

St. Mary's School, Dwarka
Holiday Homework
Class VI
Week 3
Worksheet 3

Subject: English

Q1. Read the passage carefully.

The most characteristic feature of spiders is their ability to produce silken threads. Spiders normally have six finger-like silk glands, called 'spinnerets' located beneath their abdomen. To spin a web, the spider squeezes the silk out of its body through two small holes. The liquid silk is thicker than water and dries into a fine thread as soon as it comes in contact with air. Spider silk is much stronger than steel and resists breakage because of its elasticity. It can stretch up to 140 per cent of its original length. Sometimes the spider can also use its silk as a safety feature.

The spinning of webs is a remarkable example of instinctive behaviour. A spider does not have to learn how to make a web, although spinning itself can be adopted to unique circumstances. For example, 'orb' webs are circular in shape and take an hour to build. Funnel spiders spin a net-like entrance to their homes, which helps to trap food. Similarly, trap door spiders dig their homes and spin a trap door out of their silk for trapping insects. As integral components of our biosphere, spiders have an intrinsic existence value. They are efficient predators that play an important role in controlling pests that attack cotton. They are also a source of food for other creatures, such as birds and wasps. Thus, the presence of spiders is an ecological indicator signalling the health of natural ecosystem.

On the basis of the reading of the above passage, answer the following questions: (½ x5=2.5)

I. Why doesn't the spider silk break easily?

- a) It is because of its beauty
- b) It is because of its elasticity
- c) It is because of its length
- d) It is because of its sticky substance

II. What could the spider use for its safety?

- a) Its legs
- b) Its eyes
- c) Its silk
- d) Its eyesight

III. What is the most extraordinary example of spider's behaviour?

- a) Its ability to trap insects
- b) Its ability to control the pests
- c) Its ability to trap food

- d) Its ability to spin webs

IV. What helps funnel spiders to trap food?

- a) Net-like webs
- b) Trap door
- c) Silk webs
- d) Sticky webs

V. Why are spiders referred to as efficient predators in the above passage?

- a) They control the pests of cotton
- b) They control the population of insects
- c) They maintain the ecological balance
- d) They provide food for other creatures

Q2. You are Karan. You receive a telephonic message from your brother's friend Deepak saying that he will not be able to participate in the football match tomorrow as he is suffering from fever. He wants your brother to call him immediately. Draft a message for your brother as you need to leave for your coaching classes. (2)

Q3. "Exercise not only changes our body; it changes our mind and our attitude."

Write a paragraph on 'The Importance of Exercise in Our Lives'. (3)

Q4. "Monuments are the grappling-irons that bind one generation to another." Design a poster to make people aware of the importance of preserving our historical monuments. (3)

Q5. Fill in the blanks with suitable words:

(1/2 x4=2)

The fortune teller moved her dry and shrivelled hands over the glass ball that (a) _____ had bought at a dollar store a long time ago. She could hear the laughter and the occasional shouts of the children as (b) _____ ran outside from ride to ride and from tent to tent. They never came in to see (c) _____. Many teenagers were eager to hear stories about far off places and dark, mysterious strangers. So the fortune teller always told them what (d) _____ wanted to hear.

Q6. Fill in the blanks with appropriate words:

(1/2 x4=2)

- a. We need _____ (a few/ much) chairs for the auditorium.
- b. Did you get _____ (a little/ any) new assignments today?
- c. There is always _____ (a lot of/ many) traffic on this route.
- d. There was _____ (the/a) storm last night.

Q7. Choose the correct option to answer the following questions.

(½ x5=2.5)

I. He has been working very _____ these days.

- a) hardly
- b) harder
- c) hard
- d) mostly

II. A holiday by the beach is _____ than a holiday to the mountains.

- a) better
- b) good
- c) best
- d) most good

III. It took us _____ five hours to reach the airport.

- a) enough
- b) nearly
- c) rarely
- d) nearby

IV. I have packed _____ sandwiches for lunch.

- a) any
- b) much
- c) most
- d) a few

V. Tara completed her homework _____ as she had to attend a birthday party.

- a) quickly
- b) rarely
- c) softly
- d) safely

Q8. Fill in the blanks with the correct form of the words given in the brackets.

(½ x4=2)

Hina had to go to Pune last week, but she almost (a) _____ (miss) the plane. She was standing in the queue when she suddenly (b) _____ (realise) that she had forgotten her ticket at home. Fortunately, she (c) _____ (live) nearby. She (d) _____ (hire) a taxi, went home to collect the ticket and came back just in time.

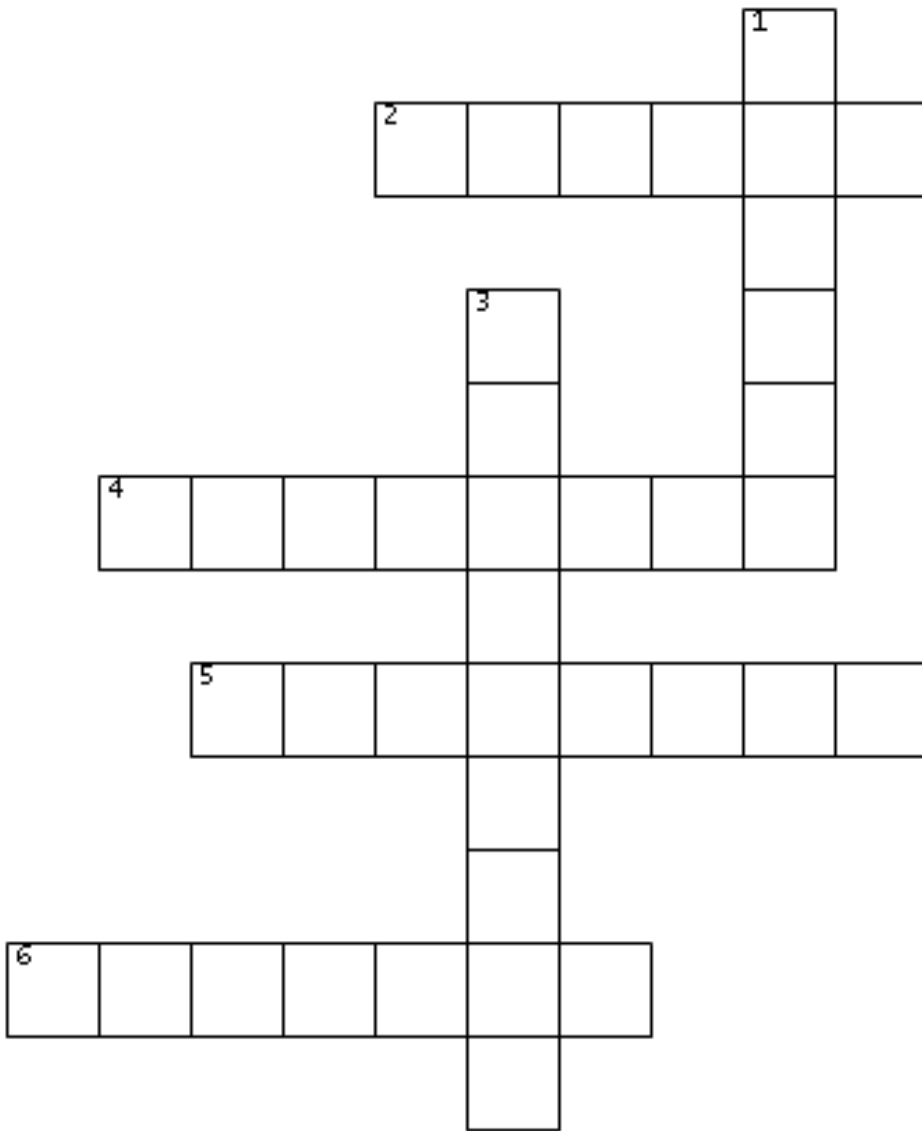
Q9. Answer the following question in 30-40 words.

(3)

Describe Snowy in your own words. What similarities do you notice between Narinder and Snowy?

Q10. Solve the following crossword with the help of the given clues.

(3)



patiently, slowly, meekly, politely, sleepily, quickly,

Across

1. The bus is moving so _____. We will never get there on time.
4. We all waited _____ for our names to be called out.
5. Talk to people _____ and everybody will be willing to help.
6. Hari yawned _____ at the dinner table.

Down

2. The thief was frightened and spoke to the officer _____.
3. He solved the exercises _____ as they were very simple.

Subject: Hindi

M. M - 25

प्रश्न 1 भाषा किसे कहते हैं व उसके कितने भेद होते हैं? (2)

प्रश्न 2 बोली और मानक भाषा में क्या अन्तर है? (2)

प्रश्न 3 निम्नलिखित भाषाओं की लिपि लिखिए। (2)

1 संस्कृत 2 पंजाबी 3 उर्दू 4 हिंदी

प्रश्न 4 निम्नलिखित गिनतियों को शब्दों में लिखिए— (2)

7, 11, 16, 20

प्रश्न 5 निम्नलिखित मुहावरों के अर्थ लिखकर वाक्य में प्रयोग कीजिए। (2)

1 नौ-दो ग्यारह हो जाना 2 आग-बबूला होना

प्रश्न 6 संकेत बिंदुओं के आधार पर 60 से 80 शब्दों में अनुच्छेद लिखिए — (3)

बाल दिवस —1 भूमिका

2 मनाने का कारण और तरीका

3 लाभ और संदेश

प्रश्न 7 दादाजी के जन्मदिन की तैयारियों को लेकर पिता और पुत्र के बीच हो रही बातचीत को संवाद के रूप में 50 से 60 शब्दों में लिखिए। (3)

प्रश्न 8 'अल्टीमेट' कंपनी की ओर से 'सिंगणा घड़ी' के प्रचार-प्रसार के लिए आकर्षक विज्ञापन तैयार कीजिए— (3)

प्रश्न 9 निम्न संकेत बिंदुओं के आधार पर कहानी को पूर्ण रूप दीजिए— (3)

जंगल में भूखा शेर और उसका बहुत से जानवरों को मारना.....पशुओं के सम्मेलन में एक पशु रोज़ भेजने का फैसला लेना.....एक दिन खरगोश की बारी का आना.....खरगोश का देर से पहुँचना...शेर को देरी का कारण बताना.....दूसरे शेर द्वारा रोके जाना.....खरगोश द्वारा कुँ में शेर को दिखाना.....शेर का कुँ में कूदना.....।
शिक्षा—.....

प्रश्न 10 निम्न चित्र का 60 से 80 शब्दों में वर्णन कीजिए—

(3)



शोध एवं परियोजना कार्य

प्रत्येक स्वर से एक शब्द लिखकर उससे संबंधित कोई भी मनपसंद आकृति बनाकर रचनात्मक तरीके से दर्शाइए।

Subject- Mathematics

No. of questions: 20

- Q1. What is the sum of the digits at ten million place and at ten crores place in the number
545698547845? 1
- Q2. What is the Hindu-Arabic numerals for DCCCXCVII? 1
- Q3. In Roman numerals, a symbol can be repeated at the most ____ times. 1
- Q4. Write the smallest 6-digit number using the digits 5, 0, 6, 3, 1, 4 1
- Q5. If $a=35$, $b=11$ and $c=23$, then what is the value of $a \times (c-b)$? 2
- Q6. Simplify $4\frac{3}{5} - 2\frac{7}{9} - 1\frac{2}{15} - \frac{2}{5}$ 2
- Q7. If $\frac{3}{4} = \frac{x}{28} = \frac{y}{32}$, then what is the value of x and y ? 2
- Q8. Divide the following – 2
- (i) $7,482 \div 37$
- (ii) $1,944 \div 24$
- Q9. Write 89 and 829 in Roman Numerals. 2
- Q10. Write the numeral for – 2
- (a) CDXLIV
- (b) DLV
- Q11. If 0.75 of a number is 1200, then what is $\frac{5}{8}$ of that number? 3
- Q12. A shopkeeper has 423 kg of sugar. He sells 42 kg of sugar every day. Estimate how much sugar is left after 6 days sale to the nearest hundred. 3
- Q13. Mr. Verma is building a boundary outside his house. He has 1,596 bricks. How many rows of 21 bricks each can he lay for the boundary? 3
- Q14. Simplify - 3
- (a) $5 + (10 \div 2) - 4$
- (b) $30 - (20 \div 5) \times 6$
- (c) $10 + (3 \times 5) - 12 \div 6$
- Q15. What should be added to the difference of 5.8 and 2.53 to get 20.87? 3

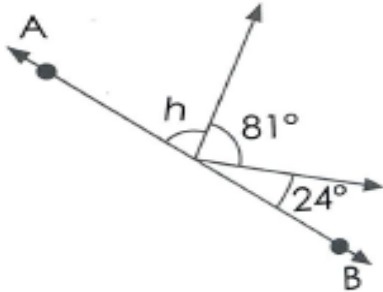
Q16. Find the LCM of –

3

- (a) 30, 45 and 70
- (b) 12 and 18

Q17. Find the value of h in the given figure.

4



Q18. Fill in the blanks :

4

a) $48,000 \div 48 = \underline{\hspace{2cm}}$

e) $5,10,800 \div \underline{\hspace{2cm}} = 5108$

b) $300 \div \underline{\hspace{2cm}} = 1$

f) $718 \div 1 = \underline{\hspace{2cm}}$

c) $1,500 \div 30 = \underline{\hspace{2cm}}$

g) $808 \div 8 = \underline{\hspace{2cm}}$

d) $16,000 \div \underline{\hspace{2cm}} = 400$

h) $360 \div 30 = \underline{\hspace{2cm}}$

Q19. For a concert, Vishal spent Rs 4,74,560 on musical instruments, Rs 8,12,320 on food, Rs 3,28,254 on decoration and Rs 56,480 on advertisement. Find the total amount spent by him.

4

Q20. What is the least number which when divided by 12, 16, 24 and 48 leaves a remainder of 3, 7, 15 and 39 respectively?

4

Projects:

Q. Make a PowerPoint Presentation on types of triangles based on various angles and sides. Draw each triangle and write few lines in different slides.

OR

Choose any five countries and complete the following table –

S. No.	Name	Population in 2020	Estimated Population (by general rule)	Difference

(i) Write the population of any 2 countries (in words) using Indian system and 2 countries in International system of numeration.

(ii) What is the sum of actual population of all these countries?

(iii) Find the difference of actual and estimated population of each country and identify for which country this difference is maximum and minimum.

Subject: Science

Objective:

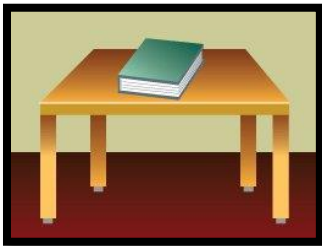
- Revision of concepts.
- Skills to carry out research and develop scientific aptitude.
- Encouraging learning through experience.

Instructions:

- * Neatly write the answers in your Science notebook.
- * Attempt the questions keeping in mind the weightage of each question.
- * Assignment 'Summer Holiday Homework' will be created on TEAMS. PDF of the written work should be uploaded on it.

Week 3 Let's Recap 1

- Q1. You want to reach your school on time. What will you consider when deciding whether to walk take a cycle or a bus to you school and why? (1)
- Q2. Select the correct unit of measurement to fill in the blanks. (1)
- (i) The volume of water in a bucket is measured in _____. (litre/ metre)
- (ii) Weight of the person is measured in _____, (kilogram/ milligram)
- Q3. In Fig. A- A book is kept on a table and Fig. B. birds are flying. Which object is in rest position and which is in motion? (1)



- Q4. Observe children playing football in the ground. Do they move in a particular direction or in different directions? List another example of such a movement from your daily life. (2)
- Q5. Measure the length of your study table. Which two measuring instruments can you use to measure it? What is the standard unit of length? (2)
- Q6. (i) Identify the object shown in the picture. (2)



- (ii) List four vehicles where it is used.

Q7. Ahmed wishes to travel from Delhi to Mumbai which is about around 1,436 kms. (3)

(i) Which mode of transport is best for his journey- cycle, auto-rikshaw, bus or a train?

(ii) If time is a constraint, which mode of transport should he choose- land or air and why?

(iii) How did people travel before the invention of wheel?

Q8. Take any four pencils of different sizes. Measure their lengths using a scale. Complete the table given below. (4)

Pencil No.	Length in centimetre (cm)	Length in millimetre (mm)
1.		
2.		
3.		
4.		

Q9. Look at the picture below. (4)

Figure A



Figure B



(i) What is the boy doing in figure A?

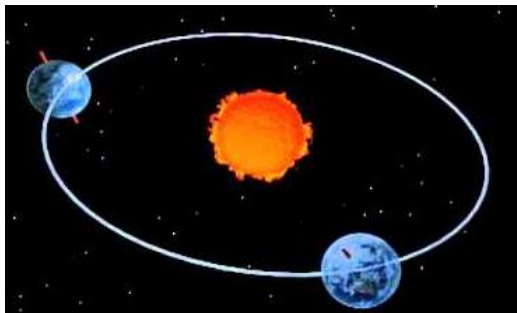
(ii) What will happen to the box?

(iii) Which term can be used to explain this- motion or migration?

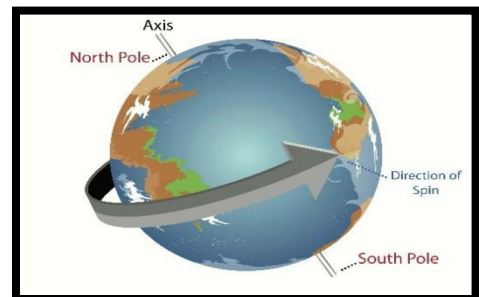
(iv) What will happen in case of figure B, if both boys are using the same strength?

Q10. We know the Earth moves around the Sun and around its axis too. Answer the questions related to it. (5)

(a)



(b)



(i) Name the two types of movement shown in figure 'a' and 'b'?

(ii) Define the two movements.

(iii) Which movement results in formation of day and night?

(iv) Which path of movement does the Earth follow - circular or irregular? Give an example of similar type of motion seen around you.

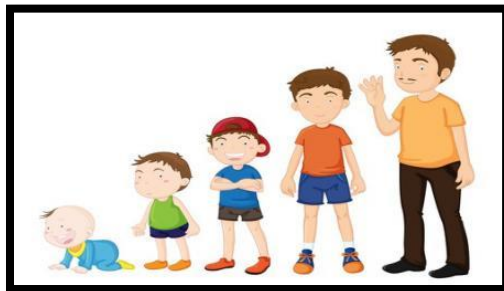
Let's Recap 2

Watch the video on the topic : Changes Around Us and answer the questions from 11 to 16.

<https://www.youtube.com/watch?v=dbD0AcAFivo&t=87s>

Q11. Give an example of a change in which a liquid change into a gas. (1)

Q12. Is the growth of a baby to an adult a slow or a fast change? Give reasons to justify. (1)



Q13. Classify the changes as man- made or natural changes. (2)

(i) Burning of a candle

(ii) Seed grows into a plant

(iii) Cutting of trees

(iv) Eruption of volcanoes

Q14. Some changes repeat after a fixed time. These are called periodic changes. Choose the examples of Periodic changes from the list below. (2)

(i) Movement of moon around the Earth.

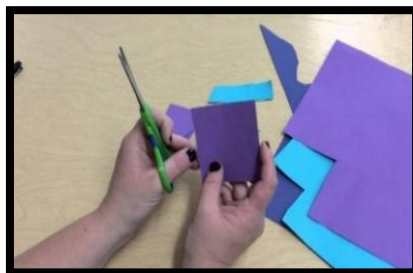
(ii) Burning of crackers.

(iii) Change of day and night.

(iv) Falling of fruit from a tree.

Q15. Himank is making some decorative items by cutting paper. (i) Is this change a man-made change or a natural one and why? (2)

(ii) Once the paper is cut, can you revert to the original size of the paper? Is it reversible or irreversible?



Q16. Dhruv got a large chocolate from his father on his birthday. He forgot to keep it in the fridge. (2)

(i) What will he observe after some time.

(ii) What will happen, if he placed it in the fridge again?

Q 17. Abhinav learnt about solubility in his science class. He tested the following items (3)
- salt, marble, lemon juice, sand, cotton, and sugar, by putting them in water and mixing it well. Place the substances in the correct columns.

Substances that dissolve completely in water	Substances that do not dissolve in water
1.	1.
2.	2.
3.	3.

Q18. A single object like plate can be made of different materials like paper, plastic, steel etc.



Write two materials each that can be used for the following objects? (4)

- a) bag
- b) toy
- c) chair
- d) bottle

Q19. Perform an activity- Take some small items of your choice and put them in small bucket with water as shown in the picture. Some of the objects will remain on the surface while some will go down to the bottom of the bucket. (4)



Based on your observation list 4 objects for each for the following –

- (i) Objects that float
- (ii) Objects that sink

Q20. If you look around, you will see different types of things. Complete the table based on the given properties. (4)

Round in shape	Edible	Hard	Shiny
1.			
2.			
3.			
4.			

Let's Recap 3

Q21. Which part of the plant is called as the 'plant's kitchen'? (1)

Q22. Which pigment is responsible for the green colour of the leaves? (1)

Q23. Plants are called producers. Give reasons. (1)

Q24. Some plants are green in colour but still eat insects. (2)

(a)

(b)

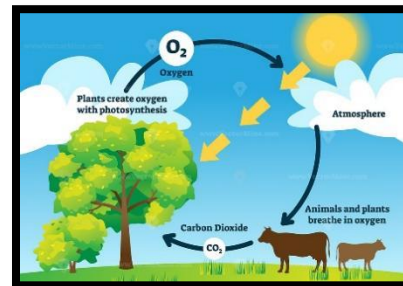


(i) Identify and name these two plants that eat insects.

(ii) What are these plants called?

Q25. Where does photosynthesis generally occur in the desert plants and why? (2)

Q26. Based on the picture clue, list the two ways in which plants are dependent on animals. (2)



Q27. Answer the following questions.

(3)



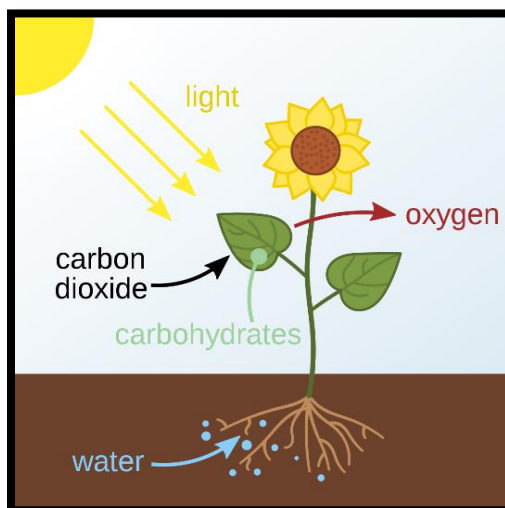
- (i) Why do plants have stomata in their leaves?
- (ii) Where are the stomata present in the aquatic (water) plants?
- (iii) Which gas enters into the leaf through the stomata?

Q28. List two important functions of the following parts of the plant. - a) Root b) Stem

(4)

Q29. Plants can prepare their own food. Look at the picture and answer the following questions.

(4)



- (i) Define the process.
- (ii) List any two raw materials required by the plant to prepare food.
- (iii) How does water and minerals reach the leaves from the soil?
- (iv) Which gas is the by-product in the process?

Q30. Watch the video link and answer the question given below.

(5)

<https://www.youtube.com/watch?v=FFloV2J-eKI>

- (i) What is a food chain?
- (ii) Complete the food chain -
Grass → →
- (iii) Why are carnivores called secondary consumers?
- (iv) What are decomposers. Give two examples.
- (v) What is the difference between food chain and food web?

Subject: Social Science

General Instructions:

- The work should be done neatly and in a systematic way.
- The given worksheets are to be done in S.ST (red) notebook.
- Mention the number of worksheet while doing the work.
- Write questions along with the answers and number them correctly.

Worksheet 3 -HISTORY

Number of Questions: 8

M.M.20

Q1. Who am I?

1. I belong to that era when writing was not invented. 1
2. I am a written document but I have been eaten away by insects. 1
3. I am a scale which helps us to understand history. 1



Q2. Define Stone Age.

1

Q3. Write the name given to pre-historic age.

1

Q4. Name two words we often use to describe our country.

1

Q5. Look at the picture given below and answer the questions that follow.

3



- (a) What does the bird stand for?
- (b) What does the lion stand for?
- (c) What is the writing on the stone called?

Q6. How did our country get its name India? 3

Q7. Locate and mark the following rivers on a physical map of India. 3

- (a) Indus
- (b) Ravi
- (c) Ganga

Q8. <https://youtu.be/WeushnbZsXI> Click on this link and explain how fire was discovered by the early man and what was its impact on his life? 5

Worksheet 3 -CIVICS

Number of Questions: 10

M.M.20

I Choose the correct option:

Q1. Dzos is a type of _____. 1

- (a) yak-cow
- (b) dog
- (c) goat
- (d) cat

Q2. Name the state located in Southwest corner of India. 1

- (a) Kashmir
- (b) Haryana
- (c) Kerala
- (d) Punjab

Q3. In what ways are Kerala and Ladakh different? 1



- (a) Geographical features
- (b) Biological features
- (c) Historical features
- (d) physiological features

- Q4. Mention any two reasons for discrimination among people? 1
- Q5. What is influenced by geography and history? 1
- Q6. Define the term 'prejudice' with an example. 1
- Q7. These are the different dance forms of India. 1





- a) Identify the dance forms.
- b) In which region did they originate?
- c) Mention the language spoken in the region to which they belong.

Q8. Write any three demerits of 'stereotype'.

3
3

Q9 Give three reasons why the government needs to make rules for everyone in the form of laws?

3

Q10 'Globalization has changed the way of living of people since independence.' With the help of your parents and the internet, note down these changes based on the following parameters:

5

- a) transportation
- b) communication,
- c) education
- d) tourism
- e) health

Worksheet 3 -GEOGRAPHY

Number of Questions: 10

M.M.20

Choose the correct option:

1. Which latitude passes through the centre of India?
a) Equator
b) Arctic Circle
c) Tropic of Capricorn
d) Tropic of Cancer
2. India is the _____ largest country in the world.
a) Fifth
b) Seventh

1
1

- c) Sixth
d) Eighth
3. Which of the following is correctly matched: 1
- a) Assam – Itanagar
b) Arunachal Pradesh – Guwahati
c) Tripura – Agartala
d) Nagaland – Shillong
4. The state in India which has a dry season for only 3 or 4 months annually is_____. 1
- a) Kerala
b) West Bengal
c) Mizoram
d) Himachal Pradesh



5. The largest tea producing state in India is_____. 1
- a) Karnataka
b) West Bengal
c) Assam
d) Kerala
6. A mountain range along the northern border of India. 1
- a) Alps
b) Himalayas
c) Andes
d) Urals
7. List any three favourable conditions that makes life possible on earth. 3
8. Differentiate between Asteroids and meteors. 3
9. On a physical map of the world, locate any three continents and three oceans of the world . 3
10. Define planets. Write one feature for any five planets. 5

प्रश्न 1 निम्नलिखित रिक्त-स्थानानि पूरयत ।

(निम्नलिखित रिक्त स्थान भरिए—)

(2)

1 आजकल संस्कृत या हिन्दी में.... स्वर ही प्रयोग में आते हैं ।

2 वर्णों के मेल से.... बनते हैं ।

3 वर्णों को अलग करने की प्रक्रिया को..... कहते हैं ।

4..... को बिना किसी की सहायता के बोला जा सकता है ।

प्रश्न 2 'व्यंजनस्य' परिभाषां लिखत ।

(2)

('व्यंजन' की परिभाषा लिखिए ।)

प्रश्न 3 संस्कृत संख्यानाम् मेलनम् कुरुत ।

(संस्कृत संख्याओं का मिलान कीजिए ।)

(4)

संस्कृत	हिन्दी
एकः	तीन
द्वौ	दो
चतुः	एक
त्रयः	चार

प्रश्न 4 संस्कृत शब्दान् अर्थैः सह मेलनम् कुरुत ।

(4)

(संस्कृत शब्दों का अर्थों के साथ मिलान कीजिए ।)

संस्कृत	हिन्दी
त्वम्	तुम सब
युवाम्	हम सब
यूयम्	तुम
वयम्	तुम दोनों

प्रश्न 5 अध्यापिका शब्दस्य पर्यायवाची शब्दं लिखत ।

(1)

(अध्यापिका शब्द का पर्यायवाची शब्द लिखिए ।)

प्रश्न 6 संस्कृत (स्त्रीलिंग)शब्दैः सह अर्थान् मेलनम् कुरुत ।

(3)

(संस्कृत (स्त्रीलिंग) शब्दों के साथ अर्थ का मिलान कीजिए ।)

हिन्दी	संस्कृत
वह	ताः
वे सब	ते
वे दो	सा

प्रश्न 7 निज परिवारस्य चत्वारः सदस्यानाम् नामानि उचितं वर्ण—विच्छेदं कुरुत ।
(अपने परिवार के चार सदस्यों के नामों का उचित वर्ण—विच्छेद कीजिए ।) (4)

प्रश्न 8 'कुक्कुटस्य' हिन्दी नाम किम् भवति?
('कुक्कुट' का हिन्दी नाम क्या होता है?) (1)

प्रश्न 9 'छात्रः' पदस्य समानार्थी पदं लिखत ।
('छात्र' शब्द का समानार्थी शब्द लिखिए ।) (1)

प्रश्न 10 निम्न पदेषु स्त्रीलिङ्ग शब्दान् चित्वा लिखत ।
(निम्न शब्दों में से स्त्रीलिङ्ग शब्द चुनकर लिखिए ।) (3)
नरः, महिला, पुस्तकम्, कक्षा, मयूरः, कन्या

शोध एवं परियोजना कार्य

1 पाँच पुल्लिङ्ग, पाँच स्त्रीलिङ्ग और पाँच नपुंसकलिङ्ग वस्तुओं का चित्र बनाकर एक सुंदर—सा कोलाज बनाइए ।

Subject: Computer Science

Lesson 1- Flash and its elements

1. Fill in the blanks: -

$\frac{1}{2} * 6 = 3$

- a) A _____ is a self-contained object within flash animation which can be used multiple times.
- b) _____ use flash to create navigation bars, animated logo and interactive websites.
- c) Using the _____ tool, we can draw freeform lines and shapes.
- d) The _____ tool fills enclosed areas with colour.
- e) The _____ corner radius of a rectangle, the more rounded the corners.
- f) By using the _____ mode of the eraser tool, we can erase the required fill areas or stroke segments simply by clicking on them.

2. Correct the following sentence.

$1 * 3 = 3$

- a) By default, we will be using Paint Behind option of the brush tool.
- b) We cannot change the size of the font while using text tool.
- c) To open a new project in the flash, select File -> Open.

3. Identify and explain the use of the following tools of flash:

$2 * 3 = 6$



4. Answer the following questions: -

$2 * 2 = 4$

- a) Write the use of tracking and character position attribute of the text tool.
- b) What do you mean by scaling objects? Write the steps to scale an object.

5. Explain the following flash components.

$1 * 4 = 4$

- i) Stage
- ii) Playhead
- iii) Library
- iv) Scene