

NORTH-EX PUBLIC SCHOOL  
(Senior Secondary, Affiliated To CBSE)  
School Block, Jain Nagar, Sector-38, Rohini, Delhi – 81  
PERIODIC TEST- I, 2023-2024  
SUBJECT: ENGLISH LANGUAGE AND LITERATURE  
CLASS: IX

Time: 1 hour 20 mins

M.M: 40 marks

**General Instructions:**

1. The Question Paper contains THREE sections READING, GRAMMAR & WRITING and
2. LITERATURE.
3. Attempt all questions based on specific instructions for each part.

**Section A**  
(Reading)

**I. Read the following passage and answer the questions below: (10)**

A sparrow is a small bird which is found throughout the world. There are many different species of sparrows. Sparrows are only about four to six inches length. Many people appreciate their beautiful song. Sparrows prefer to build their nest in low places. Usually on the ground, clumps of grass, low trees and low bushes. In cities they build their nest out of twigs, grasses and plant fibres.

The sparrows are some of the few birds that engage in dust bathing. Sparrows will first scratch a hole in the ground with their feet, then lie in it and fling dirt or sand on their bodies with flicks of their wings. They will also bathe in water, or in dry or melting snow. Water bathing is similar to dust bathing, with sparrow standing in shallow water and flicking water over its back with its wings also ducking its head under the water. Both activities are social, with up to a hundred birds participating at once, and is followed by preening and sometimes group singing.

- a. Sparrows \_\_\_\_\_ in high places.
- b. Their nest are \_\_\_\_\_.
- c. Sparrows take bath in \_\_\_\_\_.
- d. Bathing for the sparrow is a \_\_\_\_\_.
- e. Bathing is followed by \_\_\_\_\_ and \_\_\_\_\_.
- f. Many people appreciate sparrows \_\_\_\_\_.
- g. The word 'species' means \_\_\_\_\_.
- h. The word..... in para 2 means 'to scrape'
- i. Give the title to the passage.

**Section B**  
(Writing and Grammar)

**II. Taking help from the information given below make a diary entry describing the horrible experience that you had when your shoes and the main bag were stolen during a railway journey. (5)**

Hints: • Travelling by Rajdhani Express • got admission in Delhi College of Engineering • going to take admission quite a pleasant journey • had a nice sleep • Delhi was quite near • I got up to wear my shoes • stolen • the main bag missing • documents and money • lost my wits • no money • phoned a relative • he came with shoes and clothes.

III. Fill in the blanks with the correct subject verb agreement.

(5)

1. Each of the girls \_\_\_\_\_ her own dress. (be)
2. Five miles \_\_\_\_\_ long distance. (be)
3. The little boy \_\_\_\_\_ mangoes. (like)
4. The movie \_\_\_\_\_ great. (be)
5. What do you \_\_\_\_\_ about wasting food? (think)

IV. Complete the sentences using correct determiners.

(5)

1. Meg used \_\_\_\_\_ sketch pens to complete her project. (demonstrative)
2. Sam stood \_\_\_\_\_ in the class. (quantifier)
3. Is there \_\_\_\_\_ food left in the fridge? (indefinite)
4. Can I get \_\_\_\_\_ hot bowl of soup? (articles)
5. There aren't \_\_\_\_\_ boys in the park. (indefinite)

Section C  
(Literature)

V. Read the stanza given below and answer the questions that follows.

(4)

*Two roads diverged in a yellow wood,  
And sorry I could not travel both  
And be one traveller, long  
I stood and looked down one as far as I could*

- a. Name the poem and the poet of the above stanza.
- b. What does the poet mean by 'yellow wood'?
- c. He could not travel both the roads, why?
- d. *Why does the poet stand long?*

VI. Read the extract given below and answer the questions that follows.

(3)

*"Sure they had a teacher, but it wasn't a regular teacher. It was a man."*

- a. Who does 'they' refer to?
- b. *What does 'regular' mean here?*
- c. *What is it contrasted with?*

VII: Answer the following questions in 30 – 40 words. Attempt any 4.

(4x 2 = 8)

1. How does Tommy describe the old kind of teachers?
2. Who helped Evelyn to continue with music? What did he do and say?
3. How is Shehnai different from a pungi?  
1. *When and how did Bismillah Khan get his first break?*
5. What are the things the child sees on his way to the fair? Why does he lag behind?
6. How does Toto come to grandfather's private zoo?



(क) सूचना

(ख) भाषाएँ

प्रश्न 4. रिक्त स्थानों की पूर्ति कीजिए -

(1X2=2)

(क) वर्णों के सार्थक समूह को ----- कहते हैं।

(ख) वाक्य में प्रयुक्त होने पर शब्द ----- बन जाता है।

प्रश्न 5. निम्नलिखित पठित काव्यांश को पढ़कर प्रश्नों के उत्तर दीजिए-

(1X5=5)

नाद रीझि तन देत मृग, नर धन हेत समेत।

ते रहीम पशु से अधिक, रिझैहु कछु न देत।।

बिगरी बात बनै नहीं, लाख करो किन कोय।

रहिमन फाटे दूध को, मथे न माखन होय।।

(क) पशु से भी स्वार्थी कौन है?

(ख) मृग किससे आकर्षित होकर अपने प्राण दे देता है ?

(ग) कौन-सी बात नहीं बन सकती?

(घ) किस प्रकार के दूध को मथने से माखन नहीं निकलता?

(ङ) कवि का नाम बताइए ।

खंड 'ख'

प्रश्न 6. निम्नलिखित प्रश्नों के उत्तर लगभग 50 शब्दों में दीजिए-

(3X4=12)

(क) रैदास के पहले पद में भगवान और भक्त के किन-किन चीजों से तुलना की गई है?

(ख) रहीम ने सागर की अपेक्षा पंक जल को धन्य क्यों कहा है ?

(ग) बुढ़िया के दुख को देखकर लेखक को अपने पड़ोस की संभ्रांत महिला की याद क्यों आई?

(घ) लेखिका ने गिल्लू को मुक्त करने की आवश्यकता समझी। क्यों ?

प्रश्न 7. 'जीवन में खेलों का महत्व' विषय पर लगभग 120 शब्दों में अनुच्छेद लिखिए -

(6)

संकेत बिंदु -

खेलों की आवश्यकता

रूचि के अनुसार खेल

खेलों के लाभ और हानि

प्रश्न 8. दिल्ली में बढ़ते हुए अपराधों को लेकर दो व्यक्तियों के बीच हुए संवाद को लगभग 100 शब्दों में लिखिए।

(5)

**NORTH EX PUBLIC SCHOOL**  
**(SENIOR SECONDARY, AFFILIATED TO CBSE)**  
**SCHOOL BLOCK, JAIN NAGAR, SECTOR-38, ROHINI, DELHI-81**  
**PERIODIC TEST - 1 (2023-2024)**  
**SUBJECT- MATHEMATICS**  
**CLASS- IX**

MM : 40

Time : 80 min

**General Instructions:**

1. This Question Paper has 5 Sections A-E.
2. Section **A** has 16 Objective type carrying 1/2 mark each .
3. Questions 17 and 18 (AR Question) are of 1 mark each.
4. Section **B** has 4 questions carrying 02 marks each.
- 1 Section **C** has 4 questions carrying 03 marks each.
5. Section **D** has 1 question carrying 04 marks .
6. Section **E** has 2 case based integrated units of assessment (03 marks each).

All Questions are compulsory. However, an internal choice has been provided.

**SECTION-A**

1. Write the coordinates of a point whose ordinate is 4 and which lies on the y axis.
2. Write an irrational number between 2 and 3.
3. What is the value of  $\sqrt{2} + 2\sqrt{2}$ .
4. Find the value of  $x$  for  $2^x - 1 = 0$ .
5. In which quadrant does (-3,5) lies.
6. Write the mirror image of (-2,4) with respect to y axis.
7. Name the points of the plane which do not belong to any quadrant.
8. Write the equation of the line parallel to  $x$  axis at a distance of 4 units.
9. Where does the point lies if its  $y$  coordinate is 0.
10. Name the point where both coordinates axes meet.
11. What is the ordinate of all the points on the  $x$  axis.
12. Find the coordinates of the point lying on  $y$  axis and at a distance of 6 units from the origin in the negative direction of  $y$  axis.
13. Find the value  $2^0 + 5^0$ .
14. How many solutions does this line  $y = 3x + 5$  has.
15. Find the value of  $81^{1/2}$ .
16. Write the equation of  $x$  axis.

ASSERTION- REASONING

**DIRECTION:** In the question number 4 and 5, a statement of assertion (A) followed by a statement of Reason (R). Choose the correct option

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

17. Assertion:  $\sqrt{5}$  is an irrational number.

Reason: A number is called irrational, if it cannot be written in the form  $p/q$ , where  $p$  and  $q$  are integers and  $q \neq 0$ .

18. Assertion: There are infinite number of lines which passes through  $(3, 2)$ .

Reason: A linear equation in two variables has infinitely many solutions.

### SECTION-B(4 x 2 =8)

19. Represent  $\sqrt{2}$  on the number line.

20. Rationalise:  $\frac{1}{\sqrt{5} + \sqrt{6}}$ .

21. If a point  $(3,4)$  lies on the graph of linear equation  $3y = ax + 7$ , find the value of  $a$ ?

22. How many irrational number lie between  $\sqrt{2}$  and  $\sqrt{3}$ . Find any two irrational number lying between  $\sqrt{2}$  and  $\sqrt{3}$ .

OR

Express  $0.\bar{3}$  in  $p/q$  form.

### SECTION-C (4 x 3 = 12)

23. Simplify  $\sqrt[3]{16} + \sqrt[3]{54} + \sqrt[3]{192} - \sqrt[3]{375}$ .

24. Find the value of  $a$  and  $b$  in  $\frac{3+\sqrt{2}}{3-\sqrt{2}} = a + b\sqrt{2}$ .

OR

If  $\left(\frac{3}{4}\right)^6 \times \left(\frac{16}{9}\right)^5 = \left(\frac{4}{3}\right)^{x+2}$  find the value of  $x$ .

25. The point  $(2k - 3, k + 2)$  lies on the graph of the linear equation  $2x + 3y + 15 = 0$ , find  $k$ .

26. Plot the points  $A(3,0)$ ,  $B(3,3)$ ,  $C(0,3)$  in a cartesian plane. Join  $OA$ ,  $AB$ ,  $BC$  and  $CO$ . Name the figure so obtained.

### SECTION - D( 1x 4 =4)

27. Write four solutions of given linear equation  $3x - 4y = 12$  and draw the graph.

OR

Show that :-

$$\frac{x^{a(b-c)}}{x^{b(a-c)}} \div \left(\frac{x^b}{x^a}\right)^c = 1.$$

### SECTION -E ( 2 x 3 = 6)

#### CASE STUDY BASED

28. Prime Minister's National Relief Fund (also called PMNRF in short) is the fund raised to provide support for people affected by natural and man-made disasters. Natural disasters that are covered under this include flood, cyclone, earthquake etc. Man-made disasters that are included are major accidents, acid attacks, riots, etc.

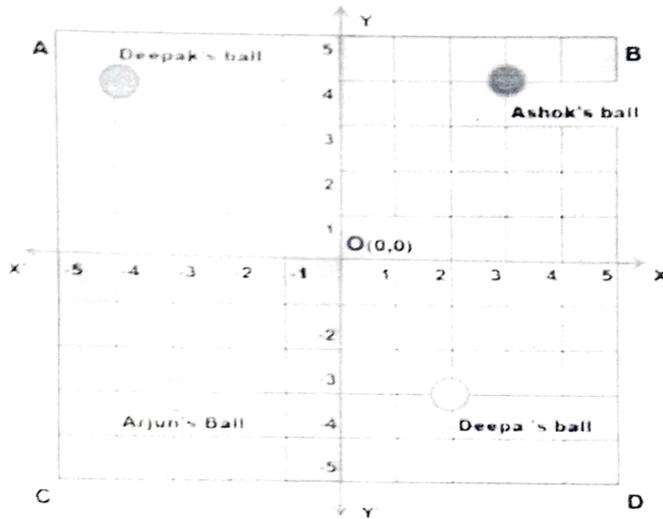
Two friends Sita and Gita, together contributed Rs. 200 towards Prime Minister's Relief Fund. Answer the following:



Prime Minister's  
National Relief Fund  
(PMNRF)

- a) How to represent the above equation in 2 variables?
- b) If Sita contributed rupees 76, then how much was contributed by Geeta?
- c) If both contributed equally, then how much contributed by each?

29. There is a square park ABCD in the middle of Saket colony in Delhi. Four children Deepak, Ashok, Arjun and Deepa went to play with their balls. The colour of the ball of Ashok, Deepak, Arjun and Deepa are red, blue, yellow and green respectively. All four children roll their ball from centre point O in the direction of XOY, X'OY, X'OY', and XOY'. Their balls stopped as shown in the above image.



- a) What is the ordinate of the ball of Arjun and abscissa of the ball of Deepak?
- b) What is the distance of ball of Arjun from x-axis?
- c) Write the equations for x-axis and y-axis.

a) What is the

Maximum Marks: 40

Time: 80 min

**General Instructions**

- i. All questions are compulsory.
- ii. The question paper has six sections and 29 questions. All questions are compulsory.
- iii. Section-A has 20 questions of 0.5 marks each; Section-B has 2 questions of 2 marks each; Section-C has 3 questions of 3 marks each; Section-D has 2 questions of 5 marks each; Section-E has 1 question of 4 marks and Section-F has 1 question of 3 marks.

**SECTION –A**

**Objective Type Questions (20x0.5=10)**

- Q1. What is the area of landmass of India?
- Q2. India is a democratic country –True or False?
- Q3. Name any one non-farm activity in Palampur.
- Q4. What is PPI?
- Q5. Which ocean is named after a country?
- Q6. How many states and union territories are there in India?
- Q7. Which is the outermost range of Himalayas?
- Q8. What is democracy?
- Q9. Which was the main occupation of people of Palampur?
- Q10. Who was the monarch of France?
- Q11. Which is the highest peak of Eastern Ghats?
- Q12. \_\_\_\_\_ divides the earth into two equal parts.
- Q13. What is multiple cropping?
- Q14. What is the position of India in the world in terms of its area?
- Q15. Which island group of India lies to its south-west?
- Q16. Who was the leader of Jacobin club?
- Q17. What is Tithes?
- Q18. What is the required age for voting?
- Q19. What are the latitudinal extents of India?
- Q20. What do we call a landmass bounded by sea on all four sides?

**SECTION –B**

**Very Short Answer Questions (2x2=4)**

- Q21. Name the horizontal divisions of Himalayas.
- Q22. Write any two features of democracy.

**SECTION-C**

**Short Answer Type Questions (3x3=9)**

- Q23. Distinguish between Bhangar and Khadar.
- Q24. Write any three demerits of democracy.

Or

- Write any three merits of democracy.
- Q25. Name all the neighboring countries of India.

## SECTION—D

### Long Answer Type Questions (2x5=10)

- Q26. What were the reasons behind French Revolution?(any5)  
Q27. Distinguish between Western ghats and Eastern ghats.

## SECTION—E

### Case Based Question (1x4=4)

Q28. Read the given text and answer the following questions.

On the morning of 14 July 1789, the city of Paris was in a state of alarm. The king had commanded troops to move into the city. Rumours spread that he would soon order the army to open fire upon the citizens. Some 7,000 men and women gathered in front of the town hall and decided to form a peoples' militia. They broke into a number of government buildings in search of arms. Finally, a group of several hundred people marched towards the eastern part of the city and stormed the fortress-prison, the Bastille, where they hoped to find hoarded ammunition. In the armed fight that followed, the commander of the Bastille was killed and the prisoners released – though there were only seven of them. Yet the Bastille was hated by all because it stood for the despotic power of the king. The fortress was demolished and its stone fragments were sold in the markets to all those who wished to keep a souvenir of its destruction. The days that followed saw more rioting both in Paris and the countryside. Most people were protesting against the high price of bread. Much later, when historians looked back upon this time, they saw it as the beginning of a chain of events that ultimately led to the execution of the king in France, though most people at the time did not anticipate this outcome.

- a. Why was Bastille hated by the people of Paris? (1)  
b. On which date the French revolution took place? (1)  
c. Write the two after effects of French revolution destruction. (2)

## SECTION-F

### Map question (1x3=3)

Q29. Locate and label any three of the following on the given political map of India.

- a. Western ghat  
b. Coromandel coast  
c. Malwa Plateau  
d. Chhotanagpur plateau  
e. Punjab

**General Instructions**

- i. All questions are compulsory.
- ii. The question paper has four sections and 25 questions. All questions are compulsory.
- iii. Section–A has 16 questions of 1/2 marks each; Section–B has 2 questions of 2 marks each; Section–C has 3 questions of 3 marks each; Section–D has 3 questions of 5 marks each and Section–E has 1 case based question of 4 marks.
- iv. There is no overall choice and all questions are compulsory.

**SECTION- A**

1. Convert the following temperature to the Celsius scale : 577 K
2. What does the area of a velocity—time graph give?
3. A boy goes from A to B with a velocity of 20 m/min and comes back from B to A with a velocity of 30 m/min. Find the average velocity of the boy during the whole journey.
4. Are rest and motion absolute or relative terms?
5. Can a body have acceleration without change in magnitude of velocity?
6. What is the physical state of water at 25degree Celsius?
7. Which organelles make the Digestive enzyme of lysosome?
8. What is dry ice?
9. What will happen if an animal cell is placed in hypersonic solution?
10. List two cell organelles which possess their own genetic material.
11. In brief what happen when Golgi apparatus is removed from the cell?
12. What happens to the rate of diffusion if humidity is increased?
13. Which plastid is involved in conversion of green tomato to red?
14. A particle is moving in a circular path of radius r. Find the displacement after half a circle.
15. Can a body have constant speed but variable velocity?
16. Name the device which is used to measure the distance travelled by the vehicle.

**SECTION- B**

17. Abdul while driving to school computes the average speed for his trip to be 20 km/h. On his return trip along the same route, there is less traffic and the average speed is 40 km/h. What is the average speed for Abdul's trip?
18. Tabulate the differences in the states of matter on the basis of following characteristics:
  - a) Rigidity
  - b) Kinetic energy
  - c) Density
  - d) Diffusion

**SECTION- C**

19. An athlete completes one round of a circular track of diameter 200 m in 40 s. What will be the distance covered and the displacement at the end of 2 minutes and 20 seconds?
20. Give reason:
  - a) Naphthalene ball disappear with time without leaving any solid.
  - b) We can get smell of perfume sitting several meters away.

- c) Why does our palm feel cold when we put acetone or petrol or perfume on it .
21. Give reasons for the following:
- Inner membrane of mitochondria is deeply folded.
  - Lysosome called scavengers of cell?

#### SECTION- D

22. Answer the following
- Differentiate between distance and displacement.
  - A motorboat starting from rest on a lake accelerates in a straight line at a constant rate of  $3 \text{ m/s}^2$  for 8 seconds. How far does the boat travel during this time?
23. Answer the following:
- Ice at  $273\text{k}$  more effective in cooling than water at the same temperature.
  - Suggest a method to liquefy atmospheric gases.
24. Draw a plant cell and label five important organelles found on it .explain its function also.

#### SECTION- E

**This section has 01 case-based question. Each case is followed by 04 sub-questions. All sub-questions are compulsory.**

25. Plasma membrane or Cell membrane is the outermost covering of the cell that separates the contents of the cell from its external environment. The plasma membrane is flexible and is composed of organic molecules called lipids and proteins. The flexibility of the cell membrane also enables the cell to engulf in food and other material from its external environment. Such processes are known as endocytosis. The plasma membrane allows or permits the entry and exit of some materials in and out of the cell. It also prevents movement of some other materials. The cell membrane, therefore, is called a selectively permeable membrane. Some substances like carbon dioxide or oxygen can move across the cell membrane by a process called diffusion. There is spontaneous movement of a substance from a region of high concentration to a region where its concentration is low. Similar thing happens in cells – some substances like  $\text{CO}_2$  (carbon dioxide) is cellular waste and requires to be excreted out by the cell) accumulates in high concentrations inside the cell. In the cell's external environment, the concentration of  $\text{CO}_2$  is low as compared to that inside the cell. As soon as there is a difference of concentration of  $\text{CO}_2$  inside and outside a cell,  $\text{CO}_2$  moves out of the cell, from a region of high concentration, to a region of low concentration outside the cell by the process of diffusion.

Water obeys the law of diffusion. The movement of water molecules through such a selectively permeable membrane is called osmosis. The movement of water across the plasma membrane is also affected by the amount of substance dissolved in water. Thus, osmosis is the movement of water across a selectively permeable membrane toward a higher solute concentration.

- The plasma membrane is made up of \_\_\_\_\_ and \_\_\_\_\_
- Which substance is known as cellular waste?
- Define osmosis
- What is meant by diffusion?

# NORTH-EX PUBLIC SCHOOL

(Senior Secondary, Affiliated To CBSE)  
School Block, Jain Nagar, Sector-38, Rohini, Delhi  
PERIODIC TEST I, 2023-24  
SUBJECT – Computer Science  
CLASS –IX

Time: 80 minutes

MM: 40

General Instructions:

- 1.This question paper contains 5 questions.
- 2.Answers should be brief and to the point.
- 3.Section A contain 2 questions carrying 5 marks each.
- 4.Section B contains 2 questions carrying 15 marks.
- 5.Section C contains 1 question of 5 parts carrying 10 marks.
- 6.Section D contains 1 question of 2 parts carrying 5 marks.

## Section-A

Q1. Fill in the blanks:-

- (1) A microprocessor is a..... where a large number of circuit elements are integrated .
- (2) Read only memory is a part of .....memory.
- (3) Computers have..... IQ.
- (4) The printed information on the paper is called.....
- (5) Memory stick was launched by..... in October 1993.
- (6)..... is a type of scanner that can detect marks made with ink or pencil.
- (7) The collection of programs and procedures that instructs a computer how to perform different type of task is called.....
- (8).....helps to reduce consumption storage space and ensures faster transfer of large files.
- (9)A..... transforms human readable source code of an entire program into machine language code.
- (10)..... is the process of conversion of data into a form that cannot easily understood by anyone

Q2. Very short Questions :-

- (1) Name the apps are usually browser based and stored on a remote server.
- (2) Which code uses "Assembly language"?
- (3)..... do not need web access and run independently on computer.
- (4) Write the name of a storage device.
- (5) What is the diameter of the standard ?
- (6) Whom do you think is the most probable user of a Light Pen?
- (7) How can we measure the speed of a CPU ?
- (8) ..... is a quick and convenient way to send short messages.
- (9) The basic organisation of a computer does not consists of.....
- (10) Unorganised raw facts and figures given to a computer are collectively called.....

### Section -B

Q3. Differentiate between

- (1) RAM and ROM
- (2) Flash Drive and Memory Stick

Q4. Define the terms:-

- (1) Computer works diligently
- (2) Input Device
- (3) Software
- (4) Computer

### Section -C

Q5. Answer the following questions:-

- (1) Write any two characteristics and limitations of computer.
- (2) Write the characteristics of Non-Impact printer.
- (3) What is Blu ray disc? Briefly state its features.
- (4) Explain utility software with an example.
- (5) Explain any two types of specific purpose application software.

### Section -D

Q6. Reasoning based question:-

- (1) Printer is a peripheral device used for printing output.
  - (a) It print the output on the paper.
  - (b) It print the output sometime on paper and sometime on the CD/ DVD.
  - (c) Statement first is true and second is false.
  - (d) Both statements are correct a and b.
- (2) Advantage of video conferencing where users not only hear each other but also have a face to face conversation.
  - (a) It's uses is only conversation.
  - (b) It's use to spread our business worldwide.
  - (c) Both a and b statement correct.
  - (d) Both statements are incorrect.