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

Subject: English

I. Read the following passage carefully:

Communication

Many animals are able to communicate with each other very well, but none of them can talk as we do. That is, no animals use words, birds cry out and make sounds that other birds understand. Smells, movements, and sounds are used for communication by animals, through which they express joy, anger or fear.

Human speech is a very complicated process, which no animal can perform. One reason is that in a very special way we use a whole series of organs to produce the sounds we want to make when we utter words. The way our vocal cords are made to vibrate, the way the throat, mouth and nasal cavities are adjusted, the way the lips, teeth, lower jaw, tongue, and palate are moved-just to make vowel and consonant sounds, is something animals cannot do.

They cannot produce a whole series of words to make a sentence. And there is another, a perhaps more important reason why animals cannot talk. Words are only labels for objects, actions, feelings expressions and ideas. For example, the word 'bird' is a label for a living, flying object. Other words describe its colour, shape, flying and singing. Still, other words would be used to emphasize what the speaker thinks or feels about the bird or its actions.

For human beings, therefore, the use of words means the uše of labels or symbols and then organising them in a certain way to communicate something. This requires a degree of intelligence and logical thinking that no animals have. So, the animals cannot talk the way people do.

On the basis of your reading of the passage, answer the questions given below   **(1x4=4)**

Q1 How do birds communicate?

Q2 Why human speech is considered a complicated process?

Q3 What is required while using words for communication?

Q4 Why the animals cannot talk like humans?

Q5 Find a word from the passage that means the same as the following   **(½ x2=1)**

    i)   Tangled

    ii)   Highlight

II Read the sentences given below and choose the correct option to fill in the blanks **(1x5=5)**

Q6 Burj Khalifa is the world's _____ artificial structure which is 829.8 metre in height. **(1)**

      a. tall

      b. taller

      c. most tallest

      d. tallest

Q7 Soham has a flute. _____ likes to play _____. **(1)**

      a. He/it

      b. He/ that

      c. They/it

      d. We/it

Q8 The soldiers fought for our nation _____. **(1)**

      a. cleverly

      b. bravely

      c. easily

      d. eagerly

Q9 She _____in Russia for five years before she went out to Thailand. **(1)**

      a. will live

      b. lived

      c. live

      d. had lived

III Convert the following sentence into passive voice

10. We have launched a massive tribal welfare program. **(1)**

      a. A massive tribal welfare program is launched by us.

      b. A massive tribal welfare program has been launched by us.

      c. We has launched a massive tribal welfare program.

      d. We have launched a massive tribal welfare program.

Answer the following questions.

Q11. What did Samson boast about in the book 'Black Beauty'? (1)

Q12. How was Perythala's mate trapped in the cage? (2)

Q13. Why did the Oysters thank the Carpenter? (2)

Q14. According to the Hebrew Genesis story, what did God do on the seventh day? (2)

Q15. Why didn't Coolclear run away when he saw Perythala? Why had Perythala been

      waiting for Coolclear? (3)

Subject-Hindi

निम्नलिखित प्रश्नों के उत्तर सही विकल्प चुनकर दीजिए–   (1×5=5)

प्रश्न 1 'रमेश' शब्द का सही सन्धि विच्छेद क्या होगा ?

    1 रम + ईश

    2 रमा + ईश

    3 रमे + ईश

    4 रमा + इश

प्रश्न 2 'नाकों चने चबवाना' इस मुहावरे के लिए उचित अर्थ बताइए।

    1 बहुत रूलाना

    2 बहुत खिलाना

    3 बहुत परेशान करना

    4 बहुत हँसाना

प्रश्न 3 कमरे में 67 बोरियाँ है यहाँ '67' के लिए उचित हिन्दी संख्या चुनिए —

    1 सत्तावन

    2 सढ़सठ

    3 सड़सट

    4 सड़सठ

प्रश्न 4 गाँवों में कौन से गीत गाए जाते हैं ?

    1 फिल्मी गीत

    2 लोकगीत

    3 कविताएँ

    4 शास्त्रीय गीत

प्रश्न 5 गाँधी जी ने गोखले के किस कपड़े पर इस्त्री की थी ?

    1 कुर्ता

    2 धोती

    3 दुपट्टा

    4 पगड़ी

प्रश्न 6 निम्नलिखित शब्दों में से मूल शब्द और उपसर्ग –प्रत्यय अलग कीजिए—   (1×2=2)

    1 सम्मान   2 ज्ञानी

प्रश्न 7 निम्नलिखित वाक्यों में से उद्देश्य को रेखांकित कीजिए तथा विधेय पर घेरा लगाइए–

                                                                                                    (½×4=2)

    1 हमारे हिन्दी के अध्यापक बीमार हो गए हैं।

    2 श्याम खाना खाता है।

प्रश्न 8 निम्नलिखित संख्याओं को शब्दों में लिखिए— (1/2×4=2)

     55   77   88   94

प्रश्न 9 निम्नलिखित वाक्यों में क्रिया-विशेषण शब्द छाँटकर उनके भेद लिखिए— (1/2×4=2)

   1   पानी तेजी से बरस रहा था।

   2   अपना कार्य शीघ्रता से पूरा करो।

प्रश्न 10 छात्रों के घमंड को तोड़ने के लिए गाँधी जी ने उन्हें क्या काम सौंपा ? वे इस कार्य के द्वारा क्या शिक्षा देना चाहते थे ? (1×3=3)

प्रश्न 11 लोकगीतों की क्या विशेषताएँ होती हैं ? पाठ के आधार पर स्पष्ट कीजिए। (1×3=3)

प्रश्न 12 राम ने अंगद को लंका क्यों भेजा ? (1×2=2)

प्रश्न 13 परीक्षा में अनुत्तीर्ण रहने वाले मित्र को सांत्वना देते हुए पत्र लिखिए। (1×3=3)

प्रश्न 14 'अपना मोबाइल बेचने के लिए' एक विज्ञापन तैयार कीजिए— (1×3=3)

प्रश्न 15 'क्रिसमस कार्यक्रम देखकर आते हुए' दो मित्रों के बीच हुए संवाद को 70 से 80 शब्दों में लिखिए।

(1×3=3)

Subject:Sanskrit

निम्नलिखित प्रश्नों के उत्तर सही विकल्प चुनकर दीजिएः (**1×5 = 5**)

प्रश्न 1 'आवाम्' शब्द का क्या अर्थ है?

   1   हम दोनों।

   2   तुम दोनों।

   3   वे दोनों।

   4   ये दोनों ।

प्रश्न 2 'सः पठति' वाक्य का बहुवचन रूप क्या होगा?

   1   सा पठति।

   2   ते पठतः।

   3   ते पठन्ति।

   4   तौ पठतः।

प्रश्न 3 ' अधः' अव्यय का सही अर्थ क्या है?

1   आधा

2   ऊपर

3   नीचे

4   आज

प्रश्न 4   वसन्त ऋतु कब आती है?

1   श्रावण – भाद्रपक्ष मास में

2   आश्विन – कार्तिक मास में

3   चैत्र – वैशाख मास में

4   आषाढ़ – श्रावण मास में

प्रश्न 5   'क्षेत्रम्' शब्द का क्या अर्थ है?

1   मैदान

2   गाँव

3   खेत

4   बगीचा

प्रश्न 6   परस्पर मिलान कीजिए।   (½×4 = 2)

1 त्वं पुस्तकम्   कूजसि।

2 यूयम् ईश्वरं   गच्छथः।

3 युवां विद्यालयं   पठसि।

4 त्वं मधुरं   भजथ।

प्रश्न 7   निम्नलिखित शब्दों के अर्थ लिखिए।   (½×4 = 2)

कीडकः   पाचकौ   मृगाः   महिले

प्रश्न 8   उचित अव्यय शब्द से रिक्त स्थान भरिष।   (½×4 = 2)

| तूष्णीम् , अधः , अतः , शनैः –शनैः |

1   वृक्षस्य .... पथिकः अस्ति।

2   अद्य वर्षा भवति .... विद्यालयः न गमिष्यामि।

3   कच्छपः .... चलति।

4   कक्षायाम् छात्राः .... तिष्ठन्ति।

प्रश्न 9 संस्कृत में संख्या पद लिखते हुए रिक्त स्थान भरिष।   (½×4 = 2)

1 तत्र .... (21) जनाः सन्ति।

2 वृक्षे .... (23) खगाः सन्ति।

3 उद्याने ....(25) महिलाः वार्तालापं कुर्वन्ति।

4 एतानि ....(30) पुस्तकानि सन्ति।

5

प्रश्न 10 निम्नलिखित वाक्यों में रेखांकित शब्दों से प्रश्न-निर्माण कीजिए— (½×4 = 2)

(1) **बालकौ** खेलतः।

(2) **लता** लिखति।

(3) **खगाः** उत्पतन्ति।

(4) राधा **सायं** भ्रमणाय गच्छन्ति।

प्रश्न 11 घड़ी बनाकर दिए गए समय को संस्कृत में लिखिए। (½×6 = 3)

5:30   2:30   12:30

प्रश्न 12 निम्नलिखित नाम संस्कृत में लिखिए। (½×6 = 3)

1 महीनों के नाम .... । (किन्ही दो)

2 ऋतुओं के नाम .... । (किन्ही दो)

3 शरीर के अंगों के नाम .... । (किन्ही दो)

प्रश्न 13 नीचे दिए गए रिक्त स्थानों को उचित शब्दरूप से भरिए — (½×6 = 3)

विभक्तिः	एकवचनम्	द्विवचनम्	बहुवचनम्
प्रथमा	रामः	———	रामाः
द्वितीया	———	लते	लताः
तृतीया	फलेन	फलाभ्याम्	———
चतुर्थी	———	रामाभ्याम्	रामेभ्यः
पंचमी	लतायाः	———	लताभ्यः
षष्ठी	फलस्य	फलयोः	———

प्रश्न 14 नीचे दिए गए रिक्त स्थानों को उचित धातुरूप से भरिए — (½×6 = 3)

लट्लकार (वर्तमान काल)

पुरूषः	एकवचनम्	द्विवचनम्	बहुवचनम्
प्रथम	———	गच्छतः	गच्छन्ति
मध्यम	असि	———	स्थ
उत्तम	पठामि	पठावः	———

लृट्लकार (भविष्यत् काल)

प्रथम	गमिष्यति	———	गमिष्यन्ति
मध्यम	———	भविष्यथः	भविष्यथ
उत्तम	पठिष्यामि	पठिष्यावः	———

प्रश्न 15 चित्र को देखकर दिष्ट गए शब्दों की सहायता से रिक्त स्थानों को पूरा कीजिए–

(½×**6 = 3**)

मञ्जूषा— क्रीडन्ति , बालाः , शिशिरः , हिमपुरूषम् , वस्त्राणि , वृक्षाः।

1 अस्मिन् चित्रे .... ऋतुः अस्ति।

2 बालाः हिमखण्डैः .... ।

3 सर्वे उष्णानि .... धारयन्ति।

4 एका बालिका .... रचयति।

5 अत्र हरिताः .... सन्ति।

6 चत्वारः .... सन्ति।

Subject – Mathematics

Instructions:

1.) Q. No 1-4 are multiple choice questions carrying 1 mark each.

2.) Q. No 5 and 6 are case study-based questions, each carrying 4 marks each.

3.) Q. No 7-10 are of 2 marks each.

4.) Q. No 11-13 are of 3 marks each.

5.) Q. No 14 and 15 are of 4 marks each.

Q 1.) When the difference of 3 tenths and 7 tenths is added to their sum, the result is :   (1)

(a) 2.4   (b) 1.41   (c) 1.4   (d) 1.04

Q 2.) The cost of fencing a rectangular field 34m long and 18m wide at Rs 2.25 per meter is :   (1)

(a) Rs 243   (b) Rs 234   (c) Rs 240   (d) Rs 334

Q 3.) How many diagonals are there in a pentagon?   (1)

(a) 2   (b) 3   (c) 4   (d) 5

Q 4.) If side of a square is doubled, then the new perimeter is ___ times the original perimeter (1)

(a) 2 (b) 1/4 (c) 9 (d) 4

Q 5.) On the occasion of Republic Day, a school organized a poster making competition for the students of Class VI. The topic was "National Integration". Each child was given a square sheet of side 60 cm. They had to make a border of width 2 cm using the coloured tape and the remaining portion had to be divided into four equal portions to show main teachings of different religions. (4)

(a) Find the length of the coloured tape needed for the border.
(b) What will be the side of the square into which the sheet has been divided?
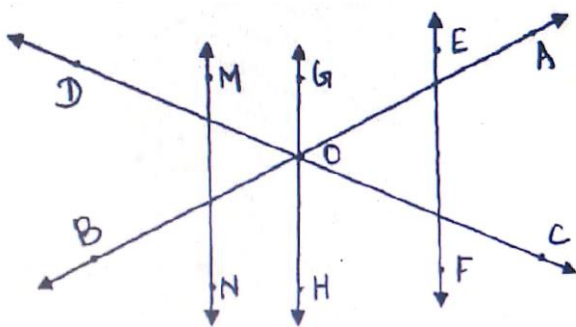(c) What is the area of the square sheet?

Q 6.) Make 2 concentric circles of radius 4cm and 6cm. Also mark the following points for the smaller circle – chord, segment, centre, radius, diameter, sector, 2 exterior and 2 interior points. (4)

Q 7.) Find the breadth of a rectangle of area 9. 6sq.m and length 4m. (2)

Q 8.) Write the following decimal numbers as fractions in their lowest terms: (2)

(a) 24.075 (b) 13.125

Q 9.) When 1.2, 2.34 and 3.456 are added and the sum is rounded to the nearest tenths, what is the result? (2)

Q 10.) In the given figure, name the following (2)

(a) Any two pairs of intersecting lines
(b) Any 4-line segments
(c) Line on which D lies
(d) Two non-intersecting line segments

Q 11.) The length and breadth of a playground are 65m 20cm and 34m 80cm respectively. Find the cost of fencing it at ₹ 1.50 per metre. (3)
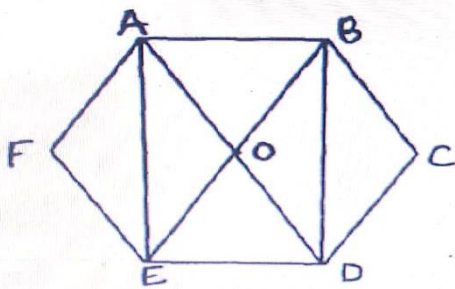
Q 12.) Rakesh purchased a box of 16 Kg of apples. If 1 Kg 789 g of apples were found spoilt and 10 Kg 56g were consumed, how many apples (in Kg) were left? (3)

Q13.) Anil runs around a square field of side 60m four times. What distance does he cover? Rajesh runs twice a rectangular field with length 180m and breadth 110m. What distance does he cover? Who covers more distance and by how much? (3)

Q14.) In the given figure, name the following (4)

    (a) 4-line segments

    (b) 4 vertices

    (c) All the diagonals

    (d) 4 pair of adjacent sides

    (e) 4 pair of adjacent angles

Q 15.) Compare the following decimal numbers : (4)

    (a) 0.1007 ____ 0.0710   (b) 11.10 _____ 11.001

    (c) 19.705 ____ 19.750   (d) 2.938 _____ 2.9387

Subject: Science

Objectives: **Revision of the concepts.**
*Attempt the questions keeping in mind the weightage of each question.
- Answer 2-mark question in 10-30 words.
- Answer 3-mark question in 30-50 words.

*Attempt the worksheet in the Science notebook. Scan the work and mail the pdf.

Q1. Which one of the following is an example of an irreversible change? (1)

i) Opening of a door

ii) Melting of chocolate

iii) Folding of a bedsheet

iv) Blooming of flowers

Q2. While playing football, Kartik got hurt in his leg. He was immediately taken to the doctor. Which of the following image would show the fracture in his leg bone clearly? (1)

i) ECG scan

ii) X- ray image

iii) Ultra sound image

iv) CT scan image

Q3. Myra went for a morning walk in her garden. She was observing things around her and made a list of biotic components around her. Which set represents the correct examples. (1)

i) birds, butterflies, grass, flowers

ii) rocks, soil, water, sunlight

iii) sand, turtle, crab, rocks

iv) Aquatic plant, fish, frog, water

Q4. Anya moves on a straight road from point A to point C. She takes 5 min to cover distance AB and 10 min to cover the rest of the distance BC. She then, turns back and takes 10 min to cover the distance CB and 5 min to cover the rest of the distance to her starting point. She makes 10 such rounds on this same track. What type of motion does she exhibit? (1)

i) rectilinear motion.

ii) periodic motion.

iii) rectilinear and periodic both.

iv) neither rectilinear nor periodic.

Q5. During an Art class, the students of class VI were divided into group of four students each and instructed by their teacher to make different Christmas decorations. Group A made a beautiful Christmas tree on a chart paper by painting it, Group B made some stars using origami (paper folding only), Group C made snowflakes by paper folding and cutting, Group D made cards by sketching with poster colours while Group E made snowman using clay. The teacher was very impressed by their effort and applauded them. (1x4=4)

a) Which of the following student activity is an example of a reversible change?

    i) Cutting paper to make snowflakes.

    ii) Making stars using origami or paper folding.

    iii) Making card with poster colours.

    iv) Painting the Christmas tree on the chart.

b) What is the best option by which group B students can get back the original material?

    i) By unfolding the paper

    ii) By tearing the paper

iii) By colouring the paper

iv) By cutting the paper

c) Based on the activity performed by Group C and E, what can you conclude?

i) Both the activities are example of reversible changes.

ii) Both the activities are example of irreversible changes.

iii) Activity C is reversible and activity E is irreversible.

iv) Activity E is reversible and activity C is irreversible.

d) If Group D students make a mistake while drawing, which of the following suitable choice will you suggest them to make to undo the change easily?

i) Use poster colours to draw.

ii) Erasing the sketches drawn on the card.

iii) Use light pencil to draw pictures.

iv) Repaint the paper with white colour

Q6. Earthworms are known as "the friends of the farmers". Justify the statement. (2)

Q7. Which process can be used to fix a metal rim that smaller in size to a wooden cart wheel? Explain the process. (2)

Q8. What is a cartilage and where is it commonly found in the human body? (2)

Q9. Jia measured her study table using angul (finger) as a standard unit of measurement. Do you think it is a suitable unit of measurement and why? (2)

Q10. Aryan was observing the moving hands of the clock and motion of a pendulum. He noticed some similarity and dissimilarity in the two types of motion. Enlist them. (2)

Q11. A science teacher asked students to identify the poles of the magnet, using some paper clips made of magnetic material and a magnet. How would the students able to identify them? (2)

Q12. Differentiate between habitat and adaptation. (2)

Q13. What precautions should be taken so that magnets don't lose their magnetic properties? (3)

Q14. Write short note on Human skeleton with its functions. (3)

Q15. Enlist the adaptations that help camels to survive well in the desert habitat. (3)

Subject: Social Science

General Instructions:
- The work should be done neatly and in a systematic way.
- The given assignment is to be done in S.sc notebook.
- Write all the questions along with the answers.
- Questions 1-5 are MCQ
- Questions 6- 10 are to be answered in 60 to 80 words.
- Question 11-15 are to be answered in 80-100 words

Choose the correct option-

Q 1. Which was the first place where Buddha taught his message? (1)

  a) Bodh Gaya   b) Sarnath   c) Kaushambi   d) Rajgriha

Q 2. The Constitution (seventy-third Amendment) Act lays down a _____ system of panchayats. (1)

  a) One-tier   b) two-tier   c) three-tier   d) four-tier

Q 3. Who is the head of Municipal Corporation? (1)

  a) Councillor   b) Municipal Commissioner   c) Mayor   d) Deputy Mayor

Q 4. Which of the following countries is Not a part of the Indian subcontinent? (1)

  a) Bangladesh   b) Pakistan   c) Nepal   d) China

Q 5. Cotopaxi is an example of a _____ mountain. (1)

  a) fold   b) block   c) volcanic   d) residual

Q 6. Discuss the important teachings of Jainism. (2)

Q 7. What are our main sources of information about the Mauryas? (2)

Q 8. Explain the functions of the Zila Parishad. (2)

Q 9. What are the sources of income for the Municipal Corporations? (2)

Q 10. Write the difference between Tectonic or internal force and Gradational force. (2)

Q 11. State three causes for the rise of new religious sects in the sixth century BCE. (3)

Q 12. Discuss briefly the Mauryan administration? (3)

Q 13. List the benefits of the waste treatment process. (3)

Q 14. How are volcanic and block mountains formed? Give examples of each. (3)

Q 15. Explain the location of mainland in India in detail. (3)

Subject: Computer Science

Tick the correct answer:

Q1 What is the file extension of Photoshop? (1)

  i. bmp

  ii. tiff

  iii. psd

  iv. txt

Q2 To get Auto contrast option in Photoshop, select (1)

  i. Filter Menu

  ii. Image>Adjustment

  iii. File Menu

  iv. None of the above

Q3 The full form of GIF is   (1)

    i. Graphical Internet File

    ii. Graphic Included Format

    iii. Graphics Interchange Format

    iv. None of the above

Q4 Blurs edges by building a transition boundary between the selection and its surrounding pixels is

known as   (1)
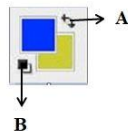
    i. Anti-aliasing

    ii. Feathering

    iii. Healing

    iv. Fastening

Q5 A single dot on a displayed bitmapped image is   (1)

    i. resolution

    ii. pixel

    iii. pivot

    iv. digit

Q6. What are lasso tools? Name the various types of lasso tools.   (2)

Q7. Write about 'Save For Web' option in Photoshop.   (2)

Q8. What is the use of History Palette? Explain.   (2)

Q9. Look at the figure given below and explain the use of A and B option.   (2)

Q10. What is the use of As a Copy option in Photoshop?   (2)

Q11. How to measure the resolution of an image on screen? Give an example.   (2)

Q12.a) Mehak created a new file, which she would like to print later on. What is the resolution should she set for

it?   (1x2=2)

   b) With the help of cut/copy and paste operations Lata has created an object from many files, and then work

on those areas. Which is the secure way to do it?

Q13. Identify, name and write the use of the following tools in Photoshop.   (3)

a)

b)

c)

Q14. Write about different forms of selection in Photoshop. (3)

Q15. Explain the concept of layers. How to create new layers from selection? (3)