?
16. What kind of small scale manufacturing activities are common in villages?

## ENGLISH

### A. PROJECT

Radio Broadcasts:

Create a script for a radio program covering any appropriate cause of social concern involving the society. The programme should have an interview, an advertisement and the narration of the RJ. (Size A4 of minimum 7-8 pages in a file).

**OR**

The Police of your city need a poster to raise public awareness on the increase in the number of cases of violence against women. Draft a poster highlighting:

- an alarming increase in the number of cases of crime against women
- what women in particular and public in general can do to check such crimes?

What steps police has taken to ensure safety of women in public places.

**Present the project report in a neatly bound simple folder.**

Time required: ½ Hrs. x 7 days

### B. ASSIGNMENT

**VERY SHORT ANSWER TYPE**

MCQs on Active and Passive Voice

1. He did not give up fight even though he was badly bruised.

- A. The fight did not give up by him even though he was badly bruised.
- B. The fight had not given up by him even though he was badly bruised.
- C. The fight was not given up by him even though he was badly bruised.
- D. The fight was not being given up by him even though he was badly bruised.

2. We should avoid tranquilizer in order to have a good health.

- A. Tranquilizer should avoided by us in order to have good health.
- B. Tranquilizer should been avoided by us in order to have a good health.
- C. Tranquilizer should be avoid by us in order to have a good health.
- D. Tranquilizer should be avoided by us in order to have a good health.

3. His wife upbraided him for his irresponsible handling of family finance.
- A. He upbraided by his wife for his irresponsible handling of the family finance.  
 B. He was upbraided by his wife for his irresponsible handling of the family finance.  
 C. He has upbraided by his wife for his irresponsible handling of the family finance.  
 D. He were upbraided by his wife for his irresponsible handling of the family finance.
4. She never understood me, whenever I said something.
- A. Whenever I said something, I never understood by her.  
 B. Whenever I said something, I had never understood by her.  
 C. Whenever I said something, I was being never understood by her.  
 D. Whenever I said something, I was never understood by her.
5. When I am alone, I hear footsteps of my friend in my imagination.
- A. The footsteps of my friend heard by me, when I am alone.  
 B. The footsteps of my friend is heard by me when I am alone.  
 C. The footsteps of my friend are heard by me when I am alone.  
 D. The footsteps of my friend was heard by me when I am alone.

#### MCQs on Direct Speech and Indirect Speech

1. My mother says, "I was happy in Karachi. I had seen many places when I was a child."
- A. My mother told that she was happy in Karachi, she had been seen many places, when she was a child.  
 B. My mother said that I was happy in Karachi. I had seen many places when I was a child.  
 C. My mother says that she was happy in Karachi. She had been seen many places, when she was a child.  
 D. My mother says that she was happy in Karachi. She had seen many places, when she was a child.
2. One woman said to me, "You should consult a doctor. Do not delay."
- A. One woman said me that I should be consult a doctor. Did not delay.  
 B. One woman told me that I should consulted a doctor. Did not delay.  
 C. One woman suggested me that I should consult a doctor and not to delay.  
 D. One woman requested me that I should been consult a doctor. Do not delay.
3. He said, "I cannot understand your words sister, please repeat for me again."
- A. He said to his sister that he cannot understand her words and want her to repeat for him again.  
 B. He said to his sister that he could not understand her words and wanted her to repeat for him again.  
 C. He said to his sister that he cannot be understand her words and wants her to repeat for him again.  
 D. He said to his sister that I cannot understand her words and what her to repeat for him again.

4. I said, "I do work hard to achieve my dreams".

- A. I said that I did work hard to achieve my dreams.
- B. I said that I do work hard to achieve my dreams.
- C. I said that I had to work hard to achieve my dreams.
- D. I said that I have to work hard to achieve my dreams.

5. He said, "Would that my father was alive today to see my great success!"

- A. He wished that his father had been lived that day to see his great success.
- B. He wishes that his father has been lived that day to see great success.
- C. He wished that his father would have lived that day to see his great success.
- D. He wished that his father alive that day to see his great success.

#### SHORT ANSWER TYPE-1

1. On what date did Margie make an entry in her diary about the real book?(The Fun they had)
2. Why does the poet say, "And that has made all the difference"? (The Road not Taken)
3. What was Evelyn's performance in the audition for the Royal Academy of Music? (The Sound of Music-1)
4. Why did Aurangzeb ban the playing of pungi in his royal residence? (The Sound of Music-2)
5. What should we do about our body and heart?(Wind)

#### SHORT ANSWER TYPE-2

1. "What a waste!" What is Tommy referring to as a 'waste'? Is it really a waste? (The Fun they had)
2. 'The Road Not Taken' is a metaphor of life. Justify this statement. Justify the title. (The Road not Taken)
3. "Everything suddenly looked black". Why does Evelyn say so? (The Sound of Music-1)
4. Who was Ali Bux? Where was he employed and what was his influence on Bismillah Khan? (The Sound of Music-2)
5. What lesson can we learn from the action of the wind on the fire?(Wind)

#### LONG ANSWER TYPE

1. "A child longs for toys, sweets and other things but not at the cost of his parents." Comment. (The Lost Child)
2. Describe Toto's mischief at lunchtime. How did the author's family get rid of Toto in the end? (Adventures of Toto)



## HINDI

1 नोट:- सम्पूर्ण कार्य अभ्यास पुस्तिका में कीजिए।

### परियोजना कार्य:

( आधार पाठ - एवरेस्ट मेरी शिखर यात्रा )

नीचे दिए गए चार प्रमुख ट्रेक क्षेत्रों की सचित्र जानकारी एकत्र करके एक पर्यटन विवरणिका तैयार कीजिए।

- |                             |                             |
|-----------------------------|-----------------------------|
| i) व्यास कुंड ट्रेक         | ii) गंगोत्री - नंदनवन ट्रेक |
| iii) पिंडारी ग्लेशियर ट्रेक | iv) वैली ऑफ फ्लावर ट्रेक    |

### बहुविकल्पीय प्रश्न

- प्र०1 'दुर्भाग्य' शब्द में प्रयुक्त उपसर्ग व मूल शब्द होगा -
- |               |                |                 |                |
|---------------|----------------|-----------------|----------------|
| i) दुर, भाग्य | ii) दुर, भाग्य | iii) दुर, भाग्य | iv) दूर, भाग्य |
|---------------|----------------|-----------------|----------------|
- प्र०2 'स्वर्णिम' शब्द में प्रयुक्त मूल शब्द व प्रत्यय होगा -
- |               |               |                 |               |
|---------------|---------------|-----------------|---------------|
| i) स्वर्ण, इम | ii) सवर्ण, इम | iii) सुवर्ण, इम | iv) सवर्ग, इम |
|---------------|---------------|-----------------|---------------|
- प्र०3 नुक्ता नुमा सही शब्द का चुनाव कीजिए -
- |              |               |                |               |
|--------------|---------------|----------------|---------------|
| i) ग्रामोफोन | ii) ग्रामोफोन | iii) ग्रामोफोन | iv) ग्रामोफोन |
|--------------|---------------|----------------|---------------|
- प्र०4 'सौभाग्यवती' शब्द का उचित वर्ण विच्छेद होगा -
- |                                |                                 |                               |                           |
|--------------------------------|---------------------------------|-------------------------------|---------------------------|
| i) स्+औ+भ्+आ+ग्+य्+अ+व्+अ+त्+ई | ii) स्+ओ+भ्+आ+ग्+य्+अ+व्+अ+त्+ई | iii) स+औ+भ्+आ+ग्+य्+अ+व्+त्+ई | iv) स+औ+भ+आ+ग+य+अ+व+अ+त+ई |
|--------------------------------|---------------------------------|-------------------------------|---------------------------|
- प्र०5 'कुआ' शब्द में अनुनासिक प्रयोग के बाद बना हुआ नया शब्द होगा -
- |         |          |          |          |
|---------|----------|----------|----------|
| i) कुआँ | ii) कुँआ | iii) कुआ | iv) कुँआ |
|---------|----------|----------|----------|
- प्र०6 'कठ' शब्द में अनुस्वार प्रयोग के बाद बना हुआ नया शब्द होगा -
- |        |         |         |         |
|--------|---------|---------|---------|
| i) कंठ | ii) कठं | iii) कठ | iv) कणठ |
|--------|---------|---------|---------|
- प्र०7 'निःचेष्ट' से बना शब्द होगा -
- |              |               |               |              |
|--------------|---------------|---------------|--------------|
| i) निश्चेष्ट | ii) निश्चेष्ट | iii) निशचेष्ट | iv) निशचेष्ट |
|--------------|---------------|---------------|--------------|

- प्र०8 म्+इ+ट्+ट्+ई - के वर्ण - संयोग से बना नया शब्द होगा -  
 i) मिट्टी ii) मिट्टी iii) मीट्टी iv) मिटी
- प्र०9 कौन सा नुक्तानुमा शब्द युग्म सही है?  
 i) सजा / रजा ii) फन / फन iii) गम / बम iv) खत / मत
- प्र०10 'कार' प्रत्यय से बना शब्द होगा -  
 i) जमादार ii) शिल्पकार iii) कारागार iv) जोरदार

### लघु उत्तरीय प्रश्न -

निम्न प्रश्नों के उत्तर एक वाक्य में दीजिए -

- प्र०1 पोशाक मनुष्यों को किस प्रकार बाँट देती है?  
 प्र०2 अंगदोरजी क्या सुनकर आनंदित और आश्चर्य चकित हुए?  
 प्र०3 लेखक ने उत्साह और लगन से अतिथि का स्वागत क्यों किया?  
 प्र०4 कवि ने अनुसार ईश्वर ने किन-किन भक्तों का उद्धार किया?  
 प्र०5 बिगड़ी बात का क्या आशय है?

### लघु उत्तरीय प्रश्न -

निम्न प्रश्नों के उत्तर 30 से 40 शब्दों में दीजिए -

- प्र०1 रहीम ने निज संपत्ति का क्या महत्त्व बताया है?  
 प्र०2 दीपक और बाती के माध्यम से कवि ने ईश्वर और भक्त के संबंध को किस प्रकार स्पष्ट किया है?  
 प्र०3 ओझा के आने से घर की स्थिति में क्या परिवर्तन आया?  
 प्र०4 उपनेता प्रेमचंद ने अभियान दल को किन-किन परिस्थितियों से अवगत करवाया?  
 प्र०5 अतिथि का देवत्व कैसे सुरक्षित रह सकता है?

### निबंधात्मक प्रश्न

- प्र०1 समाज व्यक्ति के सुख-दुख में क्या भूमिका निभाता है? क्या समाज ने भगवाना की बुढ़िया माँ के साथ न्याय किया?  
 प्र०2 रैदास को प्रभु के द्रवित होने का एहसास किस प्रकार हुआ? नामदेव, कबीर, सधना और सैनु ने किस प्रकार प्रभु की भक्ति प्राप्त की?

SANSKRIT

कक्षा- नवमी  
संस्कृतम्

- प्र०1- रंजित पदान्यधिकृत्य प्रश्न निर्माण कुरुत-
- (क) ग्रामे निर्धना स्त्री अवसत्।  
(ख) स्वर्णकाकं निवारयन्ती बालिका प्रार्थयत्।  
(ग) सूर्योदयात् पूर्वमेव बालिका तत्रोपस्थिता।  
(घ) बालिका निर्धनमातुः दुहिता आसीत्।  
(ङ.) लुब्धा वृद्धा स्वर्णकाकस्य रहस्यमभिज्ञातवती।  
(च) तस्याः तया भीषणः सर्पः विलोकितः।  
(छ) लुब्धया बालिकया लोभस्य फलं प्राप्तम्।  
(ज) अहं निर्धनमातुः दुहिता अस्मि।  
(झ) तव माता एकाकिनी वर्तते।  
(ञ) तया अपि स्वसुता तण्डुलरक्षार्थं नियुक्ता।
- प्र०2- कोष्ठकगतेषु पदेषु पञ्चमीविभक्तेः प्रयोगं कृत्वा रिक्तस्थानानि पूरयत-
- (क) जनः ..... बहिः आगच्छति। (ग्राम)  
(ख) बालकः ..... विभेति। (सिंह)  
(ग) ईश्वरः ..... त्रायते। (क्लेश)  
(घ) नद्यः ..... निस्सरति। (पर्वत)  
(ङ.) ..... पत्राणि पतन्ति। (वृक्ष)
- प्र०3- अधोलिखितानि पदानि प्रयुज्य संस्कृतभाषायां वाक्यरचना कुरुत-
- (क) निनादय  
(ख) मन्दमन्दम्  
(ग) मारूतः  
(घ) सलिलम  
(ङ.) सुमनः
- प्र०4- एकः प्रार्थना पत्रं लिखत।  
प्र०5- संस्कृतस्य महत्त्वं स्वभाषायां लिखत।

**C. Project Based on International theme:**

Choose any one of the following:

**1. Know disaster, No disaster**

Research and identify the natural disasters in different parts of the world and locate them on a map. Create a disaster safety map for the most common natural disaster in the given country that help to mitigate damage due to natural hazards such as earthquakes, volcanic eruptions, wildfires, floods, hurricanes, landslides, tsunamis, droughts etc. Also research on the environment near your home/school and put this information in your safety map, including the safe and danger zones in that area.

IX A : Japan

IX B: India

IX C: Taiwan

IX D: China

**2. Don't waste – Create**

Research about the effective methods of reuse/recycle of generated waste in India, China, US, Russia and Japan and suggest the best techniques for reusing the waste you created. Create some new, useful and innovative item from your household waste.

**3. Bridging heaven and earth**

Music can have a beneficial and healing effect in helping people recover from trauma after disasters. Compose healing music of 1-2 minutes that can make people feel better and help them recover at a faster rate. The compositions (audio/ video) can be sent through mails or submitted in CDs to your respective teachers.

**Present the project report in a neatly bound simple folder.**

Time required: ½ Hrs. x 5 days