

Sample Papers



Silver Grove School

HALF-YEARLY EXAMINATION (2026-27)

CLASS- 7

SUBJECT: MATHEMATICS Set-1

TIME: 03:00 Hrs.

M.M. 100

Name: _____ Roll

No. _____

Instructions:

1. Read all the questions attentively.
2. It is compulsory to attempt all sections.
3. Marks for each section are given.
4. Show all steps clearly in your solutions.
5. Use appropriate formulae and identities where necessary.
6. Neat and clean presentation of answers will be appreciated.

SECTION-A

(Each question carries 1 mark)

Choose the correct answer from the option given below.

Q1. Which of the following is an improper fraction ?

- a) $\frac{7}{13}$ b) $\frac{3}{2}$ c) $\frac{4}{200}$ d) $\frac{11}{121}$

Q2. The sum of two integers is -8. If one of them is 5, then the other is

- a) 3 b) 13 c) -3 d) -13

Q3. The ratio between 6 cm and 20 mm

- a) 3:1 b) 3:10 c) 6:10 d) 3:2

Q4. The measure of two complementary angles are in the ratio 1:5. What is the measure of the smaller angle ?

- a) 15° b) 20° c) 25° d) 30°

Q5. What is the degree of expression x^2y^3 ?

- a) 5 b) not defined c) 1 d) none of these

SECTION-B

(Each question carries 1 mark)

Q6. The reciprocal of $\frac{2}{5}$ is

Q7. The value of $-7 \times 2 + 13$ is.....

Q8. The ratio $\frac{1}{8} : \frac{1}{12}$ in the simplest form is

Q9. The degree of the polynomial 7^5 is

Q10. Two lines are said to be to each other if they intersect at right angles.

SECTION-C

(Attempt all questions. Each question carries 3 marks)

Q11. Simplify $8.349 - 2.57 + 6.28 - 9.6$

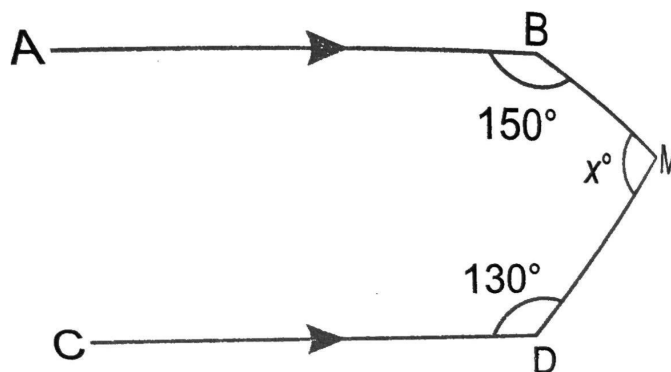
Q12. Nishi purchased 2.5 kg of potatoes at the rate of Rs 14.80 per kg. How much money should she pay ?

Q13. If $a:b = 3:5$ and $b:c = 4:7$, find $a:b:c$.

Q14. Simplify $2 - 3z^2 + 5yz + 7y^2 - 8 + z^2 - 6yz - 9y^2 + 1 - 2z^2 - 2yz - y^2$

Q15. Two complementary angles are in the ratio 4:5. Find the angles.

Q16. In each of the figures given below, $AB \parallel DC$. Find the unknown angles, giving reasons.



Q17. A Rectangular plot of land 50 m long. The cost of lavelling the plot at ₹ 12.50 m² is ₹ 20000. Find the area of the plot, the breadth of the plot, the perimeter of the plot.

Q18. Find the area and circumference of a circle whose diameter is 18cm

Q19. In a one-day cricket match, the runs scored by the players of a team are 6,10,16,20,8,19,30,57,2,0,8. Find the mean score.

Q20. The marks obtained (out of 100) by 12 students in an examination are 74,96,87,65,99,82,76,92,66,75,85,90.

SECTION-D

(Attempt all questions. Each question carries 5 marks)

Q21. Simplify $2\frac{1}{4} + 1\frac{1}{6} - 1\frac{2}{3} \div 2\frac{2}{3}$ of $3\frac{3}{4}$

Q22. Mathew had no money to pay for his house rent of Rs 14,240. His five friends decided to contribute equally to pay for the rent. How much Bill each friend pay ?

Q23. Two numbers are in the ratio 3:7 and their difference is 36. Find the numbers.

Q24. If five men can build a wall in 12 days, how many men can build it in 10 days ?

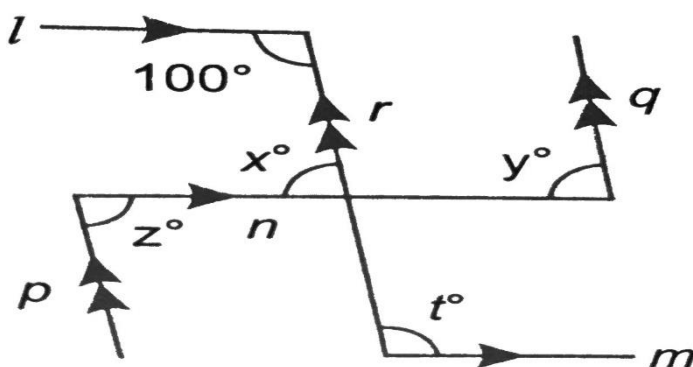
Q25. Let $A = \{a, b, c, d, e\}$, $B = \{a, c, e, g\}$ and $C = \{b, e, f, g\}$. Then find the followings :

- a) $A \cup B$ b) $A \cap B$ c) $A \cup (B \cap C)$ d) $A \cap B$ e) $A \cap C$

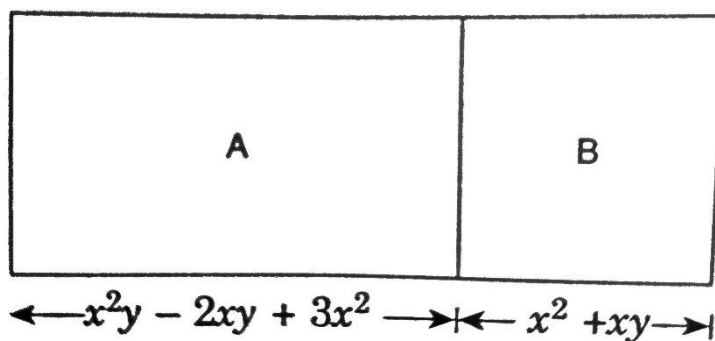
SECTION-E

(Competency focused Questions)

Q26. In the given figure, $AB \parallel CD \parallel EF$ and $AD \parallel BE$. Find x , y , z .



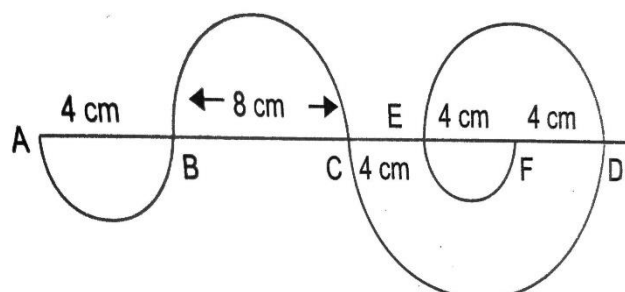
Q27. Vasu has a rectangular form land A. The length of this farmland is $x^2y - 2xy + 3x^2$ and its perimeter is $2x^2y + 6x^2 - 2xy - 4y^2$. Today he purchased the adjacent farmland B and combined the two farmland into one. The length of his farmland now increased $x^2 + xy$, while the breadth remained the same.



- Find the breadth of farmland A.
- Find the length of the combined farmland owned by Vasu.

- c) The perimeter of vasu's combined farmland is:
- d) the change in the perimeter after combining farmland A and B is :
- e) Find the breadth of farmland B.

Q28. A wire is bent into the shape as shown. It is made up of 5 semi-circles. What is the length of the wire ?



Silver Grove School

HALF-YEARLY EXAMINATION (2026-27)

CLASS- 7

Set A

SUBJECT: ENGLISH - I

TIME: 2 Hrs.

M.M. 50

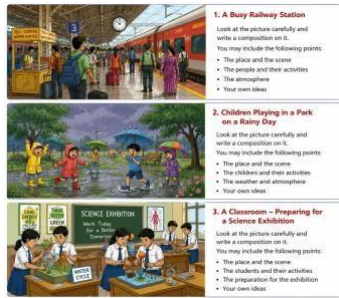
Instructions

- Read all the question attentively
- The intended marks for each questions are given in brackets.
- Your project of 5 marks is added to the total marks.

SECTION - A

Question 1. Write a composition (200 – 250) words of the following.

(10) (a) Study the picture given below. Write a story or description or an account of what it suggests to you. Your composition may be about the subject , the picture or you may take suggestions from it, however there must be a clear connection between the picture and your composition.



Question 2. Select any one of the following. (5)

- a) Write a formal letter to the Manager of a bank regarding the loss of your ATM card.
- b) Write a letter to your friend inviting him to your elder sister's engagement ceremony.

Question 3- Write an essay on “The Role of Youth in Building a Better Nation”. (5)

Question 4 – Read the following passage carefully and answer the following question that follows. (5) Last summer, Meera visited her grandmother’s village for the first time. The village was surrounded by green fields, ponds, and mango trees. Every morning, Meera woke up early to watch the birds and help her grandmother water the plants. She enjoyed the peaceful environment and friendly people of the village. One afternoon, Meera saw some children sitting under a tree without books or notebooks. She learned that there was no proper school nearby. Meera felt sad and decided to teach them in the evening. She started teaching them simple English words, poems, and basic maths. Soon, more children began joining her classes every day.

At the end of her vacation, the villagers thanked Meera for her efforts. The children became very attached to her and requested her to visit again. Meera returned home with beautiful memories and realized that even small efforts can bring a big change in someone’s life.

Questions

- Where did Meera go during her summer vacation?
- Why were the children sitting under the tree?
- What did Meera teach the children?
- How did the villagers react to Meera’s efforts?
- What lesson did Meera learn from her experience?

Question 5.(I) Choose the correct option

(5)

1.She had a expression on her face .

(a) worrying. (b) worried

2.Shubhi is an person.

(a) interesting (b) interested

3.It is an..... project.

(a) exciting (b) excited

4.Did you hear the cat.....?

(a) crying (b) cry

5.These children are just... ..

(a) have amazed (b) amazing

6.My neighbours are very as they make too much noise!

(a) annoy (b) annoying

7.....no reply, he called the school again.

(a)Having received (b) To received

8.The Vase could n't be repaired.

(a) breaking (b) broken

9.....the book, Samantha returned it to the library.

(a) Having read (b) To read

10. her mother, the little girl jumped and ran to hug her.

(a). Seeing (b) Having see

(II). Complete the Sentences with the correct form of the verb given.

(4)

A. It was my fault, I was late for school. I should _____(wake up) earlier.

B. Jyoti has gone to hospital for an x-ray. She thinks she might _____ (break) her arm.

C. Lily ought to _____ (tidy) up her room instead of sitting and watching videos.

D. You need not _____ (spend) so much money on our present. Something smaller would have been fine.

(III) Highlight the Participles. (2)

a. A laughing man is stronger than a suffering man.

b. The only thing that comes to a sleeping man is dreams.

c. Do not waste time staring at a closed door.

d. The painting was taken to the auction.

(V) Rewrite the sentences replacing the highlighted part with perfect Participles (2)

1. **They switched off the lights** before they went to bed.
2. **Raghu asked for his sister's permission** and then went out to play.
3. **Babita stirred the vegetables** and switched on the gas stove. 4. **we had worked in the garden all day** and we're very tired

(VI) Complete the sentences with the models and semi models below. Use each one only once. (2)

Needn't • Shouldn't • be able to •

mustn't • haven't. 1. you

..... drink and drive because

its illegal and dangerous

2. We won't buy a new car till we save money.
3. You take an umbrella; it's not raining outside.
4. You start eating before your host eats. It isn't very polite.

Question 6. I. Write the synonym for the following

(1.5)

- A. Awful
- B. Admit
- C. Success

(ii) Write the antonym for the following word.

(1.5) a. Victory

- b. Ample
- c. Abundant

(iii) Write the meaning of the following idioms and use them in the sentence of your own.

(3)

- A. Under the weather
- B. Cost an arm and a leg

Sample paper A class 7th HISTORY

CLASS- 7

SUBJECT: History/Civics

TIME: 2:30 Hrs.

M.M. 50

INSTRUCTIONS :

*Read the question paper carefully

*Marks are given against each question .

SECTION -1(COMPULSORY)

Question(1) Tick the correct answer .

(5)

(A) The holy book of the Christians i.e. Bible is divided into_____

(1) Five parts (2)Three parts

(3)Four parts (4)two parts

(B) Jesus spent his early life as

(1) A physician (2) a School teacher

(3)A farmer (4) a carpenter

(C) The Turks captured Baghdad and brought the end of the_____

(1) Ummayad rule (2)Abbasid rule

(3) Sunni rule (4)None of these

(D) The most famous Abbasid Caliph was_____

(1)Harun Al rashid (2) Mohammad

(3) Muhammad Al-Razi (4) ibn Sina

(E) Prithviraj Chauhan fought the battle of tarain against_____

(1) Mohammed Bin Qasim

(2) Mahmud of Ghazni

(3) Alberuni

(4) Muhammad Ghori

(F) The plunder of which temple brought Mahmud of Ghazni immense wealth?

(1) Punjab

(2) Kanauj

(3) Somnath

(4) Ujjain

(G) Razia Sultana, the first Muslim woman ruler of Delhi Sultanate, was the daughter

(1) Balban

(2) Iltutmish

(3) Qutubuddin Aibak

(4) Firuz Shah

(H) Who was the founder of the Lodi Dynasty :

(1) Bahlol Lodi

(2) Sikander Lodi

(3) Minhaj-i-Siraj (4) Daulat Khan Lodi

(I) The accounts of the village were managed by :

(1) Iqadar

(2) Muqaddam

(3) Munsif

(4) Patwari

(J) When was the Constitution adopted ?

(1) 29 August 1947

(2) 26 January 1950

(3) 26 November 1949

(4) 15 August 1949

Question 2) Fill in the blanks..... (5)

(1) The village administration was managed by the _____.

(2) Firuz Shah Tughlaq made the _____ system hereditary.

- (3)_____ received Iqtas.
- (4)_____ arranged irrigation facilities for the farmers.
- (5)The mixture of Persian and Hindu style in architecture is called _____ style.
- (6)The holy book of Christians is called the _____.
- (7)The Bible is divided into _____ parts.
- (8)Jesus spent his early life as a _____.
- (9)The most famous Abbasid Caliph was _____.
- (10)The famous Persian poet _____ wrote the great epic “Shahnama”.

Questions 3) Match the column (A) with column (B).

(5)

Column A.

Column B.

- | | |
|--------------------------|----------------------------|
| Jesus Christ. | a. Founder of Islam |
| 2. Prophet Muhammad. | b. Qutub Minar |
| 3. Mecca. | c. Fundamental Rights |
| 4. Qutub-ud-din Aibak | d. Founder of Christianity |
| 5. Constitution of India | e. Holy city of Muslims |
| 6. Delhi Sultanate. | f. Written set of laws |
| 7. Mahmud of Ghazni. | g. Slave Dynasty |
| 8. Fundamental Duties | h. Turkish invader |
| 9. Parliament. | i. Duties of citizens |
| 10. Iltutmish. | j. Law-making body |

Questions (4)State whether the following statements are True or False .

(5)

- 1)St. Paul spread the teachings of Christ in Greece and rome.

- 2) the head of the Roman church , the pope, was considered the representative on Earth.
- 3) Muhammad was born at Medina.
- 4) The Abbasids rule was replaced by Umayyad...
- 5) Muhammad Ghori established the Muslim rule in india....
- 6) Mahmud was interested in setting up an empire in India.
- 7) Qutubuddin Aibak built the Qutab Minar in Delhi.
- 8) Malik kafur was also known as Hazar Dinari because he was bought for a thousand dinars
- 9) the Sufi saint believed in one God.
- 10) Urdu, a new language, developed in the sultanate period.

SECTION- 2(COMPULSORY)

Questions 5) (Case study based Question)

NOTE * Attempt any one .

Read the passage given below and answer the questions that follow .

(2)

1

During the medieval period, India faced several invasions by Turkish rulers from Central Asia. These invasions changed the political and cultural history of India. One of the most famous invaders was Mahmud of Ghazni, who invaded India many times between 1000 CE and 1027 CE. His main aim was to collect wealth from rich temples and cities. He attacked famous places such as the Somnath Temple and carried away huge treasures.

After Mahmud, another important Turkish ruler, Muhammad Ghori, invaded India. Unlike the Mahmud of Ghazni, Muhammad Ghori wanted to establish his rule in India. He fought against Prithviraj Chauhan in the Battles of Tarain. In the Second Battle of Tarain (1192 CE), Muhammad Ghori defeated Prithviraj Chauhan. This victory helped the Turks establish Muslim rule in North India.

The Turkish invaders introduced new military techniques, strong cavalry, and better administration. Their success finally led to the establishment of the Delhi Sultanate, which ruled large parts of India for many years.

Questions

Why did Mahmud of Ghazni invade India many times?

How was Muhammad Ghori different from Mahmud of Ghazni?

Which battle helped Muhammad Ghori establish his power in India?

OR

2

India has a parliamentary form of government. In this system, the Parliament is supreme and it represents the people. The legislature at the centre is called the Parliament or the "Sansad".

The Parliament has two Houses- the Lower House (Lok Sabha) and the Upper House (the Rajya Sabha). The Parliament exercises supreme and sovereign power. The Union Council of Ministers headed by the Prime Minister, constitutes the real executive. Ministers are collectively responsible to the Lok Sabha. The Parliament has the power to amend any provision of the Constitution, except the basic structure. During British rule, the right to vote was limited. The Constitution of India guarantees universal adult suffrage. In other words, all adult citizens have the right to vote to elect a representative. The adoption of a universal adult franchise, without any qualification either of sex, property education or taxation was a bold experiment. During that period the overwhelming majority of Indians were poor and illiterate.

What is meant by Parliament?

Define the role of the Parliament.

Questions 6) Picture study

(3)



Study the picture and answer the following questions.

- (1) Identify the image.
- (2) Where is it located ?
- (3) Name the ruler who plundered it and when ?

Question 7) Draw the Timeline to show the Delhi sultanate dynasty . (2)

SECTION(3)

Question (8)

NOTE * Attempt any five questions. First question is compulsory.
(5×2=10)

- (1) Describe the teaching of Christ.
- (2) What are the five main religious teachings of islam?
- (3) Mention three most important invasions of Mahmud of ghazni.
- (4) Write in brief about the Rise and fall of Razia Sultan.
- (5) Who was taimur?when did he invade India?
- (6) What is Preamble? why is it important?

(7) What do you mean by the term constitution? what does it contain?

(8) How were the rates of Mohammed Ghazni different from the rates of Muhammad Ghori?

Question 9) Map work.

(3)

Two places attacked by Mahmud of Ghazni and Muhammad Ghori

Extent of Mahmud's empire

Questions (10) Projects

Sample A class 7th GEOGRAPHY

Silver Grove School

HALF-YEARLY EXAMINATION (2026-27)

CLASS- 7

SUBJECT: GEOGRAPHY

TIME: 2 Hrs.

M.M. 50

Instruction:- Read all questions attentively

It's compulsory to attempt all questions.

Do not write irrelevant answers only what you can.

A. Choose the correct option

(3)

1. Cultivable land is shown in:

(a) Red (b) Yellow

(c) Blue (d) Green

2. The grid system helps us:

- (a) To locate places (b) To find direction
- (c) To find the height of a place (d) To find the Climatic condition of a place

3. Contours are the imaginary lines that join the places of the same :

- (a) Altitude (b) Difference in height
- (c) Direction of slopes (d) None of these

4. The layer which transmits radio waves back to the earth is the.

- (a) Stratosphere (b) Exosphere
- (c) Thermosphere (d) Mesosphere

5. Which of the following is an element of weather:

- (a) Temperature (b) Humidity
- (c) Altitude (d) All of the above

6. An instrument that tells us about the wind direction.

- (a) Wind vane (b) Hygrometer
- (c) Anemometer (d) Barometer

B. Fill up the blanks.

(4)

1. The_____ explains the sign and symbols given in a map.
2. A map which shows relief and human features is a _____ map .
3. _____ harmful rays from the Sun which are prevented by the atmosphere .
4. _____ is released from air conditioners and refrigerators .
5. Air moves from the region where the pressure is_____ to a region where the pressure is_____.
- 6.the difference in air pressure between two places leads to_____.
7. The moisture content of the atmosphere is called_____.

C. Write whether the following statements are True or

False. (3) 1. The atmosphere is a blanket of air surrounding the Earth. _____

2.A thermometer is used to measure rainfall. _____

- 3.Greenhouse gases help trap heat in the atmosphere. _____
- 4.Topographical maps show only political boundaries. _____
- 5.Humidity means the amount of water vapor in the air. _____
6. Wind vane shows the direction of wind. _____

D. Answer the questions in brief 50-60 words.

(2x 5=10)

1. What is topographical Maps?
2. Name some greenhouse gases. Why are they called so ?
3. What surrounds the earth ?
4. Differentiate between Global warming and Green house Effect. (Give 2 differences).
5. Name the important elements of weather.

E. Answer any four questions in detail. Word limit (60 to 90)

(4 x 3=12)

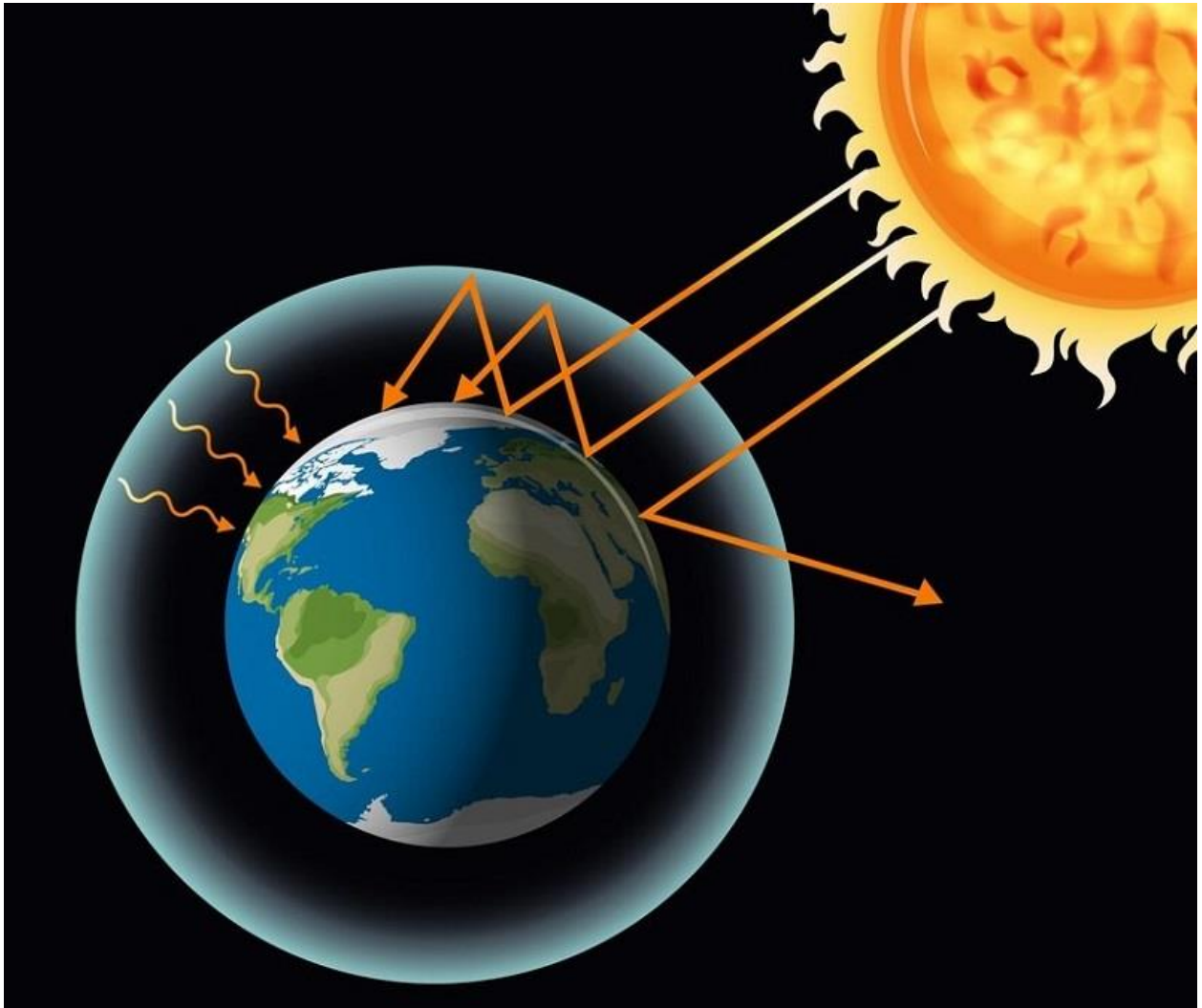
1. How is cloud cover responsible for affecting weather conditions?
2. Suggest two measures to control global warming?
3. What is the significance of the atmosphere?
4. Describe the impact of global warming and mention some ways by which it can be reduced.
5. How do animals living in Antarctica survive the cold.
6. Explain humidity in detail.

F. Define the terms(2)

- 1.Anemometer
- 2.Hygrometer

G. On the given outline map of India , mark and label the region received heavy rainfall and low rainfall: (3 marks)

H. Picture study. (1*3=3)



Observe the picture answer the following questions

1. What is the greenhouse effect? Name any two greenhouse gases responsible for it.
2. How does the greenhouse effect increase the temperature of the Earth? Explain briefly.
3. Write any three harmful effects of the greenhouse effect on the environment.

Project work.

(5)

Copy correction

(5)

Sample Paper
Class – 7
English – II
Set – A

Section A – Multiple Choice Questions

1. Ivan never bought lottery tickets because:

- (a) He never wanted to win money through lottery.
- (b) He thought his chances of winning were very low.
- (c) He did not like lotteries.
- (d) He was afraid of money.

2. The possibility of winning huge prize money:

- (a) Created selfish thoughts in Ivan and Masha.
- (b) Made Ivan and Masha more kind and generous.
- (c) Made them cheerful.
- (d) Had no effect on them.

3. In the paragraph, we learn that the peacemaker played the role of:

- (a) A wise adviser
- (b) A troublemaker
- (c) A silent observer
- (d) A careless man

4. What idea did the writer express in the last paragraph?

- (a) The group should not have gone to Ella Island.

- (b) The ranger had no right to shoot at the polar bear.
- (c) Tourism in the Arctic did not endanger polar bears.
- (d) The true cause of the incident was lack of food in the bears' habitat.

5. Swaminathan felt pain in his elbow because:

- (a) An insect had bitten him.
- (b) His teacher had pinched him.
- (c) He had an infection in his arm.
- (d) His bones were weak.

6. _____ has a pair of wooden clubs at home.

- (a) Swaminathan
- (b) Vedanayagam
- (c) Mani
- (d) Sankar

Section B – Read the extract and answer the questions

1. 'We haven't got the money yet, but it's already ripping us apart.'

- (a) Who said these words?
- (b) Why did the speaker say this?

OR

2. 'The 100 metres freestyle has seen several big increases in speed.'

- (a) What sport is the author talking about?
- (b) What are the reasons for the increase in speed?

Section C – Answer the following questions (Any Six) (10–20 words)

- 1. Why did Ivan want to buy a house in the country?
- 2. What did Ivan imagine doing near the river?
- 3. What do athletes wear to record their running speed and heart rate?
- 4. Why was Neymar told to slow down?
- 5. Why was the man called a muddlehead?
- 6. What did the man ask at the ticket office?

7. Where were the people hiking on the fourth day?

Section D – Answer the following questions (Any Three)

1. Why did Swaminathan dislike his arithmetic teacher?
2. In what ways did Malala find the character of Dorothy relatable to herself?
3. How did the ranger deal with the polar bear?
4. How would you describe the muddlehead's character and behaviour?

Section E – Analysis and Answers

1. Do you think current athletic records will be easily broken in the upcoming years? Share your opinion.
2. How does the poem reflect the human tendency to make mistakes and get confused?

Section F – Vocabulary

Write the meanings and make sentences using the following words:

1. charge
2. habitat
3. organised
4. obstacles
5. criticism
6. reprimand

Section G – Fill in the blanks with appropriate words

1. When the nurse _____ on Malala's face, there was pain.
2. The facial nerve didn't respond properly, hence it was _____.
3. The surgery ensured Malala's _____ recovery.
4. The current record for running a mile is _____ faster than Roger Bannister's.
5. Owens ran 100 metres in _____ in 1936.

Section H – True or False

1. Ivan and Masha remained happy after imagining the lottery winnings.
2. Modern technology has improved sports performance.
3. Swaminathan enjoyed arithmetic class very much.

4. Malala was unhappy to meet her parents.

Silver Grove School

CLASS: 7

SAMPLE PAPER – A

SUBJECT: PHYSICS

TIME: 2:00 Hrs.

M.M. 50

Instructions:

1. Do not write ambiguous answers.
2. Attempt the question paper in proper sequence and put the same alphabet and question number as given in the question sheet.
3. This paper consists of Sections A, B, C – all are compulsory. Section C is provided with internal choices; attempt only one.

Section A

Question 1: Choose the correct option to answer the given questions. [1×10 = 10]

1. A man standing in front of a plane mirror finds his image to be at a distance of 3 metres from himself. The distance of the man from the mirror is:

- (a) 6 m (b) 3 m (c) 1.5 m (d) 12 m

2. Which of the following is an example of luminous object?

- (a) Moon (b) Mirror (c) Sun (d) Book

3. The phenomenon responsible for the blue colour of the sky is:

- (a) Reflection (b) Refraction (c) Scattering (d) Dispersion

4. A stretched rubber band possesses:

- (a) Kinetic energy (b) Elastic potential energy (c) Muscular energy (d) Gravitational potential energy

5. Which of the following is a non-renewable source of energy?

- (a) Solar energy (b) Wind energy (c) Coal (d) Hydroelectric energy

6. When an object falls freely from a height, which energy transformation takes place?

- (a) Kinetic to potential (b) Potential to kinetic (c) Chemical to kinetic (d) Heat to kinetic

7. An inverter battery transforms _____ energy into _____ energy.

- (a) Chemical into chemical (b) Chemical into potential (c) Potential into chemical (d) Chemical into electrical

8. Which mirror is used in the headlights of a car?
(a) Plane mirror (b) Convex mirror (c) Concave mirror (d) No mirror
9. The angle of incidence is always measured from:
(a) The reflecting surface (b) The normal to the reflecting surface (c) The incident ray (d) The reflected ray
10. Energy can be:
(a) Created but not destroyed (b) Destroyed but not created (c) Neither created nor destroyed (d) Both created and destroyed

Question 2: State whether the following statements are True or False. [0.5×6 = 3]

- i) A windmill utilises kinetic energy of air to do mechanical work.
- ii) The image formed in a plane mirror is always virtual and erect.
- iii) Solar energy is a renewable source of energy.
- iv) The laws of reflection are valid in regular as well as irregular reflections.
- v) Sound is a form of mechanical energy.
- vi) A body at rest cannot possess kinetic energy.

Question 3: Analysis-based questions. [1×2 = 2]

- i) Why is the use of solar energy increasing nowadays as compared to coal?
- ii) A student claims that a dark-coloured object absorbs more light than a light-coloured object. Do you agree? Give a reason.

OR

What would happen if there were no atmosphere on Earth? How would it affect the colour of the sky?

Section B

Question 4: Answer in brief. [1×8 = 8]

- i) State the laws of reflection.
- ii) What is meant by regular reflection? Give one example.
- iii) Define energy. What is its SI unit?
- iv) Name any two sources of light.
- v) Give the characteristics of the image formed by a plane mirror.
- vi) What is diffuse reflection? How does it differ from regular reflection?
- vii) What is the law of conservation of energy?
- viii) Name any four forms of energy.

Question 5: Answer in detail. [2×4 = 8]

- i) Explain the term 'angle of incidence' and 'angle of reflection' with the help of a labelled diagram.
- ii) Differentiate between renewable and non-renewable sources of energy. Give two examples of each.
- iii) What is potential energy? How does the potential energy of an object change as it falls from a height?
- iv) What are the two forms of mechanical energy? Explain each of them with examples.

Question 6: Solve the following numericals.

[2×2 = 4]

- i) A body of mass 2 kg is at a height of 50 m. Find its potential energy. (Take $g = 10 \text{ m/s}^2$)

OR

A car of mass 500 kg is moving at a speed of 20 m/s. Calculate its kinetic energy.

- ii) A ray of light strikes a plane mirror such that the angle between the incident ray and the mirror surface is 35° . Find the angle of reflection.

Section C

Attempt any ONE of the following.

[5×1 = 5]

- Q1) a) What is solar energy? What is its significance?

OR

- b) Explain the concept of work-energy theorem with examples.

- Q2) a) Explain the scattering of light and describe how it causes the sky to appear blue.

OR

- b) Draw a neat diagram showing laws of reflection on a plane mirror. Label all parts.

***** Internal Assessment: 10 Marks *****

SetA

class VII

Silver Grove School HALF-YEARLY EXAMINATION (2026-27) CLASS-7

TIME: 2:30 Hrs.

SUBJECT: HINDI

M.M. 50

निर्देश-

- (i) प्रश्न पत्र दो भाग में विभाजित है सभी प्रश्न अनिवार्य हैं।
- (ii) दोनों खंडों के प्रश्नों के उत्तर देना अनिवार्य है।
- (iii) यथासंभव प्रत्येक खंड के उत्तर क्रमशः दीजिए।

खंड (क)

नीचे दिए गए चित्र को देखकर एक लेख अथवा कहानी अपने शब्दों में लिखिए।



प्रश्न 1. निम्न में से किसी एक विषय पर 150 शब्दों में संक्षिप्त लेख लिखें।

1 प्रकाश पर्व दिवाली

2. अविस्मरणीय यात्रा

प्रश्न 2. निम्नलिखित गद्यांश को पढ़कर नीचे दिए गए प्रश्नों के उत्तर दीजिए।।

विद्यार्थियों का लक्ष्य विद्योपार्जन है। राजनीति उसके लक्ष्य की पूर्ति नहीं कर सकती। राजनीति का खेल है जो अनेक दांव-पेच खेल कर जीवन में सफलता प्राप्त कर लेते हैं। यह सरल एवं शुद्ध हृद का रोग नहीं है। राजनीति छात्रों के अध्ययन में बाधा ही नहीं डालती बल्कि वह उन्हें गुमराह भी कर स छात्रों को चाहिए कि सर्वप्रथम अपने आप को योग्य बनाए और उसके बाद ही वे राजनीतिक क्षेत्र में कदम रखें।

1) विद्यार्थी का लक्ष्य है-

2) राजनीति कैसे लोगों का खेल है ?

3) कौन सा कार्य छात्रों के अध्ययन में बाधा डालती है ?॥

4) छात्रों को सर्वप्रथम अपने को कैसे बनाना चाहिए?

3. निम्नलिखित विषयों में से किसी एक पत्र को लिखें।

पने मित्र को उसकी विदेश यात्रा के लिए मंगल कामना करते हुए पत्र लिखिए।

खेल आयोजन की स्वीकृति हेतु प्रधानाचार्य को पत्र लिखिए ।

निम्नलिखित पद्यांश को पढ़कर नीचे दिए गए प्रश्नों के सही उत्तर लिखें

पायो जी मैंने राम रतन धन पायो।

वस्तु अमोलक दी मेरे सतगुरु, किरपा कर अपनायो। जनम जनम की पूँजी पाई, जग में सभी खोवायो।
खरचै नहीं कोई चोर न लेवे, दिन दिन बढ़त सवायो। सत की नाव खेवटिया सतगुरु, भवसागर तर
आयो। मीरा के प्रभु गिरधर नागर, हरख हरख जस गायो

1 मीरा के पद कविता के कवि का नाम लिखिए।

2 मीरा को अनमोल वस्तु किसने प्रदान की?

3 जन्म- जन्म की पूँजी पाई यह किसने कहा?

4 रतन एवं अमोलक शब्द के अर्थ लिखें?

प्रश्न (5)-निम्नलिखित शब्दों के 2-2 पर्यायवाची शब्द लिखिए।।

(क) कमल

(ख) गंगा

(ग) देवता

(घ) जल

6)-निम्नलिखित शब्दों के विलोम शब्द लिखिए ।

(क) उष्ण

(ख) गृहस्थी

(ग) दुर्जन

(घ) तटस्थ

प्रश्न 7) अनेक शब्दों के लिए एक शब्द-

- 1) जो दिखाई ना दे सके
- 2) जो कभी नष्ट नहीं होता
- 3) बिना विचार किया हुआ विश्वास
- 4) जिसकी कल्पना ना की जा सके

प्रश्न 8)-दिए गए मुहावरों का अर्थ लिखकर वाक्य में प्रयोग करें ।।

- 1) आँच न आने देना
- 2) आसमान पर थूकना
- 3) आग में घी डालना
- 4) आँसू पोछना

प्रश्न 9)- समास विग्रह कीजिए -

1) वनरक्षक

2) विश्वासपात्र

3) राजपुरुष

4) महाराज-

5) कर्तव्य-पालन

प्रश्न 10) निम्नलिखित प्रश्नों के उत्तर लिखिए।।

1) शब्द की परिभाषा उदाहरण सहित लिखिए ?

2) बनावट के आधार पर शब्दों का वर्गीकरण कीजिए और उदाहरण दीजिए

3) संज्ञा किसे कहते हैं उदाहरण सहित स्पष्ट कीजिए ?

4) समास किसे कहते हैं?

प्रश्न (11) निम्नलिखित लघुउत्तरीय प्रश्नों का उत्तर लिखें -

- 1) किस प्रकार भोग करने पर जीवन में आनंद प्राप्त होता है?
- 2 मीरा को किस रत्ना की प्राप्ति हुई थी ?
- 3) प्यार- भरी आंखों के देखने से दुःसाहस किस रंग का हो जाता है?
- 4) कवि सख्त बात की जगह किस से काम लेने को कह रहा है?
- 5) वनरक्षक ने किस प्रकार अपने कर्तव्य का पालन किया?
- 6) राजा पुंडरीक को क्या देता है ?
- 7) नंदलाल की कमर पर क्या शोभित है ?
- 8) मीरा ने भवसागर किसकी सहायता से पार किया?)
- 9) रानी ने कहाँ पर अंतिम सांस ली?
- 10) बन्दूकों का जवाब किससे दिया गया?

प्रश्न 12) निम्नलिखित दीर्घउत्तरीय उत्तरी प्रश्नों के उत्तर लिखें-

- 1) बड़ी चीजें बड़े संकटों में विकास पाती है इसका तात्पर्य क्या है ?
- 2) गिरे हुए लोगों को किस तरह उठाना चाहिए ?

3) राजा की तलवार खींचने पर वनरक्षक ने क्या कहा ?

4) प्रभु मीरा की किस प्रकार सहायता करते हैं?

5) रानी ने रामचंद्र देशमुख को क्या आदेश दिया?

Silver Grove school.

set A

Half yearly

Subject -Sanskrit

Class VII



02:30 hrs

M.M. 50

Name:

Roll No.

M.M. 50

सामान्य-निर्देशाः -

सर्वे प्रश्नाः अनिवार्याः सन्ति ।

•प्रश्नानाम् उत्तराणि संस्कृतभाषायाम् एव लेखनीयानि ।

•उत्तराणि पृथक् उत्तरपुस्तिकायां क्रमानुसालेखनीयानि ।

•स्वच्छता स्पष्टता च स्यात् ।

श्लोकपूर्ति कुरुत ।

1. अधोलिखित श्लोकों को पूरा करें. 5

2 निम्नलिखित शब्दानि अर्थ लिखत

2. पठितः, न, किञ्चित्, तथापि, साक्षरः, पादैः । च, गच्छामि, शोभितः, विहगः

(

(3)

3. पाठानुसारं रिक्तस्थानानि पूरयत

पाठ के अनुसार रिक्त स्थान

(2.5)

(क) एकस्मिन् वने एकः----- वसति स्म ।

(ख) तेन सिंहः ----- अभवत् ।

(ग) अहमपि तव----- करिष्यामि ।

(घ) एकदा सिंहः ----- जालेन बद्धः अभवत् ।

(ङ) तदा सः ----- तत् जालम् अकृन्तत्

4 नम धातु लृटलकार के रूप लिखिए ।

(5)

(नम धातु लृटलकार) रूप लिखत

5 पाठ के अनुसार उत्तर लिखिए ।

5

पाठानुसारम् उत्तरं लिखत ।

6 अधोलिखितानां समानार्थकानां शब्दानां परस्परं मेलनं कुरुत ।

निम्नलिखित समान अर्थ वाले शब्दों का परस्पर मेल कीजिए 2.5

हर्षस्य। उद्भवः

अभिव्यक्ति। विकासः

उद्गम। प्रकाशनम्

विख्यातानि। प्रसन्नतायाः

प्रसारः। प्रसिद्धन। +

7 प्रहेलिका 2

(ii) अहं कः ?

पठितो नास्म्यहं किञ्चित्, तथापि साक्षरोऽस्म्यहम्। पादैः विना च गच्छामि कथयामि विना मुखम्
॥1॥

(i) अहं कः ?

मम कण्ठः नीलः।

वर्षाकाले अहं नृत्यामि।

मम पुच्छम् अतीव सुन्दरम्।

8 अधोलिखितानां परस्परं मेलनं कुरुत। 3

निम्नलिखित का परस्पर मेल कीजिए।

9. संस्कृतं अनुवादयतु"

(5)

संस्कृत में अनुवाद करें

1 वह पढ़ता है/ वह पढ़ती है।

2. तुम पढ़ते/पढ़ती हो।

3. मैं पढ़ता/पढ़ती हूँ

4. वे दो पढ़ते/पढ़ती हैं।

5. तुम दोनों पढ़ते/पढ़ती हो।

10. चित्राणि दृष्ट्वा लिखतः5

चित्र को देखकर लिखें।



परियोजना कार्यम्

5

COMPUTER SCIENCE – SAMPLE PAPER - I

CLASS – VII Maximum Marks: 40

I. Fill in the Blanks (5 Marks)

1. A computer uses _____ devices to accept data and instructions.
2. A _____ is a magnetic storage device used to store and retrieve data.
3. The process of converting an analog signal into a digital signal is called _____.
4. The leftmost digit in a binary number is called _____.
5. A _____ is an e-mail scam that tricks people into revealing their personal information.
6. The _____ refers to acknowledging the author of the original source material.
7. This is one of the most popular spreadsheet software: _____.
8. A formula in Excel always begins with an _____ sign.
9. Cut, Copy, and Paste buttons are available in the _____ group on the Home tab.

10. Monitor, printer, and projector are examples of _____ devices.

II. State True or False (5 Marks)

1. A CPU is the brain of the computer.
2. Laser printers are also known as non-impact printers.
3. The base of the octal number system is 16.
4. Plagiarism is an act of using someone else's work and presenting it as one's own.
5. Transfer of huge files cannot be done using the Internet.
6. By default, numbers are left-aligned in a cell.
7. On an Excel sheet, column headings are represented by alphabets.
8. Control + Y key combination is the shortcut key for undo.
9. Clicking on the row heading selects the entire row.
10. The URL of a secure website starts with https://.

III. Name the Following (8 Marks)

1. What is the full form of USB?
2. Name any 2 output devices.
3. Write the full form of CD-RW.
4. How much data can be stored in a single-sided DVD?
5. How did people count back then when there were no tools?
6. Name any two number systems.
7. How many digits does the decimal number system have?
8. What is the base of the hexadecimal number system?

IV. Give the Full Forms (3 Marks)

- | | | | | | |
|-------|--------|--------|--------|--------|----|
| 1. CD | 2. DVD | 3. CPU | 4. ALU | 5. RAM | 6. |
| SRAM | | | | | |

V. Subjective Questions (14 Marks)

1. Differentiate between the Undo and Redo commands.
2. What is the difference between copying and moving data?
3. Describe the function of the AutoFill feature.
4. Explain the overwriting mode of editing in MS Excel.
5. Write a brief note on Microsoft Excel.
6. How is a workbook different from a worksheet?

7. Why is the CPU considered the most important unit of a computer system?

VI. Numerical Problems (5 Marks)

1. Convert 64 into the binary number system.
 2. Convert 101100 into the decimal number system.
 3. Convert (1204)₁₀ into the octal number system.
 4. Convert (2AB)₁₆ into the decimal number system.
 5. Add the binary digits: 10110 + 10001.
-



SILVER GROVE SCHOOL

Set A
CLASS- 7
SUBJECT: Biology

Time: 2 Hr

M.M.:

50

Name:

Roll

No.: _____

1. Read all the questions attentively.
2. The paper has three sections.
3. The intended marks for each question are given in brackets [].
4. 10 marks for Project work is included in the total marks.

Section A

Q1) Choose the correct option to answer the given questions.

(5x6=3)

1. Blood is a

- a.** epithelial tissue **b.** connective tissue **c.** supportive tissue **d.** conducting tissue

2. Four chambered heart is found in

- a.** birds **b.** mammals **c.** amphibians **d.** birds and mammals

3. All organisms belonging to fungi are

- a.** autotrophic **b.** parasitic **c.** saprophytic **d.** either saprophytic or parasitic

4. The earthworm is a /an

- a.** porifera **b.** annelid **c.** mollusc **d.** protozoan

5. Aquatic non flowering plants are

- a. bryophytes b. pteridophytes c. algae d. fungi

6. Bryophytes are found in

- a. dry places b. sea c. moist places
d. pond

Q2) Fill in the blanks with appropriate word:-

(1x5=5)

1. Umbrella shaped _____ usually grows on decaying wood or garbage.
2. _____ are soft bodied animals with shell.
3. Centipede and millipede are examples of _____
4. _____ are green plants that have rhizoids in place of roots.
5. Each level of organisation _____ than the lower one.

Q3) State whether these statements are true or false:-

(5x8=4)

1. Sponge is an example of segmented animals.
2. Arachnids have eight legs but no wings.
3. Starfish is a vertebrate.
4. Cardiac muscles are voluntary muscles.
5. Lymph helps us fight against infection.
6. Algae are most primitive thallophytes.
7. Bryophytes have needle like leaves.
8. Ferns and mosses produce spores.

Q4) Match the following Column A with that of Column B

(1x5=5)

Column A

1. Bag like body with tentacles around the opening
2. Body with small pores all over
3. Two chambered heart
4. Spiny skinned animals with star-shaped body
5. Animals with jointed legs

Column B

- A. Pisces
- B. Coelenterata
- C. Echinodermata
- D. Arthropoda
- E. Porifera

Q5) Choose the odd one out from the following.

(5x6=3)

1. Cockroach, Spider, Butterfly, Mosquito
2. Horse, Cow, Goat, Snake
3. Crow, Owl, Sparrow, Frog
4. Shark, Seahorse, Carp, Salamander
5. Paramecium, Amoeba, Euglena, Bacteria

6. Blood, Matrix, Plasma, Platelets

Section B

Q6) Complete the paragraph with correct words given in the Bracket

(5x6=3)

{Minerals, Rhizoids, Amphibian plants, Damp, Shady, Mosses}

Bryophyta includes _____ and liverworts. They grow as green velvety layer on _____ and moist walls, _____ soil and bark of trees. They are called _____. Bryophytes have stems and leaves, but no roots. They stick to the surface with the help of thread-like structures called _____. Rhizoids help them in absorbing water and _____ from the surface.

Q7) Answer in One word

(1x2=2)

1. Animals that can live both on land and in water.
2. Plants which do not have root, stem and leaves root.

Q8) Answer in brief in 50-60 word .

(1x5=5)

1. Give two main features of mammals.
2. Mention two divisions of angiosperms. Give two examples of each division.
3. Name any two diseases caused by bacteria.
4. Mention two advantages of classification.
5. Name the two groups of living organisms.
6. Differentiate between monocotyledons and dicotyledons with examples.
7. Name the three types of connective tissues.

Q9) Analysis based question

(1x2=2)

(i) Kangaroo keeps her young ones in an abdominal pouch.

(ii) An organism has no nucleus, is unicellular, and causes cholera.

Another has a nucleus, is unicellular, and causes malaria. Compare them and Classify them

Q10) Answer in Details

(2.5x2=5)

1. Name different classes of vertebrate animals with one example of each.

or

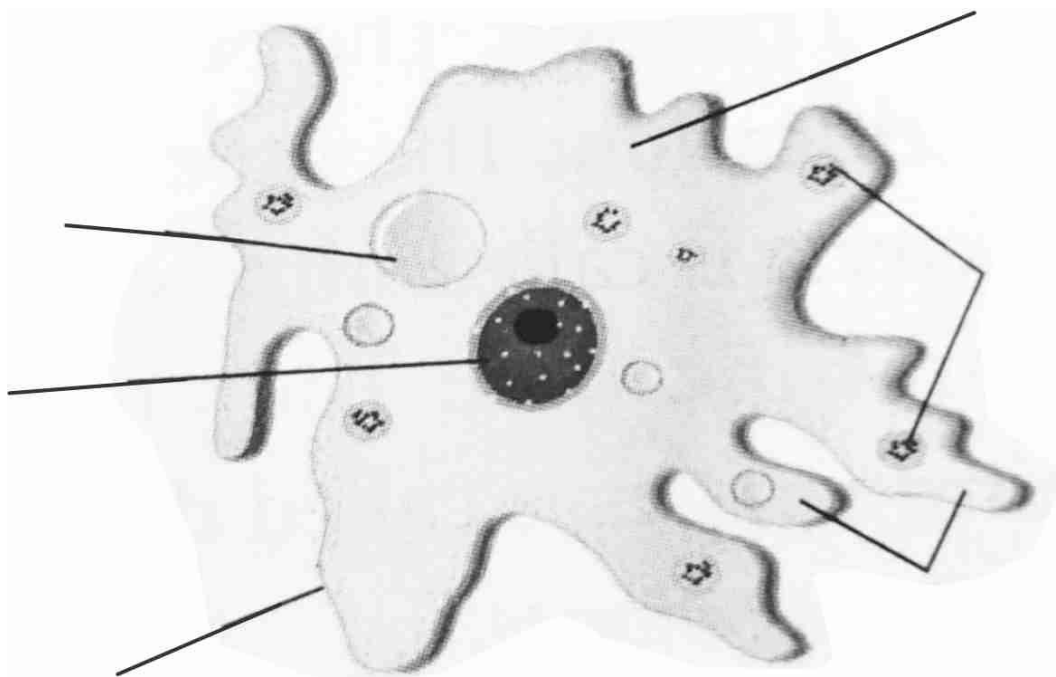
Write a note on the economic importance of bacteria.

2. How are fish different from amphibians?

or

Name two edible fungi. Why are fungi preferred as food.

Q11) Label the diagram
(3)



CLASS: VII - (CHEMISTRY)

Maximum Marks: 50 (Theory: 40 | Project: 10) |

SECTION A: THEORY (40 Marks)

Q1. Multiple Choice Questions. [5 Marks]

1. Isotopes are atoms of the same element having:

- (a) Same mass no., different atomic no.
- (b) Same atomic no., different mass no.
- (c) Same atomic and mass number
- (d) None of these

2. Which of the following is a trivalent ion?

- (a) Aluminium ion
- (b) Sodium ion
- (c) Zincate ion
- (d) Nitrate ion

3. The symbol of sodium is:

- (a) S
- (b) So
- (c) N
- (d) Na

4. Which of the following has variable valency?

- (a) Iron
- (b) Magnesium
- (c) Sodium
- (d) Potassium

5. The number of valence electrons in a magnesium atom ($_{12}\text{Mg}$) is:

- (a) 1
- (b) 2
- (c) 3
- (d) 0

QUESTION 2 :- ASSERTION REASON . (4mark)

Choose a, b , c ,d for correct option

1-Both assertion and reason are true and reason is the correct explanation of assertion

2-Both assertion and reason are true but reason is not the correct explanation of the assertion

3-Assertion is true but reason is false

4-Assertion is false but reason is true

(a)Assertion :- Common salt in water is a heterogeneous mixture

Reason :- A mixture in which the constituents are not distributed uniformly is called heterogeneous mixture

(b)Assertion :- Atomic number of sodium is 11

Reason :- 11 protons are present in the nucleus of sodium atom

(c)Assertion :- Carbon is an element

Reason :- element is a pure substance that cannot be broken down into simpler substance

(d)Assertion :- The electronic configuration of magnesium is 2,8,1

Reason :- magnesium atom contains 12 protons in its nucleus

SECTION B

Q3. Fill in the blanks with suitable words. [2 Marks]

1. E. Goldstein discovered positively charged particles called _____ in an atom.
2. A _____ is an atom or group of atoms having a charge on it.
3. The valency of aluminium is _____ whereas the valency of sodium is _____.
4. The chemical formula of carbon dioxide is _____.

Q4. State whether the following statements are True or False. Rewrite the incorrect statements. [2Marks]

1. The chemical formula of sulphur dioxide is SO_2 .
2. James Chadwick discovered neutrons.
3. Nucleus is negatively charged.
4. Mixtures have uniform composition.

Q5. Define the following terms (Attempt any Four). [8 Marks]

1. Atomic Number
2. Mass Number
3. Isotopes
4. Valency
5. Sublimation

Q6. Differentiate between Compounds and Mixtures (Give any three points). [5 Marks]

Q7. Complete the following Valency and Chemical Formula Table. [14 Marks]

Cation / Anion	Cl^- (Monovalent)	O^{2-} (Divalent)	PO_4^{3-} (Trivalent)
Hydrogen (H^+)			
Sodium (Na^+)			
Magnesium (Mg^{2+})			
Aluminium (Al^{3+})			

SECTION C: PROJECT WORK (10 Marks)

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Q12) Project
(10)