

**Mount Litera Zee School**

Half Yearly – Revision Test Paper

Subject – IT

Class – IX

1. Give two examples of each: -
  - i. Temporary Memory
  - ii. Permanent Memory
  - iii. Special Purpose Input device
  - iv. Output device
2. Name two application programs used for following activities: -
  - i. Analyzing data
  - ii. Playing media files
  - iii. Creating animations
  - iv. Designing posters and greeting cards
3. Answer the following questions: -
  - i. Define language processors with its examples.
  - ii. Write four major functions of operating system. Give three examples of operating systems.
  - iii. Write any two differences between distributed OS and multiprocessing OS.
  - iv. Define indentation. What is its use in word document?
  - v. Write the function of recycle bin.
4. Give two examples of the following: -
  - i. Utility software
  - ii. General purpose application software
  - iii. Specific purpose application software
  - iv. Bespoke or customized software
  - v. Mobile operating systems
  - vi. Real time operating systems
  - vii. Time sharing operating systems
  - viii. Multiprocessing operating systems
5. Graphical User Interface is found in many computers now days.
  - i. Why user interfaces are required?
  - ii. Give the name of common devices that are used with GUI.
  - iii. How GUI is better than CUI?
6. A school is using computerized word processing. Explain three ways word processing could be used to help with the school administration.
7. A newspaper needs some pictures to insert onto the front page. Give three ways you can use Information Technology to obtain the pictures in electronic form.
8. Give one reason why a digital camera is suitable for obtaining pictures for a multimedia presentation.
9. Give one reason why you would not edit a large movie file on CD-ROM.
10. How an operating system helps its users to perform any task on the computer and how it helps to secure the documents?

**HALF YEARLY EXAMINATION**

Std- IX

Sub- English

Writing Section

1. Write an article on the environmental challenges that the world is facing, in about 100-120 words giving the possible reasons behind this and suggest some measures to curb this menace. You are Pallavi/ Priyanshu. You may include following points:-
  - Global warming
  - Air, water and soil pollution
  - Remedial action required
  - Increasing temperature.
2. Write an article on obesity as a growing concern among children in 120 words.
3. Write an article on 'Pollution due to urbanisation' in about 100-120 words.
4. Write an article on why it is important to save water for future in about 120 words.
5. You were witness to an accident that occurred due to rash driving that day. Write your experience in form of diary entry.
6. You went to see a Magic Show. Write a diary entry expressing your feelings in your words.
7. You saw a girl working as a maid while going to your school today. Write a diary entry expressing your views on child labour.
8. Your friend today helped you out of a difficult situation. Write a diary entry expressing gratitude for your friend.

Grammar Section

1. Complete the following passage by choosing correct word from the given options:-
  - a. India (i) \_\_\_\_\_ known as a leader in entertainment. It produces more films than Hollywood (ii) \_\_\_\_\_ a year. A number of films use animation along with live actors to make (iii) \_\_\_\_\_ scene more plausible.

- (i) a. has                    b. is                    c. are                    d. have
  - (ii) a. within                b. on                    c. at                    d. to
  - (iii) a. has ended          b. have ended        c. ended                d. has ended
- b. On (i) \_\_\_\_\_ the noise some other women and children (ii) \_\_\_\_\_ the locality reached (iii) \_\_\_\_\_. They tried to stop the quarrel but it (iv) \_\_\_\_\_ all in vain. The two mothers (v) \_\_\_\_\_ came to blows. At last (vi) \_\_\_\_\_ people called the police to sort out the matter.
- (i) a. hear                    b. hearing            c. heard                d. was hearing
  - (ii) a. for                    b. of                    c. in                    d. at
  - (iii) a. their                b. there                c. here                d. far
  - (iv) a. is                    b. are                    c. was                    d. were
  - (v) a. utmost                b. almost              c. always                d. ever
  - (vi) a. a                    b. an                    c. the                    d. some

c. For the first time (i) \_\_\_\_\_ Independence India added fewer people (ii) \_\_\_\_\_ its population in the decade that has just (iii) \_\_\_\_\_ than in the previous one.

- (i) a. for                    b. since                c. from                d. till
- (ii) a. in                    b. on                    c. at                    d. to
- (iii) a. has ended          b. have ended        c. ended                d. had ended

d. Vegetarianism promotes (i) \_\_\_\_\_ natural way of life, but despite its implicit message (ii) \_\_\_\_\_ love and non-violence, it (iii) \_\_\_\_\_ not spread. Leading a vegetarian way of life (iv) \_\_\_\_\_ the animal kingdom to coexist with a man. The animals (v) \_\_\_\_\_ milk, manure (vi) \_\_\_\_\_ energy.

- (i) a. the                    b. a                    c. any                    d. an
- (ii) a. from                b. of                    c. for                    d. by
- (iii) a. had                    b. has                    c. have                    d. is
- (iv) a. helps                b. help                    c. helped                d. will help
- (v) a. supplies              b. or                    c. supply                d. have supplied

2. Rearrange the following words/ phrases into meaningful sentences.

- I. a. Ship/ Violently/ the storm/ rocked/ the  
b. masterpiece/ artist/ painstakingly/ the/ his/ worked/ at  
c. gift/ free/ a/ dad/ offered/ firm/ by/ the/ was
- II. a. to pass messages/ smelly chemicals/ phenomenon are/  
secreted by/ some insects  
b. communicate in / of animals/ a number/ language/ chemical
- III. a. the/ Ranji/ my/ will/ trophy/ brother/ be/ playing/ for/ year/  
this  
b. cooks/ around/ mother/ the/ world/ from/ my/ delicacies  
c. so/ there/ many/ are/ sites/ cultural/ heritage/ of/ India/ in/  
importance
- IV. a. studied/ to find/ different/ approach to life/ religions/  
correct/ a/ he  
b. to shed/ this/ mindedness/ helped him/ narrow  
c. he/ tolerant/ and/ became/ other religions/ for

3. In the passage given below, one word has been omitted in each line. Write missing word along with the word that comes before and the word that comes after it in your answer sheet.

i. Living on earth is rather like (a) \_\_\_\_\_ being the bottom of a sea hundreds (b) \_\_\_\_\_ of miles deep.

Without the atmosphere there (c) \_\_\_\_\_ would no people or animals, birds or fishes, trees or plants (d) \_\_\_\_\_ there would be no weather, winds, rain.

ii. Already professional education (a) \_\_\_\_\_ in India proved accessible affordable for (b) \_\_\_\_\_ foreign students, especially Malaysia, the middle (c) \_\_\_\_\_ east and South Africa. In these countries higher (d) \_\_\_\_\_ education training facilities limited.

iii. Vegetarianism promotes its natural (a) \_\_\_\_\_ way of life. But despite implicit message of (b) \_\_\_\_\_ universal love and non-violence, it has not spread (c) \_\_\_\_\_ it should have. This be because it usually is (d) \_\_\_\_\_ an inward looking habit.



iv. A bicycle gets punctured when thorn (a)\_\_\_\_\_ on nail runs into its tube. Puncture (b)\_\_\_\_\_ need to repaired. First of all, (c)\_\_\_\_\_ the tube taken out of the tyre (d)\_\_\_\_\_ and inflated.

### Literature

1. Read the following extracts and answer the questions that follow in one or two lines:-
  - a. I felt so very dependent and helpless- we are well off but what use is money when I cannot be independent.
    - i. Who is 'I'?
    - ii. Why did she feel dependent?
    - iii. What is grandmother's economic status?
  - b. The amount of homework she did was amazing. She would read, repeat, write and recite.
    - i. Who is 'She'?
    - ii. What 'homework' is being talked about here?
    - iii. Why was she so keen on doing homework?
  - c. Finally they decided to bring duke home. Chuck said he wanted to be standing when duke came in, so they stood him up?
    - i. Who was duke? Describe him briefly.
    - ii. Was it a wise decision? How?
    - iii. Why did they have to assist chuck?
  - d. Whatever the theme, the maiden sang as if her song could have no ending.
    - i. What is the meaning of 'maiden'?
    - ii. Whose song is being referred to here?
    - iii. How did it affect the poet?
2. How was the villa sold for three, hundred thousand francs by Gaston?

3. 'Some people thrive on cheating which they call shrewd business sense'. How can you save yourself from people like Gaston?
4. How did the narrator decide to spend the nights during the river journey? Why was it objected by Harris? What was final decision taken by three men?
5. Explain the incident of village church happened with narrator?
6. How was Harris lost in the maze at Hampton court?

Revision Paper

Class IX

Sub :- Phy & chem

1. What is Uniform Circular motion?
2. An artificial satellite is moving in a circular orbit of radius 36,000 Km. It takes 24 hours to complete one orbit around the earth, find its linear speed.
3. Derive  $v^2 = u^2 + 2as$ , by graphical method.
4. A bullet of mass 10g travelling horizontally with a velocity of  $150 \text{ ms}^{-1}$  strikes a stationary wooden block and comes to rest in 0.03s. Calculate the distance of penetration of the bullet into the block.
5. Differentiate mass & weight
6. A stone is released from the top of a tower of height 19.6 m. Calculate its final velocity just before touching the ground.
7. Differentiate  $g$  &  $G$ . Relation between  $g$  and  $G$ .
8. A stone is dropped from a cliff. What will be its speed when it has fallen 100 m?
9. A force of 20 N acts upon a body whose weight is 9.8 N. What is the mass of the body and how much is its acceleration? Take  $g = 9.8 \text{ m/s}^2$
10. Differentiate speed and velocity or mass.
11. Derive the mathematical formula of conservation of momentum.
12. An object of mass 100 kg is accelerated uniformly from a velocity of  $5 \text{ ms}^{-1}$  to  $8 \text{ ms}^{-1}$  in 6s. Calculate the initial & final momentum of the object. Also find the magnitude of the force exerted on the object.
13. Explain, why is it difficult for a fireman to hold a hose, which ejects large amount of water at a high velocity.
14. Differentiate colloid & suspension.
15. Differentiate compound & mixture.
16. Explain Tyndal effect.
17. Learn & write the application of crystallization & centrifugation chromatography.
18. 0.5 g of salt is dissolved in 25 g of water calculate the percentage amount of the salt in the solution.
19. Give two examples of :-  
Aerosol, emulsion, Foam, Gel I sol.

Revision Paper

Class IX

Sub :- Biology

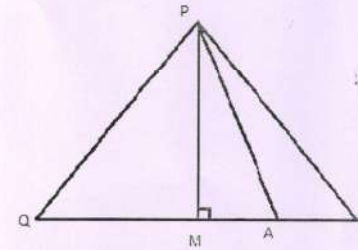
1. Define cell. Who discovered cell and when? What is cell theory? Explain.
2. What are the main parts or components of a cell? State their functions.
3. What are cell organelles? Name the different cell organelles and write two functions of each.
4. What is plasma membrane? Why is plasma membrane called selectively permeable membrane?
5. How does Amoeba obtain its food?
6. Define diffusion and osmosis. State their importance in a cell.
7. What is cell wall? How does cell wall prevent the cell from bursting?
8. What is hypotonic, hypertonic and isotonic solution? What will happen if a cell is placed in the three solutions? Write down your observation.
9. Draw a labelled diagram of plant cell and animal cell. And write down the difference between them.
10. Draw a labelled diagram of mitochondria. Write down its functions. Why is it called power house of a cell?
11. What is tissue? What is the utility of tissues in multicellular organisms?
12. Name two conductive tissues in plants. Write down their functions.
13. Write short notes on meristematic tissue.
14. What is connective tissue. Why is blood called connective tissue? Explain.
15. Draw a labelled diagram of neuron.
16. What is neuron? Write down the different parts of neuron and state one function of each part.
17. Difference between:-
  - (a) Collenchyma and Sclerenchyma
  - (b) Meristematic tissue and permanent tissue.
18. What is epidermis tissue? Why does it not have any intercellular space? Explain.
19. What is muscular tissue? Write down its functions.
20. Name the following:-
  - (i) Lining of blood vessels made up of?
  - (ii) Epithelial cell with cilia?
  - (iii) Fluid connective tissue?
  - (iv) Tissue responsible for carrying messages?

**REVISION PAPER**

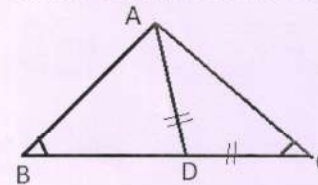
Class – IX

Subject – Maths

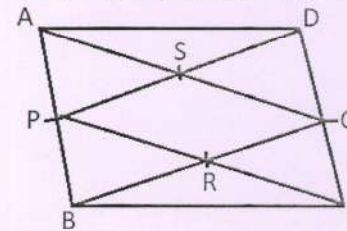
- Rationalise the denominator:  $\frac{1}{1+5\sqrt{2}}$
- Simplify:-  $\sqrt[4]{81} - 8\sqrt[3]{216} + 15\sqrt[5]{32} + \sqrt{225}$
- Simplify by rationalising the denominator:-  $\frac{4\sqrt{3}+5\sqrt{2}}{\sqrt{48}+\sqrt{18}}$
- Find the value of x, if  $\left(\frac{6}{5}\right)^x \times \left(\frac{5}{6}\right)^3 = \frac{125}{216}$
- Represent  $\sqrt{4.5}$  on number line.
- Find the value of  $\frac{4}{(216)^{-2/3}} + \frac{1}{(256)^{-3/4}} + \frac{2}{(243)^{-1/5}}$
- If  $a = \frac{\sqrt{2}+1}{\sqrt{2}-1}$  and  $b = \frac{\sqrt{2}-1}{\sqrt{2}+1}$ , then find the value of  $a^2 + b^2 - 4ab$
- If  $x + 2k$  is a factor of  $f(x) = x^5 - 4k^2x^3 + 2x + 2k + 3$ , find the value of  $f(k)$ .
- Factorise  $5\sqrt{5}x^2 + 30x + 8\sqrt{5}$  by spitting the middle term.
- Using factor theorem, factorise the  $x^3 + x^2 - 4x - 4$ .
- Without actual division, prove that  $2x^4 - 5x^3 - 2x^2 - x + 2$  is exactly divisible by  $x^2 - 3x + 2$ .
- If  $a+b+c=5$  and  $ab+bc+ca=10$ , then show that  $a^3+b^3+c^3-3abc=-25$
- Draw the graph of the linear equation  $3x+4y=6$ . At what points, does the graph cut the x-axis and y-axis.
- The ratio of girls and boys in a class is 1:3. Set up an equation between the students of a class and boys and then draw its graph. Also find the no. of boys in a class of students from the graph.
- Show that the points  $A(1,-1)$ ,  $B(2,6)$ ,  $C(0,-8)$  lie of the graph of the linear equation  $7x-y=8$
- In the given figure,  $\angle Q > \angle R$ , PA is the bisector of  $\angle QPR$  and  $PM \perp QR$ , show that  $\angle APM = \frac{1}{2}[\angle Q - \angle R]$



17. ABC is a triangle with  $\angle B = 2\angle C$ . D is the point on BC such that AD bisects  $\angle BAC$  and  $AD=CD$  then, prove that  $\angle BAC = 72^\circ$ .



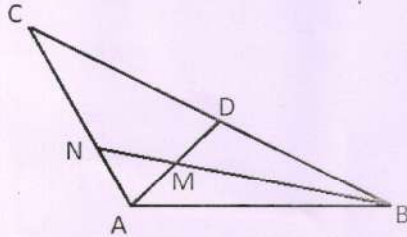
18. ABCD is a parallelogram in which P and Q are the midpoints of opposite sides AB and CD. If AQ intersects DP at S and BQ intersects CP at R, show that PSQR is a parallelogram.





19. AD is the median of a  $\Delta ABC$  and M is the midpoint of AD.

Also, BM produced meet AC at N. To show that  $AN = \frac{1}{3} AC$



20. One of the diagonals of a Rhombus is equal to the side of the Rhombus. Find the angle of the Rhombus.

(2017-18)

Class : IX  
Subject : S. St.

Full Marks : 80  
Time : 3 hrs.

HISTORY (20 MARKS)

- A. Write answer in one word or one sentence. 1 x 10 = 10
- Who was the Propaganda Minister of Hitler ?
  - What was the name given to the German Parliament ?
  - When the wall street exchange crashed ?
  - What was the symbol of Nazi Party ?
  - Who were the worst sufferers in Nazi Germany ?
  - Who was the first inspector general of forest in India ?
  - What do you know about deforestation ?
  - Which act was passed in 1865 ?
  - In which year did the Bastar rebellion take place ?
  - From which tree latex can be collected ?
- B. Answer the following questions not more than 80 words. 2 x 3 = 6
- Who were called as the November criminals ? Why were they targeted ?

or

Describe the effect of first world war on European society.

- What were the promises made by Hitler to people of Germany ?

or

Explain any five reasons for the expansion of cultivation by the colonial rulers in India.

- C. Answer the following questions not more than 120 words. 1 x 4 = 4
- Mention four steps adopted by Nazis to establish a Pracial state.

or

How did the forest act affected the lives of forestens and villagers ?

POLITICAL SCIENCE (20 MARKS)

- A. Answer should not exceed 30 words limit. 1 x 10 = 10
- Which Pakistani General led a military coup in 1999 ?
  - What is the name of the Chinese Parliament ?
  - Suggest one of the important features of Democracy ?
  - What is the most common form of democracy in today's word ?
  - Which party always forms the government in China ?
  - When did Mixico get independence ?
  - Robert Mugabe is the president of which country ?
  - What is direct democracy ?
  - China is democratic or non-democratic country ?
- B. Answer should not exceed 80 words limit. 2 x 3 = 6
- Mention three essential features of democracy.

or

What is the significance of the preamble to the Indian Constitution.

- Explain any three difficulties faced by the people in non democratic country.

or

Mention any three characterics of the Indian Constitution.

- C. Answer should not exceed 120 words limit. 1 x 4 = 4

13. Write any five arguments in favour of Democracy.

or

What is a Constitution ? Why do we need a constitution ?