



SALWAN PUBLIC SCHOOL

Sector-15 (II), Gurugram

Winter Holiday Practice Sheet

(2017-18)

SERVICE BEFORE SELF

CLASS – VII

English

Sample Question Paper -1

Subject: English

Time Duration: 3 hours

M.M: 80

General Instructions:

- i) This paper is divided into four sections- A, B, C and D. All the sections are compulsory.
Section-A (Reading)- 20 Marks
Section-B (Writing)- 20 Marks
Section-C (Grammar)- 10 Marks
Section-D (Literature)- 30 Marks
- ii) Separate instructions are given with each section and questions, wherever necessary. Read these instructions carefully and follow them faithfully.
- iii) Do not exceed the prescribed word limit while answering questions.
- iv) 15 minutes time is allotted to read this question paper.

SECTION A –(Reading)

1. **Read the following passage carefully and answer the questions given below.**

1 Once upon a time there was a man. He lived thousands of years ago. We only have a faint idea of what he looked like. In fact we do not know very much about him at all.

2 What we do know about the man we have learned from what we have found deep in the ancient soil. Archaeologists have dug up artifacts and have traveled through dark caves. They have come up with drawings, skeletons and other items they have used to help us learn a little more about that man.

3 Who was that man? He was the great-great-grandfather of the human race. From what we know, he looked nothing like most humans look today. In fact, some think he looked a little bit like a monkey. His fingers were thin and his hands had hair on the back of them. His skin was dark brown because of the sun that beat down on him all day. His jaw was strong and his teeth looked like the teeth of a wild animal. They were razor sharp because he had to use them to tear apart tough meat.

4 That man lived off the land. He ate whatever leaves, plants and fruits he could find in the forests. Sometimes he took eggs from birds or feasted on carcass of a dead animal. With sharp stick and speed, he could sometimes catch small animals, such as birds and bunnies, to eat for dinner.

5 He could not cook his food. He did not know what fire was or have any other source of heat. In the winter, he braved the cold or hid in warmer

caves and piles of leaves. He did not have clothes to keep him warm. He did not have a home either. Instead, he and his family moved from cave to cave or stayed in hollowed out trees.

6 That man could not read, write or even speak words like we do today. He made sounds to warn other men of danger and to communicate his feelings.

7 The great-great-grandfather of the human race was not at all like humans are today. He did not have the skills or knowledge to help him get by. However, he learned to survive and gradually evolved to become the humans that we know today.

1.1. Choose the correct option to fill in the blanks: 1 x 4=4

- a) Ancient man lived off _____.
i) Air ii) Water iii) land iv) only animals
- b) We have learnt about the man through _____
i) books ii) ancient soil iii) social media iv) Stories
- c) The man looked like a _____
i) monkey ii) leopard iii) orangutan iv) parakeet
- d) His skin was _____
i) white ii) yellow iii) black iv) dark brown

1.2. Answer the following questions briefly: 2x3=6

- a) What have Archeologists found about the man?
b) Describe the Ancient man
c) Describe the man's lifestyle.

1.3. Find the words from the passage which mean same as: 1x2=2

- i) article of historic interest(para2)
ii) continue to live inspite of hardships(para 7)

2. Read the poem given below and answer the following questions.

If there is a future there is time for mending.
Time to see your troubles come to an ending
Life is never hopeless however great your sorrow-
If you're looking forward to a new tomorrow.
If there is time for wishing them there is time for hoping
When through doubt and darkness you are blindly groping.
Though the heart be heavy and hurt you may be feeling.
If there is time for praying there is a new day breaking.
Thank god for the promise though mind and soul be aching
If with harvest over there is grain enough for gleaning-
There is a new tomorrow and life still has meaning

2.1 Answer the following questions:

2x4=8

- a) When does life still have meaning?
- b) Why is life hopeless? How can it be fixed?
- c) What to do when in doubt?
- d) What should we thank god for?

SECTION-B – (Writing)

3. Write a bio-sketch of Steve Jobs based on the following information:

5

- **Born** – 24 February, 1955, California
- **Died** – 5 October, 2011
- **Education**- Reed College (dropped out)
- **Occupation**- Co- founder, chairman and CEO of Apple Inc CEO of Pixar
- **Known for**- Pioneer of the Personal Computer Revolution with Steve Wozniak

4. Complete the following story in 150-200 words.

8

A loud noise woke me up. Curious, I crept out of my bed and looked out of my window _____.

5. Write a letter to the editor of a national daily highlighting the cleanliness drive undertaken in your area and how it has helped the residents in your area.

7

SECTION-C – (Grammar)

6. Change the following sentences into reported speech. (yet to be done)

½ x4=2

- a) She said, “I love this beautiful kurta.”
- b) Surabhi said, “ My bike needs repair.”

7. Fill in the blanks with the correct determiner.

½ x6=3

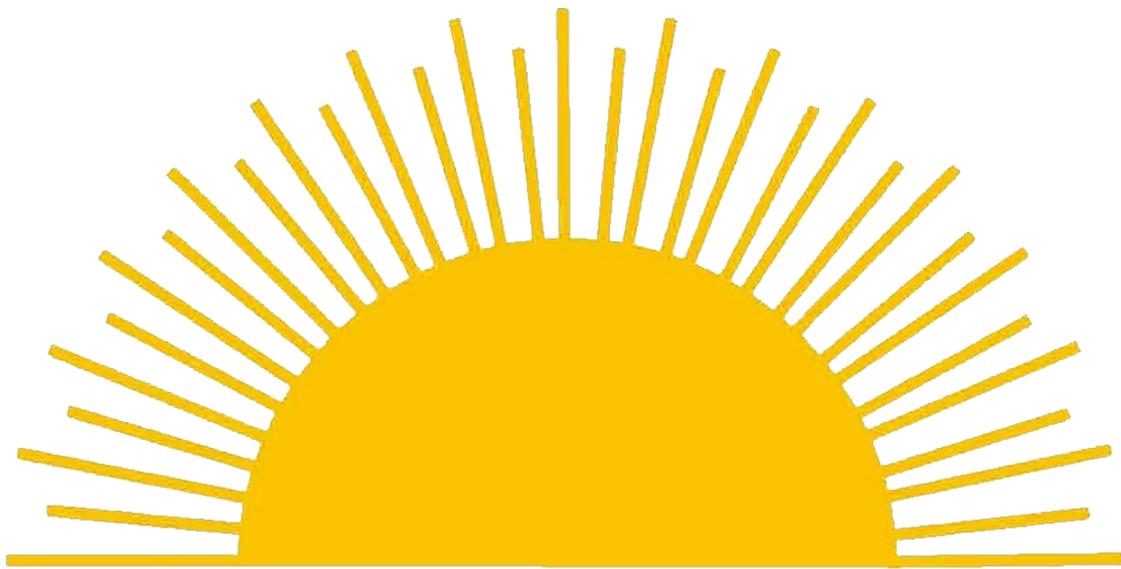
- a) _____ the patients had to report for tests. (every/all)
- b) I like their cakes, but not _____ of them are good. (every/all)
- c) The waiter gave _____ customer a glass of water. (every/all)
- d) There is _____ food to feed everyone. (much/enough)
- e) I watched _____ movies during the holidays. (much/many)
- f) Alex spoke very _____ hindi, so many in India couldn't understand him. (few/little)

- d) Why is Raina so eager to hear about the cavalry charge? (**yet to be done**)
- e) Why were the weavers “solemn and still”
- f) What did Cousin Helen tell Katy about the lesson of Hopefulness
- g) How could Katy make her room “a delightful place”?
- h) What roles did Mahindra and Sanghamitra play in spreading buddhism?

13. **Answer the following questions in about 80 -100 words:**

4x2=8

- a) Is the title ‘Instead of the War Drum appropriate’ appropriate? What was the alternative of war in the lesson?
- b) Do you think Raina was brave? Give reasons for your answer. (**Yet to be done**)



SERVICE BEFORE SELF

Sample Question Paper -2

Subject: English

Time Duration: 3 hours

M.M: 50

General Instructions:

Section-A (Reading)- 20 Marks

Section-B (Writing)- 20 Marks

Section-C (Grammar)- 10 Marks

SECTION A –READING

1. **Read the following passage carefully and answer the questions given below.**

The late Peter Marshall was an eloquent speaker. A Scots- American preacher was born on May 27, 1902. He was a pastor of the New York Avenue Presbyterian Church in Washington DC and twice appointed as Chaplain of the United States Senate.

Marshall heard a strong calling to the ministry at a young age. Despite having no money, he left Scotland and went to New York in 1927 when he was 24. Marshall's biography, 'A Man called Peter' was written by his wife, and '1955', a film adaptation of the same was nominated for the Academy Award.

He used to tell the story of the "Keeper of the Spring," a quiet forest dweller who lived high above an Austrian village along the eastern slope of the Alps.

SERVICE BEFORE SELF

The old gentleman had been hired by a young town councilman to clear away the debris from the pools of water up in the mountain crevices that fed the spring glowing through their town. He faithfully patrolled the hills, removed the leaves and branches, and wiped away the silt that would otherwise have choked the flow of water. The village soon became a popular tourist attraction. Graceful swans floated along the clear spring, the mill wheels of various businesses located near the water turned day and night.

Year passed. One evening the town council met for its semiannual meeting. As they reviewed the budget, one man's eye caught the salary figure being paid the obscure keeper of the spring. Said the keeper of the purse, "Who is the old man? Why do we keep him on year after year? No one ever sees him. He isn't necessary any longer." By a unanimous vote, they dispensed with the old man's services.

For several weeks, nothing changed.

By early autumn, the trees began to shed leaves. Small branches snapped off and fell into the pools, hindering the flow of sparkling water. One afternoon someone noticed a slight yellowish-brown tint in the spring, then the water turned darker and a foul odour was detected. The mill wheels moved slowly and finally ground to a halt. Swans left, as did the tourists. Disease and sickness spread in the village.

The council called a special meeting and rehired the old keeper and within weeks, new life returned to the hamlet in the Alps.

Never become discouraged with the seeming smallness of your task, job or life. Cling fast to the words of Edward Everett Hale: "I am only one, but still I am one. I cannot do everything, but still I can do something; and because I cannot do everything, I will not refuse to do something I can do."

1.1. Choose the correct option to fill in the blanks: 1 x 4=4

- a. **Peter Marshal was born in _____.**
i) New York ii) Scotland iii) Austria iv) London
- b. **Peter was a _____ in Presbyterian Church.**
i) Senator ii) Chaplain iii) Pastor iv) Pope
- c. _____ **was the film based on adaptation of Peter's biography.**
i) 1902 ii) 1927 iii) 1955 iv) 1950
- d. **Peter was fond of telling the story '_____.'**
i) A Man called Peter ii) Keeper of the Spring
iii) A Village in Austria iv) A Village in the Spring

1.2. Answer the following questions briefly: 2x3=6

- a. Why did village become popular tourist attraction?
b. Who removed the old man from the job? Why?
c. What message is delivered through this story?

1.3. Find the words from the passage which mean same as: 1x2=2

- i) interrupting (para 6) ii) waste or garbage (para 4)

2. Read the poem given below and answer the following questions.

My tea is nearly ready and the sun has left the sky;
It's time to take the window to see Leerie going by:
For every night at tea time and before you take your seat,
With lantern and with ladder he comes posting up the street.

Now Tom would be a driver and Maria go to sea,
And papa's a banker and as rich as he can be:
But I, when I'm stronger and choose what I'm to do,
Oh Leerie, I'll go around at night and light the lamps with you!

For we are very lucky, with a lamp before the door;
And Leerie stops to light it as he lights so many more;
An Oh! Before you hurry by with ladder and with light,
O Leerie, see a little child and nod to him tonight!

Answer the following questions:

2x4=8

- a. What does the poet see every night at tea time?
- b. What does the poet want to do when he will grow up?
- c. What does the poet feel lucky about?
- d. What suggestion is given by the poet to Leerie?

SECTION-B WRITING

3. Draw a poster on "Saving Rivers" issued by your school **5**
4. You are Arpita/Arpit. Write a letter to the editor of a national daily expressing your concern about the diminishing parks and open space in residential areas and give a few suggestions. **7**
5. Complete the following story. **8**
Right before turning right, the car screeched to a halt.....

SECTION-C GRAMMAR (yet to be done)

6. **Change the following sentences into Reported Speech** **1x2=2**
 - a. Ram said, "I want to watch a movie on Saturday."8
 - b. Hina said, "How can you take such rash decisions!"
7. **Fill in the blanks with appropriate determiners** **½ x6=3**
 - a. How _____ money was given for charity? (many/much)
 - b. How _____ books are there in your library? (many/much)
 - c. He spilt _____ milk on the counter. (much/a little)
 - d. There are _____ tigers left now. (less/few)
 - e. There are too _____ jobs in the market. (much/many)
 - f. _____ people really like Chinese cuisine. (some/much)
8. **Fill in the blanks in the following sentences using the most appropriate form of the verbs given in brackets:** **½ x6=3**

SERVICE BEFORE SELF
Here I (a) _____ (sit) thousands of kilometres from the sun on a rounded rock which (b) _____ (spin) at the rate of 150 kilometres an hour and (c) _____ (roar) through space to nobody knows where. And all round me the continents (d) _____ (drift) rootlessly over the surface of the planet; India (e) _____ (locate) into the underbelly of Asia, part of America (f) _____ (slide) off towards China by way of Alaska.

9. **Fill in the blanks with the appropriate degree of adjective.** **1x 2=2**
 - a. Pacific Ocean is the _____ ocean in the world. (large)
 - b. Blueberries are _____ than raspberries. (bad)

Maths

Sample Question Paper -1

Subject: Maths

Time Duration: 3 hours

M.M: 80

Q1-Q5 carry 2 marks each

Q6- Q15 carry 3 marks each

Q16 –Q25 carry 4 marks each

Q1. Show the terms & factors of the expression $5x^2 - 9yz$ by tree diagram.

Q2 Express 432 as a product of prime factors and write into exponential form

Q3. Find the base of a parallelogram whose area is 91.2 cm^2 and height is 0.08m.

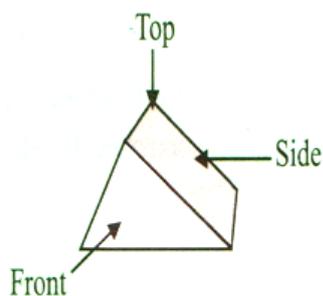
Q4. Write four rational numbers between (-2) & (-1).

Q5. Draw a line m, take a point T outside it. Through T, draw a line n which is parallel to m. (using ruler and compasses)

Q6. Name & draw an English alphabet having:

- i) Reflection Symmetry
- ii) No reflection Symmetry

Q7. Draw the Front, top and side view of the following solid.

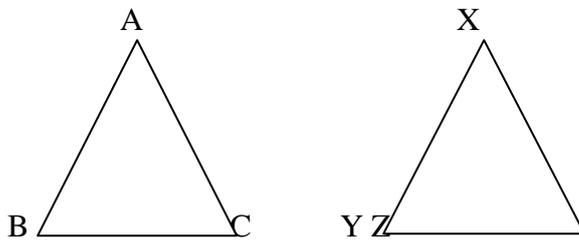


Q8. Solve for x

$$\left(-\frac{8}{5}\right)^4 \times \left(-\frac{8}{5}\right)^{x+5} = \left(-\frac{8}{5}\right)^{2x+3}$$

Q9. Simplify the expression $(5p + 7q) - (3p - 4q) + (-2p + 5q)$ & find the value if $p = -3$, $q = (-2)$

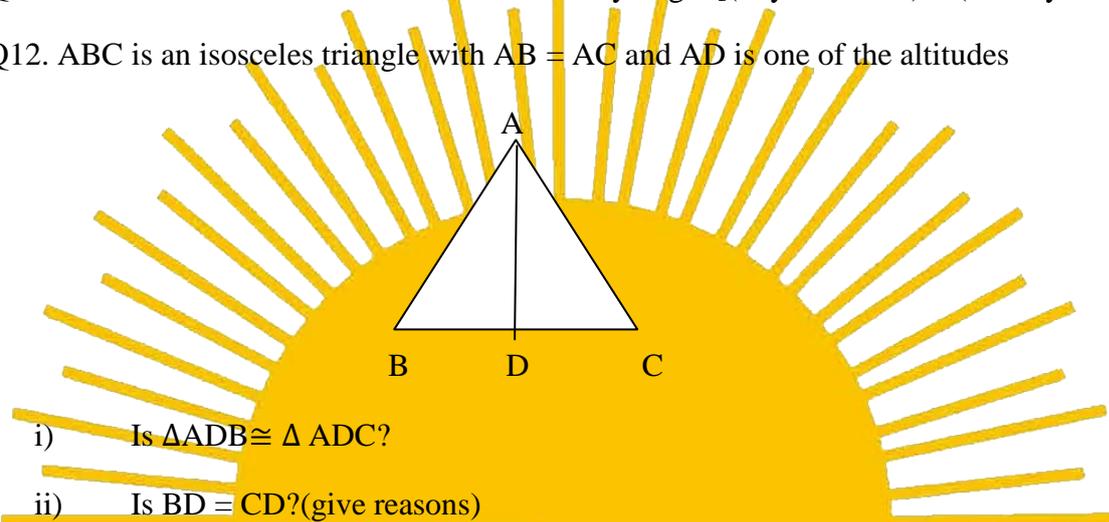
Q10. If ΔABC is congruent to ΔXYZ . Find



- i) x
- ii) y
- iii) $x + y$

Q11. What should be subtracted from $16x^2 + 4xy$ to get $[(2xy - 5x^2 + 4) + (4x^2 - xy + 2)]$

Q12. ABC is an isosceles triangle with $AB = AC$ and AD is one of the altitudes



- i) Is $\Delta ADB \cong \Delta ADC$?
- ii) Is $BD = CD$? (give reasons)

Q13. By what number should we multiply $(\frac{-15}{19})$ so that their product is $\frac{5}{38}$

Q14. Construct a ΔXYZ such that $XY = 4.5$ cm, $YZ = 5.5$ cm & $\angle XYZ = 105^\circ$

Q15. How many times will the wheel of a car rotate in a journey of 88km, given that the diameter of the wheel is 56cm? ($\pi = 22/7$)

OR

A copper wire when bent in the form of a square encloses an area of 121 cm^2 . If the same wire is bent into form of a circle, find the area of the circle? ($\pi = 22/7$)

Q16. Draw & show the rotational symmetry of square. Also write its angle of rotation & order of rotation.

Q17. Simplify (using laws of exponents):

a) $(y^3)^5 \times (y^2)^2 \div (y)^{18}$

$$\text{b) } \frac{2^8 \times a^7}{4^3 \times a^3}$$

Q18. From the sum of $3x^2 + 4x - 2$ & $-2x^2 + 2x + 1$, subtract the sum of $5 + 6x^2 - 4x$ and $15x + 2 - x^2$

Q19. Simplify (using laws of exponents):

$$\frac{12^4 \times 9^3 \times 4}{6^3 \times 8^2 \times 27}$$

Q20. What cross-section do you get when you give

- i) a vertical cut to an ice cream cone
- ii) a horizontal cut to a circular pipe (draw the figures also)

Q21. Arrange the following in descending order:

$$\frac{2}{-3}, \frac{7}{-18}, \frac{-4}{9}, \frac{5}{-12}$$

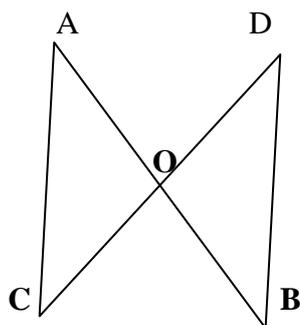
Q22. Construct a ΔPQR in which $PQ = 5.5$ cm, $\angle Q = 45^\circ$ and $\angle P = 75^\circ$ using ruler and compass.

Q23. The perimeter of the floor of a rectangular room is 17 m & its breadth is 5 m. Find

- i) the breadth of the room
- ii) the floor area of the room
- iii) the cost of flooring the room with square tiles of side 25 cm at the rate of Rs.850 per 100 tiles.

Q24. Two cross roads, each of width 2 m , run at right angles through the Centre of rectangular park of length 75 m & breadth 62 m & parallel to its sides. Find the area of the roads. Also find the cost of constructing roads at the rate of Rs. 105 per m^2 .

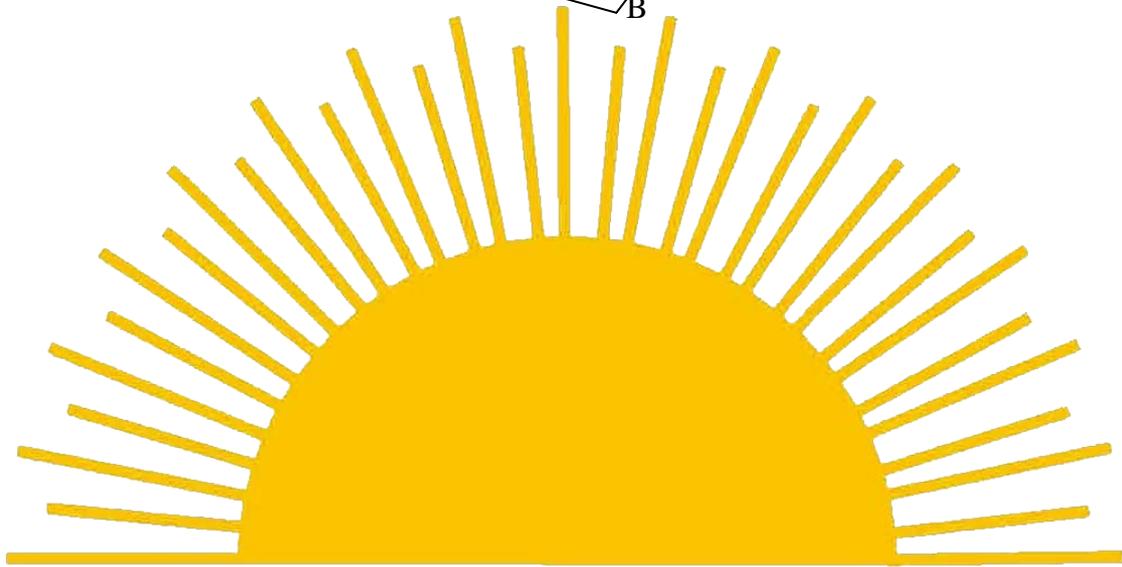
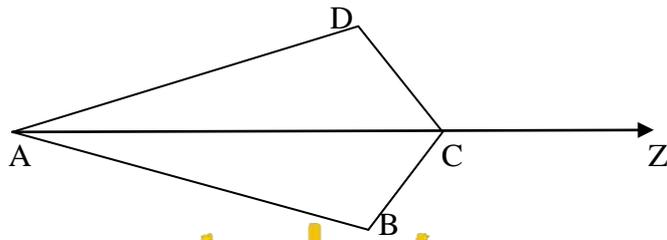
Q25. In figure below, Is $\Delta AOC \cong \Delta BOD$? Give reasons.



OR

In figure Ray AZ bisects $\angle DAB$ as well as $\angle DCB$.

- i) Is $\triangle ADC \cong \triangle ABC$?
- ii) Is $AD = AB$?
- iii) Is $\angle B = \angle D$? Give reasons)



SERVICE BEFORE SELF

Sample Question Paper -2

Subject: Maths

Time Duration: 3 hours

M.M: 80

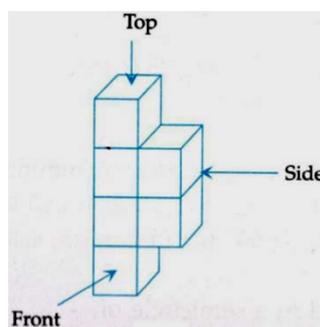
General Instructions:

Q1-Q5 carry 2 marks each

Q6- Q15 carry 3 marks each

Q16 –Q25 carry 4 marks each

- Q1. Express 405 as a product of prime factors and write it into exponential form.
- Q2. Draw a line t , draw a perpendicular to t at any point on t . On this perpendicular choose a point X , 5cm away from t . Through X , draw a line m parallel to t .(using ruler and compasses)
- Q3. The perimeter of a rectangular sheet is 1 m. If its length is 35 cm, find its breadth.
- Q4. Name and draw a figure having three lines of symmetry.
- Q5. Find four rational numbers between $\frac{-3}{7}$ and $\frac{-2}{7}$
- Q6. Two adjacent sides of a parallelogram are 15 cm and 10 cm. If the distance between the longer sides is 8 cm, find the area of the parallelogram. Also find the distance between the shorter sides.
- Q7. A floral design on the floor of a building consists of 3000 tiles. Each tile is in the shape of a parallelogram of altitude 3 cm & base 5 cm. Find the cost of polishing the design at the rate of 80 paise per dm^2 .
- Q8. Draw the front, top & side views of the following solid.



- Q9. Construct an isosceles right angled triangle PQR where $\angle PQR$ is 90° & $PQ = 6\text{cm}$.
- Q10. Name & draw an English alphabet having:
- Reflection Symmetry
 - No reflection Symmetry

Q11. Simplify the expression $3(x-2) - 4x - 5 + 2x$ & find the value when $x = -2$

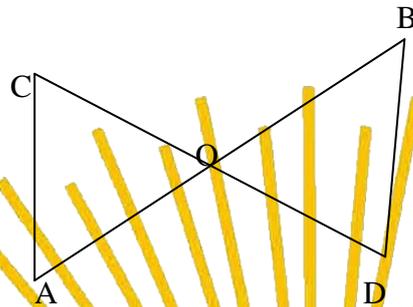
Q12. What should be subtracted from $(7-y+y^2)$ to get $[(y^2+6-3y) - (2y-5+2y^2)]$

Q13. A road 3.5 m wide surrounds a circular park whose circumference is 88 m. Find the cost of paving the road at the rate of Rs 60 per square metre. ($\pi=22/7$)

OR

A circular flower bed is surrounded by a path 4m wide. The diameter of the flower bed is 64 m. What is the area of this path? ($\pi = 3.14$) (draw the figure).

Q14. In figure AB and CD bisect each other at O.



i) Write the three pairs of equal parts in ΔAOC and ΔBOD .

ii) Is ΔAOC congruent to ΔBOD ?

iii) Is $\angle A = \angle B$? (give reasons)

Q15. A wire is in the shape of a rectangle. Its length is 30 cm & breadth is 20 cm. If the same wire is re-bent to form a square, what will be the measure of its side? Also find which shape will enclose more area & by how much?

Q16. Draw & show the rotational symmetry of an equilateral triangle. Also write its angle of rotation & order of rotation.

Q17. Simplify (using laws of exponents)

$$\frac{49 \times 7^3 \times 100}{10^3 \times 3^3 \times 7^4}$$

Q18 Subtract the sum of $(1 - 2x + 3xy + 4xyz)$, $(3x - 4xy - 5)$ and $(3x - 2xy + 4xyz - 1)$ from the sum of $(3x - 4y + 5xy - 6xyz)$ and $(7xyz - 6y - 7)$

Q19. A rectangular plot of land is 40 m long. The cost of levelling the plot at the rate of Rs. 8 per m^2 is Rs 8320. Find:

i) the breadth of the plot

ii) the cost of fencing the plot at the rate of Rs. 27.5 per metre.

Q20 .What cross-section do you get when you give

- i)a vertical cut to an ice cream cone
- ii)a horizontal cut to a circular pipe (draw the figures also)

Q21. Arrange the rational numbers in ascending order :

$$\frac{-3}{5}, \frac{7}{-6}, \frac{-4}{8}, \frac{9}{-10}$$

Q22. Construct triangle ABC if BC =5 cm, $\angle ABC = 105^\circ$ & $\angle BCA = 30^\circ$ (using ruler and compasses)

Q23. i) Find the value of m (using laws of exponent)

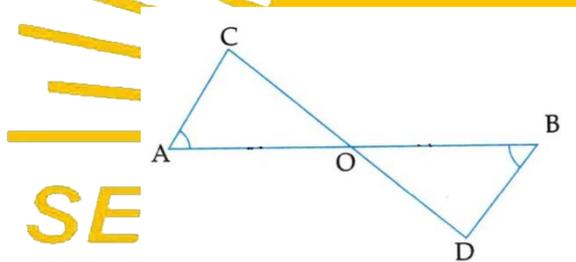
$$3^m \times 3^{2m+3} \times 9 = 3^{m+7}$$

ii)Simplify

$$[(5^2)^3 \times 5^4] \div 5^7$$

Q24. A rectangular lawn is 50 m long and 40 m broad and has two roads, each 5 m wide running in the middle of it, one is parallel to its length and other is parallel to its breadth. Find the cost of levelling the roads at the rate of Rs. 4.50 per square metre.

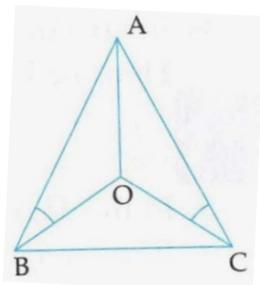
Q25. As shown in the figure, O is the mid point of AB and $\angle A = \angle B$. Show that $\Delta AOC \cong \Delta BOD$? Give reason.



OR

In figure OA bisects $\angle A$ and $\angle ABO = \angle ACO$.

- (i) Prove that $\Delta OAB \cong \Delta OAC$? Give reasons.
- (ii) Is $OB = OC$?



Science

Sample Question Paper -1

Subject: Science

Time Duration: 3 hours

M.M: 80

Instructions: All questions are compulsory.

1. Give one word for the following: 8x1=8

- a. Device used for measuring the daily temperature to prepare weather reports.
- b. Bases that are soluble in water.
- c. Soil that is considered best for growing pulses.
- d. Nutrient digested by bile juice.
- e. Phenomenon of removal of uppermost layer of soil.
- f. Chemical substances that are sour in taste.
- g. Cells that control the opening and closing of stomata.
- h. A natural dye extracted from lichens.

2. Give a reason for the following: 8x1=8

- a. Saprotrophs have heterotrophic mode of nutrition.
- b. Penguins huddle together during the cold winter season.
- c. Plants play an essential role in prevention of soil erosion.
- d. Toothpastes help in preventing tooth decay.
- e. Digital thermometers are preferred over mercury thermometers.
- f. Insectivorous plants grow in Nitrogen deficient soil.
- g. Animal right activists oppose the process of getting silk from cocoon.
- h. Formation of excess of HCl in our stomach is harmful for us.

3. Write any two differences with one example for the following: 2x2=4

- a. Conduction and Convection.
- b. Organic and Mineral acids.

4. Identify the given diagram and answer the questions that follow: 3



Fig. 8.2 Can with hot water being cooled

- i. What happens to the 'can' when it is cooled and why? 2
ii. Which property of air is represented by diagram represent? 1

5. Short answer questions :(20-30 words) 6x2=12

- a. Write any two properties of clayey soil.
b. In which city do you expect rusting to be a greater problem- in Lucknow or in Mumbai? Why?
c. Define Percolation rate of water. Which soil has highest percolation rate and why?
d. 'Mercury thermometer is used by doctors to measure human body temperature'. Write two precautions that should be taken while using it.
e. Justify the statement that 'burning of magnesium is a chemical change'. Support your justification with a word equation.
f. 'Red eyed frog can survive well in tropical forests'. Specify any two adaptations that help in its survival.

6. Answer in brief:(40-60 words) 5x3=15

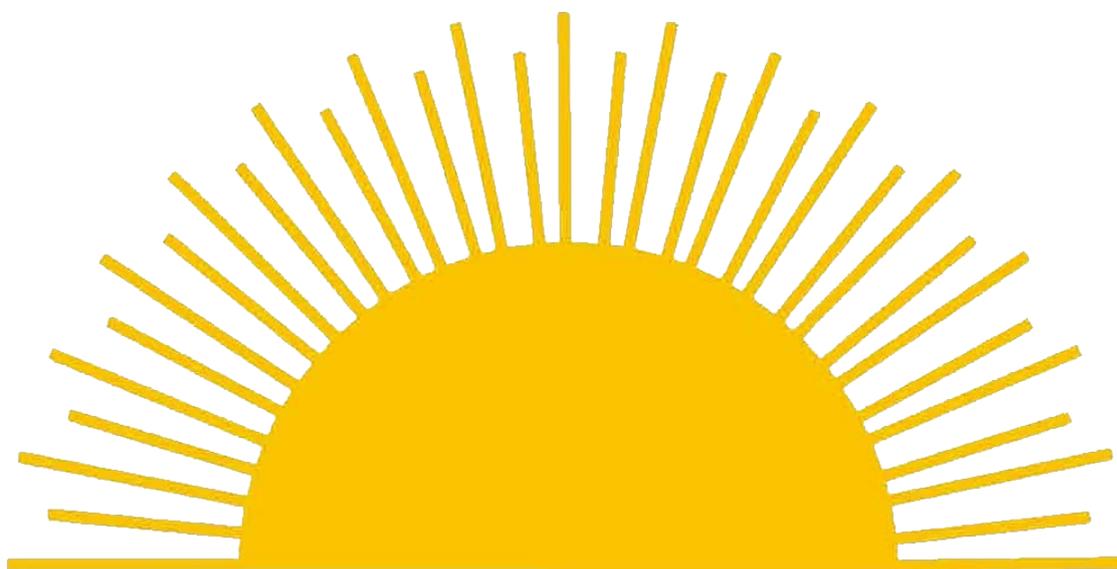
- a. What do you understand by soil profile? What are the names of four horizons of soil? 1+2
b. Describe the process of crystallization of copper sulphate. 3
c. What do you understand by migration? Why do some birds migrate to warmer region during winter region? Give example of one such bird. 1+1+1
d. Name and define the process of soil formation. Mention any two tiny organisms or creatures that live in soil. 2+1
e. Illustrate with the help of an activity that sunlight is necessary for photosynthesis. 3

7. Long answer questions :(Attempt any three out of four) 3x5=15

- a. i. What is a thunderstorm? State any two factors that may cause the formation of thunderstorm. 2

- ii. Write three precautions that should be taken during a thunderstorm. 3
- b. What role does the following parts play in Human digestive system: 1+1+1
- i.
- I) Mouth
- II) Teeth
- III) Oesophagus
- ii. Draw a well labeled diagram of human tongue showing different taste zones. 2
- c. How do green plants differ from non-green plants? 2
- i.
- ii. Give any one example of a non- green and mention its mode of nutrition. 1
- iii. Name the tiny pores present on the surface of the leaf of green plants. What will happen to the plant if these pores get blocked? 2
- d. i. Name the form of energy that causes the rise in temperature of an object. 1
- ii. Differentiate between conductors and insulators with one example for each. 2
- iii. Write one application each for conductors and insulators in our daily lives. 2
- 8. Value based questions: 3**
- Ramsharan was working in a sericulture industry for many years. One day he fell sick and doctor diagnosed him with a skin disease. Ramsharan's friend, Mohanlal who was an animal right activist was always opposed to Ramsharan working in the sericulture industry and advised him to quit his job. He helped Ramsharan financially and took care of him until he got well.
- SERVICE BEFORE SELF**
- i. Which disease is Ramsharan likely to suffer from? 1
- ii. Why is it common in workers working in sericulture industry? 1
- iii. What values are displayed by Mohanlal? 1
- Activity based questions:**
9. Two test tubes X and Y containing some unidentified solutions are taken. To test their acidic or basic nature, few drops of Methyl orange indicator are poured in both the test tubes which thereafter is confirmed with the help of some colour changes that shows red colour in test tube X and yellow in test tube Y. Which test tube out of the two contains acid and which one contains a base? 2
10. Describe the role of Phenolphthalein as an Acid-Base indicator. 2

11. List the changes that will take place when an iron nail is kept immersed in copper sulphate solution for few hours. 2
12. While eating your meal you drop some vegetable on your white shirt by mistake, which leaves a turmeric stain on it. While washing the stain with a detergent, what colour change do you observe and why? 2
13. While working in a laboratory you accidentally mix an acid and a base. What energy changes do you observe? Write one word equation for any such reaction. 2
14. You notice that a cut Brinjal turns brownish in colour if it is kept exposed to air for sometime. Explain the reason for this change. What kind of change is it? 2



SERVICE BEFORE SELF

Sample Question Paper -2

Subject: Science

Time Duration: 3 hours

M.M: 80

This paper contains 3 printed pages and 9 questions

1. Give one word for the following:

8x1=8

- a. Acid produced by anaerobic respiration in human muscle.
- b. Tissue that transports starch from leaves to different parts of the plant body.
- c. Closed path through which an electric current flows.
- d. Type of image that is formed on a screen.
- e. Complex network of food chains in nature.
- f. System of pipelines through which sewage flows.
- g. Chemical used to disinfect water from germs.
- h. Middle layer of trees in the forest.

2. Give correct reasons for the following:

8x1=8

- a. An earthworm does not survive in dry soil.
- b. People living on higher altitude have high red blood cells count in their bodies.
- c. Rainwater does not stagnate in the forest floor.
- d. A magnetic compass shows deflection of its needle when it is brought near to a current carrying conductor.
- e. A paper catches fire when light rays passing through a convex lens fall on it.
- f. In spite of huge availability of water on Earth, there is not enough for human consumption.
- g. Rich biodiversity is recorded in a rainforest.
- h. Paints and oil should not be directly disposed in the drains.

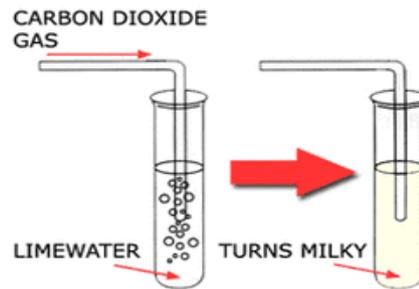
3. Differentiate between the following:(Write two points for each)

2x2=4

- a. White blood cell and Blood platelet
- b. Breathing and Respiration

4. Identify the given diagram and answer the questions that follow:

3



- i Write the chemical name of lime water. 1
- ii Why does lime water turn milky when carbon di oxide is introduced into it? 2
Write the word equation of the chemical reaction.

5. Short answer questions :(20-30 words)

8x2=16

- a. What are the two ways by which a frog does gaseous exchange?
- b. Name any one anaerobic organism. Write a word equation to represent respiration in its body.
- c. State two methods to make an electromagnet stronger.
- d. Why is air not filled in an electric bulb? Name the gas filled in it.
- e. Which mirror is used to make the torch reflector and why?
- f. Write two main reasons that have led to decrease in the water table.
- g. What is the difference between liver and pancreas?
- h. What happens to food after it reaches the small intestine?

6. Answer in brief:(40-60 words)

5x3=15

- a. Define a Blood capillary. State its two functions. 1+2
- b. Draw an electric fuse and briefly explain its working. 1+2
- c. What kind of image is formed by a plane mirror? State four characteristics of the image formed. 1+2
- d. Draw a diagram of drip irrigation. How does it help to conserve water? 2+1
- e. Name any three organisms found on forest floor. Describe the role of decomposers in a forest. 1.5+1.5

7. Long answer questions :(Attempt any three out of four)

3x5=15

- a. i. Why does government propose On Site human waste disposal technology in rural places? 1
- ii Name any two water borne diseases caused due to improper sewage disposal. 1

- iii Explain three steps of waste water Treatment Plant. 3
- b. i Explain the two effects caused when the electric current passes through a closed circuit. Write one example each. 2+1
- ii What do you understand by short circuiting? How can it be avoided? 2
- c. i Explain with an activity that light travels in a straight path. 3
- ii Write two uses each of concave mirror and concave lens in daily lives. 2
- d. i Discuss any three ways to do water management so that the crisis of fresh water is minimized. 3
- ii Explain two main effects of water scarcity on green plants. 2
- 8. Value based questions: 3**
- Uma Brought home a stray dog. She fed it before contacting the Blue cross society to hand it over to them. Why do you think she did so? If you were in her place, what would you do? State any one moral value Uma exhibited by this behavior.
- Activity based questions:**
9. Two litmus paper of blue colour are taken out of which one is dipped in solution A and the other one is dipped in solution B. It is observed that the litmus that was dipped in solution A turns red in colour but the litmus that was dipped in solution B shows no colour change. Which solution amongst A and B is acidic and which one is basic? 2
- 10. What is the role of Methyl orange as an Acid-Base indicator? 2**
- 11. What is the chemical name of Baking soda? Write down the word equation of reaction taking place between Baking soda and Vinegar? 2**
- 12. While working in a laboratory you accidentally mix an acid and a base. What energy changes do you observe? Write one word equation for any such reaction. 2**

Social Science

Sample Question Paper -1

Subject: Social Science

Time Duration: 3 hours

M.M: 80

General instructions:-

- Attempt all questions.
- Questions carrying **1 mark** should not exceed **20 words**.
- Questions carrying **3 marks** should not exceed **60 words**.
- Questions carrying **5 marks** should not exceed **100-120 words**.

Section 'A'-History

- Q1. Who were the parties involved in the 'Tripartite struggle' during the Medieval period? (1)
- Q2. What kind of irrigation works were developed in the Tamil region during the rule of Chola dynasty? (1)
- Q3. Which offices were held by Sa'adat Khan? (1)
- Q4. What is Manipravalam ? Name a book written in that language. (1)
- Q5. 'Temples were not merely places of worship but also played an important role in the social and economic life of the people during Chola period'. Explain. (3)
- Q6. How did the Rashtrakutas become powerful? (3)
- Q7. Distinguish between the 'trabeate' and the 'arcuate' principle of architecture from the seventh to tenth centuries? (3)
- Q8. **SERVICE BEFORE SELF** This is a picture of Guru Gobind Singh. Answer the following questions related to this picture: (1+1+1=3)



- Who was Guru Gobind Singh?
- With whom did Guru Gobind Singh fight most of the battles?
- Who succeeded Guru Gobind Singh?

Q9. On a Physical Map of India identify, locate and mark the following:- (4)

- Two central provinces under the control of Mughals.
- Two central places from where Chauhans ruled.

Q10. How did temples communicate the importance of a king? (5)

Q11. 'Muhammad Tughluq's administrative measures were a failure'. Explain the statement by giving examples. (5)

Section 'B'-Geography

Q12. Give a technical term for each of the following:- (1+1=2)

- a) A trade in which goods are exchanged without the use of money.
- b) The remains of the dead plants and animals trapped in the layers of rock.

Q13. Name the instrument used to measure the earthquake. (1)

Q14. Name the three layers of the earth. (1)

Q15. How have human beings adapted to the environment to fulfil their needs? (3)

Q16. Explain the rock cycle with the help of a diagram. (3)

Q17. Define the term 'Tides'. How are they caused? (3)

Q18. What are tides? Explain their types. (3)

Q19. Amount of insolation decreases from equator towards poles. Give reasons. (5)

Q20. Differentiate between exogenic and endogenic forces of the earth. (5)

Section 'C'-Political Science

Q21. What do you mean by the term 'Census'? (1)

Q22. How is the Governor of a state appointed in India? (1)

Q23. What are the main features of Public Health System? (3)

Q24. What major changes were made by the Kerala government in the state in 1996? (3)

Q25. Who is a MLA? How do some MLAs become ministers? (1+2=3)

Q26. Differentiate between branding and advertisements. (3)

Q27. What was the women's movement? List its any two positive outcomes. (5)

Q28. Television gives us a partial view of the world. Explain with example. (5)

Sample Question Paper -2

Subject: Social Science

Time Duration: 3 hours

M.M: 80

General instructions:-

- Attempt all questions.
- Questions carrying **1 mark** should not exceed **20 words**.
- Questions carrying **3 marks** should not exceed **60 words**.
- Questions carrying **5 marks** should not exceed **100-120 words**.

Section 'A'-History

- Q1.** Define the term 'Prashasti'. (1)
- Q2.** Name the two most powerful rulers of Chola Empire. (1)
- Q3.** How did Garha Katanga earn much of its wealth? (1)
- Q4.** Mention two influential tribes of Punjab. (1)
- Q5.** Why were people attracted to Buddhism and Jainism? (3)
- Q6.** How do historians divide the past into periods? Do they face any problems in doing so? (3)
- Q7.** What were the policies adopted by Asaf Jah to strengthen his position? (3)
- Q8.** Read the following passage and answer the questions given below: (1+1+1=3)
- "Find Mongolia in your atlas. The best-known pastoral and hunter-gatherer tribe in history were the Mongols. They inhabited the grasslands (steppes) of Central Asia and the forested areas further north. By 1206 Genghis Khan had united the Mongol and Turkish tribes into a powerful military force. At the time of his death (1227) he was the ruler of extensive territories. His successors created a vast empire. At different points of time, it included parts of Russia, Eastern Europe and also China and much of West Asia. The Mongols had well-organised military and administrative systems. These were based on the support of different ethnic and religious groups."
1. Who were Mongols?
 2. Which areas were inhabited by the Mongols?
 3. Who united the Mongol and Turkish tribes into a powerful military force?
- Q9.** On a physical map of India, mark and label the following dynasties region: (4)
- a) Gurjara –Pratiharas b) Rastrakutas c) Cholas d) Pandyas
- Q10.** What were the qualifications necessary to become a member of a committee of the sabha in the Chola Empire? (5)

Q11. What are the important architectural features of Bengal? (5)

Section 'B'-Geography

Q12. Give reason for the following:- (1+1=2)

- a) We cannot go to the centre of the earth.
- b) Limestone is changed into marble.

Q13. Name the instrument used to measure the rainfall. (1)

Q14. Why do the lithospheric plates move ? (1)

Q15. Mention the features of Prairies grasslands. (3)

Q16. Draw a well labelled diagram of Earth's Interior. (3)

Q17. Give a brief description of the interior of the earth with the help of a diagram. (3)

Q18. How are spring tides and neap tides formed? (3)

Q19. Explain the various domains of the earth. (5)

Q20. How are intrusive and extrusive rocks formed? (5)

Section 'C'-Political Science

Q21. What do you mean by OPD? (1)

Q22. What is meant by branding a product? (1)

Q23. Why do packaged daals cost more than those sold loose? (3)

Q24. What do you understand by the term 'all persons are equal before the law'? Why do you think it is important in a democracy? (1+2=3)

Q25. In advertisements , emotions are being targeted. Explain with an example. (3)

Q26. How does media affect our daily life? Give three examples from your life. (3)

Q27. Differentiate between Public Healthcare and Private Healthcare Services. (5)

Q28. Education plays an important role in the growth of personality of a female. Explain. (5)