



# DELHI PUBLIC SCHOOL

SAIL Township, Ranchi

SECOND SEMESTER ( SESSION-2017-18)

CLASS: – V  
SUBJECT:- Sanskrit

DATE :-23.02.2018  
M.M. :- 40

1. हिन्दी भाषा में अनुवाद करें – [ 2 x 4 = 8 ]  
क) एतौ बालकौ  
बालकौ नमतः  
किम् बालकौ गायतः ?  
नहि, बालकौ न गायतः, तौ नमतः  
ख) एते के ?  
एते शुकाः। शुकाः वदन्ति।  
के वदन्ति? शुकाः वदन्ति।  
ग) एतानि फलानि।  
एतत् नारङ्गम्।  
एतत् सेवम्।  
एतत् नारिकेलम्  
घ) एषा पाकशाला। अधुना  
अम्बा पचति।  
सा अधुना सूपम् ओदनं  
च पचति।
2. उदाहरण के अनुसार वचन परिवर्तन कीजिए – [ 1 x 4 = 4 ]  
एकवचनम्                      द्विवचनम्                      बहुवचनम्  
उदाहरण—छात्रः पठति।              छात्रौ पठतः।              छात्राः पठन्ति।  
क) अश्वः धावति।                      .....  
ख) शुकः वदति।                      .....
3. कोष्ठक में दिए गए निर्देशानुसार वचन बदलिए – [ 1 x 4 = 4 ]  
क) एतानि चक्राणि ( एकवचने ) – .....  
ग) एतत् पुस्तकम् ( द्विवचने ) – .....  
ख) एतत् कमलम् ( बहुवचने ) – .....  
घ) एषः वृक्षः ( बहुवचने ) – .....
4. प्रश्न निर्माण कीजिए – [ 1 x 2 = 2 ]  
क) सः पत्रवाहकम् पश्यति। ..... ( किम्, कम् )  
ख) त्वम् गृहम् पश्यसि। ..... ( किम्, कम् )
5. कोष्ठक में दिए गए उचित क्रियापद चुनकर वाक्य की पूर्ति कीजिए – [ 0.5 x 4 = 2 ]  
क) भ्रमराः .....। ( भ्रमन्ति, गुञ्जन्ति, नन्दन्ति )      ख) पवनः .....। ( पतति, गच्छति, वहति )  
ग) जनाः .....। ( क्रीडन्ति, कूजन्ति, भ्रमन्ति )      घ) पुष्पम् .....। ( विकसन्ति, विकसति, विकसतः )
6. निम्नलिखित शब्दों के नाम संस्कृत में लिखें – [ 0.5 x 6 = 3 ]  
क) अंगूर – .....      ख) अमरूद – .....      ग) गुलाब – .....  
घ) हारसिंगार – .....      ङ) हाथी – .....      च) घोड़ा – .....
7. निम्नलिखित रिक्त स्थानों की पूर्ति कोष्ठक में दिए गए अंकों के संस्कृत शब्द से कीजिए – [ 1 x 4 = 4 ]  
क) ..... माला पतति। ( 1 )              ख) तत्र ..... साधवः सन्ति। ( 7 )  
ग) ..... पत्राणि पतन्ति। ( 9 )              घ) ..... महिलाः आगच्छन्ति। ( 3 )
8. निम्नलिखित रिक्त स्थानों की पूर्ति कोष्ठक में दिए गए अंकों के संस्कृत शब्द से कीजिए – [ 1 x 2 = 2 ]  
क) ..... (18) सूर्याः              ख) ..... (4) महिलाः
9. शब्दरूप लिखत – [ 1 x 5 = 5 ]  
लता – चतुर्थी से सम्बोधन विभक्ति तक।
10. धातु रूप लिखत – [ 3 x 2 = 6 ]  
क) नम् – लट् लकार                      ख) पा – लृट् लकार



# DELHI PUBLIC SCHOOL

SAIL Township, Ranchi

SECOND SEMESTER ( SESSION-2017-18)

CLASS: – V

SUBJECT:- Social Science

DATE :-26.02.2018

M.M. :- 80

**1. Define the following:**

[1 x 8 = 8 ]

- a) urbanization      b) relief comp      c) drip irrigation      d) heritage trains  
e) metro              f) destitute              g) racist policy              h) decibels

**2. Answer the following questions in detail:**

[ 3 x 7 = 21]

- a) How were Moderates different from Extremists?  
b) What were the results of Sepoy Mutiny?  
c) What is transportation? 'India uses the water ways to Export and Import?' Explain.  
d) What is a cyclone? What precautions should we take for it?  
e) What is soil pollution? How can this be prevented?  
f) What is Quit India movement and what was the outcome of this movement ?  
g) Why were farmers and weavers unhappy with the British?

**3. Answer the following in short:**

[1.5 x 6 = 9]

- a) Why did people consider M.S. Subbulakshmi as the Queen of Carnatic Music?  
b) When was Rowlatt Act passed by the British and what was it?  
c) List the human activities that contribute to water pollution.  
d) List three factors that cause air pollution.  
e) What was Swadeshi Movement?  
f) Who built the oldest Grand Trunk Road and Which places are connected by this road?

**4. Answer the following questions:**

[ 1 x 12 = 12 ]

- a) Who designed the first steam engine and whose engine became popular?  
b) Who was Subramanya Bharati and how did he die?  
c) Who honoured C.V. Raman with the title 'Sir' which institute was founded by him?  
d) What is Tsunami?  
e) Who is known as the Grand Old Man of India?  
f) Why was the Simon Commission set up?  
g) Name the last two European Nations which came to India for trade.  
h) Between whom was the Battle of Plassey fought?  
i) Who were revolutionaries?  
j) What was the immediate cause for the Revolt of 1857 ?  
k) Name the two rivers that are used as Internal water ways in India.  
l) What is Golden Quadrilateral?

**5. Fill in the blanks:**

[0.5 x 10 = 5]

- a) The collection of songs by Rabindranath Tagore is known as \_\_\_\_\_.  
b) Gandhiji started the Civil Disobedience movement in \_\_\_\_\_.  
c) \_\_\_\_\_ asked the Indians to come together and stand as one nation.  
d) \_\_\_\_\_ won the elections in 1935.  
e) India has the largest railway network in \_\_\_\_\_.

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- f) The worst affected people during a drought are the \_\_\_\_\_.
- g) The place where the earth quake originates is called \_\_\_\_\_.
- h) Rapid growth of industries is known as \_\_\_\_\_.
- i) Farmers should avoid using of \_\_\_\_\_.
- j) The 1<sup>st</sup> president of INC was \_\_\_\_\_.

**6. Name the following:**

[1 x 10 = 10]

- a) The instrument that records tremor.
- b) Sudden great misfortune.
- c) An important sea port in Andhra Pradesh .
- d) She led the Revolt of 1857 from Lucknow.
- e) He abolished Sati Pratha from the society.
- f) The industry that was affected because of the British economic policies.
- g) The Roman God of Fire.
- h) The pollution that results in stress and irritation.
- i) He led the famous Vedaranyam Salt Satyagraha.
- j) He formed Indian National Army.

**7. Write 'True' or 'False':**

[0.5 x 10 = 5 ]

- a) The fastest and the most expensive means of transport is Airways.
- b) The potter's wheel was first discovered by Americans.
- c) Gitanjali was published in 1910.
- d) Dr. Muthulakshmi Reddy started the cancer institute in Adyar.
- e) The last Mughal Emperor was Akbar.
- f) The intensity of an earthquake is measured in Ritcher scale.
- g) Air pollution is caused by both nature and human activities.
- h) Volcano is an opening on the crust of earth.
- i) Water pollution affects marine life.
- j) Baba Amte was born in 1914.

**8. Match the following events with their years:**

[0.5 x 10 = 5 ]

- |   |      |
|---|------|
| a) Gujarat earthquake                                     | 1853 |
| b) Quit India Movement                                    | 2001 |
| c) British introduced the railways in                     | 1942 |
| d) Wright brothers invented and built the first aeroplane | 1757 |
| e) East India Company                                     | 1903 |
| f) Battle of Plassey                                      | 1600 |
| g) Simon Commission came to India                         | 1919 |
| h) Cabinet mission was sent to India in                   | 1929 |
| i) Jalianwala Bagh Massacre                               | 1861 |
| j) Rabindranath Tagore was born in                        | 1946 |

**9. Complete the following table :**

[0.5 x 10 = 5 ]

Name	Any one Award	In which field
1. Bhimsen Joshi		
2. Baba Amte		
3. M.S. Subbulakshmi		
4. Sir C.V. Raman		
5. Rabindranath Tagore		



# DELHI PUBLIC SCHOOL

SAIL Township, Ranchi

SECOND SEMESTER ( SESSION-2017-18)

CLASS: – V  
SUBJECT:- Hindi

DATE :-28.02.2018  
M.M. :- 80

## खण्ड –क

### 1. अपठित गद्यांश

चलना मनुष्य का स्वभाव है। पानी भी चलता है, हवा भी चलती है, समय भी चलता है और मनुष्य भी चलता है। प्राचीन समय में एक स्थान से दूसरे स्थान पर पहुँचने के लिए मनुष्य मीलों पैदल यात्रा करता था। कई बार यात्रा इतनी लंबी हो जाती थी कि वर्षों लग जाते थे। एक स्थान से दूसरे स्थान में जाते समय यात्री दूरी के कारण बीमार होकर मर भी जाते थे। फिर पालकियों का प्रयोग किया जाने लगा। इन्हें चार लोग उठाते थे। पालकियों का प्रयोग स्त्रियों के लिए किया जाता था, परन्तु पहिए के आविष्कार ने मनुष्य का जीवन ही बदल दिया। इसके आविष्कार से सर्वप्रथम बैलगाड़ी द्वारा यात्रा सरल और सस्ती होने लगी। धीरे-धीरे इसी पहिए से साइकिल और बाद में मशीन से चलने वाली गाड़ियाँ सड़कों पर दौड़ने लगी।

### उपर्युक्त गद्यांश को पढ़कर दिए गए प्रश्नों के उत्तर लिखें –

[ 1 x 5 = 5 ]

- क) प्राचीन समय में मनुष्य कैसे यात्रा करता था ?  
ख) पालकियों का प्रयोग किनके लिए किया जाता था ?  
ग) पालकी कितने लोग उठाते थे ?  
घ) पहिए के आविष्कार के बाद सर्वप्रथम यात्रा करने के लिए किस साधन का निर्माण हुआ ?  
ङ) गद्यांश के लिए उचित शीर्षक छाँटिए –

- i) लंबी यात्रा                      ii) पहिए का आविष्कार                      iii) पैदल                      iv) घोड़ा गाड़ी

## खण्ड-ख

### 2. क्रिया की परिभाषा लिखकर उसके भेदों का अन्तर उदाहरण के साथ लिखें ।

[ 1 x 4 = 4 ]

### 3. निर्देशानुसार प्रश्नों के उत्तर दें –

[ 3 x 5 = 15 ]

- क) संख्यावाचक विशेषण तथा परिमाणवाचक विशेषण में क्या अन्तर है ? उदाहरण सहित लिखें।  
ख) उद्देश्य और विधेय किसे कहते हैं? उदाहरण सहित लिखें।  
ग) दिए गए प्रत्येक शब्दों के दो-दो पर्यायवाची शब्द लिखिए –  
i) कमल                      ii) किरण                      iii) अनुपम  
घ) नीचे लिखे शब्दों के अनेकार्थक शब्द लिखिए –  
i) फल                      ii) साल                      iii) तीर  
ङ) दिए गए मुहावरों के अर्थ लिखिए –  
i) अपने पैरों पर खड़ा होना –  
ii) आँखे बिछाना  
iii) अक्ल का दुश्मन

### 4. काल के भेदों के सही नाम लिखकर वाक्यों को पूरा करें –

[ 1 x 2 = 2 ]

- क) जब क्रिया हो चुकी हो तो ..... काल कहलाता है।  
ख) जब क्रिया हो रही हो तो ..... काल कहलाता है।

### 5. दिए गए विराम चिह्नों के नाम के आगे उचित चिह्नों को लगाएँ –

[0.5 x 4 = 2]

(उत्तर पुस्तिका में नाम तथा उनके चिह्न दोनों को अवश्य लिखें )

- क) लाघव चिह्न – .....                      ख) अर्द्धविराम – .....  
ग) उद्धरण चिह्न – .....                      घ) त्रुटि चिह्न – .....

### 6. दिए गए शब्दों के विलोम शब्द लिखें –

[ 1 x 2 = 2 ]

- क) जड़ – .....                      ख) अवनति – .....

P.T.O.





# DELHI PUBLIC SCHOOL

SAIL Township, Ranchi

SECOND SEMESTER (SESSION-2017-18)

CLASS: – V  
SUBJECT:- English

DATE :-06.03.2018  
M.M. :- 80

## Section – A ( Reading – 10 marks)

### 1. Read the given passage carefully and answer the questions that follow:

Platinum is a rare but amazing silver-white metal that is even more precious than gold. Its name is derived from the Spanish word Plata, which means little silver. Platinum was first discovered in South America in the 18<sup>th</sup> century. Since its properties had not been properly studied, it was supposed to be a useless substance and was sold quite cheap. But as people discovered how useful it could be, its price went up. A 30-cm platinum cube can fetch several millions of pounds. (Para – 1)

Platinum ore is often mixed with palladium, rhodium, iridium and osmium, which are called platinum metals. Sometimes, such metals as gold, copper, silver, iron, etc. are also found mixed in the platinum ore. Some properties of platinum are really unique. It is one of the hardest metals. But it can be shaped and worked in almost every possible way. It is very pliable, which means it can easily bend without breaking or cracking. It can be drawn into fine wire; it can also be hammered into thin sheets. It is very heavy, almost twice as heavy as lead and about 21 times as heavy as water. Since it has a very high melting point 1772°C it can resist very high intensity heat. Strong acids that dissolve most other metals have no effect on platinum. It neither corrodes nor rusts easily. (Para – 2)

Platinum is used for exact measurement of high temperatures and for making fuses for delicate electrical instruments. In laboratories, it is sometimes used as a container. Motor vehicle manufacturers use it to convert some polluting substances into non-pollutants. Since platinum is an ideal substance for gem-setting, its main use continues to be in jewellery. (Para – 3)

- A. Give the following information about platinum: [0.5 x 4 = 2]  
 a) The colour of platinum - \_\_\_\_\_ b) The Spanish word from which its name is derived – \_\_\_\_\_  
 c) The place where it was discovered - \_\_\_\_\_ d) The melting point of platinum – \_\_\_\_\_
- B. Find words from the passage which mean the following: [ 0.5 x 2 = 1]  
 a) unusual and special - \_\_\_\_\_ ( Para – 2)  
 b) to be slowly damaged by rain or water ( used in context of metals) - \_\_\_\_\_ ( Para – 2)
- C. Complete the following sentence: [ 1 x 1 = 1]  
 Platinum is used in jewellery because - \_\_\_\_\_ ( Para – 3)
- D. Mention any two platinum metals mixed in the platinum ore. ( Para – 2) [ 1 x 1 = 1]

### 2. Read the given poem carefully and answer the questions that follow:

Freedom is the right to do  
Anything that pleases you,  
As long as you keep in sight  
That others also have a right. [Stanza – 1 ]

Have you right to kill a cat?  
Oh no! It's wrong, just consider that  
The cat has the right to live like you  
A right of eating and drinking too! [Stanza – 2 ]

So remember that it's certainly wrong  
To deprive a nightingale its song  
To cheat the poor people, as rich men do  
To rob the innocent, as robbers do [Stanza – 3 ]

To injure someone to win a race  
To despise some and others embrace  
To disobey every order and rule  
And drown a swimmer in the pool [Stanza – 4 ]

And shout and scream like a fool  
Disrespecting the teachers in the school.  
So never forget that although you are free,  
You should think of others, not only 'ME'

[Stanza-5]

- A. Give the antonyms of the following: [ 0.5 x 4 = 2]  
 a) freedom - \_\_\_\_\_ b) remember - \_\_\_\_\_ c) disobey- \_\_\_\_\_ d) fool- \_\_\_\_\_
- B. How are the rights of a cat similar to ours? ( Stanza – 2) [ 1 ]
- C. What similarity has the poet pointed out between rich men and robbers? ( Stanza – 3) [ 1 ]
- D. Mention the two most important lines that sum up the theme of the poem. [ 1 ]

## Section – B ( Writing – 10 marks)

### 3. Diary Entry: [5]

a) Imagine you won the first prize in a painting competition organised in your school. The topic was 'Make My City Green'. Write a diary entry and express your feelings. You may also express the reaction of your friends, your class teacher and your parents.

Or

b) Imagine you went on an excursion with your teachers and friends from your school to a hill station. Express your observations, ideas and thoughts as well as details of the first day of your trip.

### 4. Letter Writing: [5]

a) You are Amrit / Amrita of Std. V-A, Kendriya Vidyalaya, Barakhamba Road, Delhi; residing at 12/24, Karol Bagh, Delhi. Write a letter to the Principal of your school, asking him to excuse you from attending the school assembly. ( Give a valid reason for the same)

OR

b) You are Amrit / Amrita residing at 12/24, Karol Bagh, Delhi. Laying stress upon the importance of trees towards the ecological balance of our planet, write a letter of complaint to the Editor of 'The Times of India', Delhi; about the frequent cutting down of trees in your neighbourhood.

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### Section – C ( Grammar – 30 marks)

- 5. Fill in the blanks using the tenses of the verbs indicated in the brackets:** [ 1 x 10 = 10 ]
- Snow \_\_\_\_\_ on the mountains. ( fall – present tense)
  - This hotel \_\_\_\_\_ only vegetarian food. ( serve – present tense)
  - Last week Ravi \_\_\_\_\_ his leg in an accident. ( hurt – past tense)
  - Yesterday I \_\_\_\_\_ to watch a movie. ( go – past tense)
  - I \_\_\_\_\_ you tomorrow. ( see – future tense)
  - My parents \_\_\_\_\_ Paris next month. ( visit – future tense)
  - They \_\_\_\_\_ their luggage. ( pack – present continuous tense)
  - Today I \_\_\_\_\_ a cap, because I have a cold. ( wear – present continuous tense)
  - They \_\_\_\_\_ their last song, when we reached the theatre. ( sing – past continuous tense)
  - I did not disturb him because he \_\_\_\_\_ a letter. ( write – past continuous tense)

- 6. Pick out the verbs from the following sentences and state their tenses:** [ 1 x 4 = 4 ]
- It rains heavily in July and August.
  - All the trains on this route were late.
  - The Principal will address the students.
  - The nurse has brought the first-aid box.

- 7. Join each pair of sentences using suitable conjunctions and rewrite them:** [ 1 x 4 = 4 ]
- The driver applied the brakes. The truck stopped.
  - I approached all my friends. Nobody helped me.
  - Carry the jug carefully. You will spill the water.
  - Puneet is very sad. He has lost his book.

- 8. Fill in the blanks with suitable prepositions:** [0.5 x 8 = 4 ]
- The news bulletin starts \_\_\_\_\_ 09:00 p.m.
  - The thief jumped \_\_\_\_\_ the well.
  - The aeroplane was flying \_\_\_\_\_ the clouds.
  - She is ashamed \_\_\_\_\_ her failure.
  - Agra is famous \_\_\_\_\_ its historical monuments.
  - Do all of us agree \_\_\_\_\_ this point?
  - Distribute the toffees \_\_\_\_\_ the students.
  - What is the time \_\_\_\_\_ your watch?

- 9. Select words from the brackets to fill in the blanks:** [ 0.5 x 8 = 4 ]
- \_\_\_\_\_ house is small but comfortable. ( There / Their)
  - I want to know \_\_\_\_\_ my answer was correct. ( whether / weather)
  - Gandhiji always followed noble \_\_\_\_\_. ( principals / principles)
  - We must \_\_\_\_\_ our nails regularly. ( pare / pair)
  - Trains running on this \_\_\_\_\_ are often late. ( root / route)
  - Just one \_\_\_\_\_ of this medicine cured my headache. ( dose / doze)
  - My father took a \_\_\_\_\_ from the bank to buy a new car. ( lone / loan)
  - Jharkhand is rich in iron \_\_\_\_\_. ( ore / oar)

- 10. Write antonyms of the following words using suitable prefixes:** [0.5 x 4 = 2 ]
- responsible- \_\_\_\_\_
  - tidy - \_\_\_\_\_
  - pure - \_\_\_\_\_
  - honest - \_\_\_\_\_

- 11. Write the synonyms of the following words:** [0.5 x 4 = 2 ]
- deceive - \_\_\_\_\_
  - faithful- \_\_\_\_\_
  - rich- \_\_\_\_\_
  - haste - \_\_\_\_\_

### Section – D ( Literature – 30 marks)

- 12. Answer the following questions:** [ 3 x 4 = 12 ]
- Why did the farmer think that the school master could turn a donkey into a man?
  - In the poem 'Polite Children', who forgot the oven and why did she forget it?
  - What did Malcolm really bring to class? Give reasons for your answer.
  - What was strange about Miss Honey's front door and why did Matilda think that something strange was going on in Miss Honey's house?

- 13. Reference to context:** [ 2 x 5 =10 ]
- "Do not tell a single human being!"*
    - Who says this to whom?
    - What is the person not supposed to tell?
  - "I want you to turn the Chief Judge back into my donkey."*
    - Who says this to whom?
    - Why does the speaker say this? Does the Chief Judge turn into a donkey?
  - "It's over by the door."*
    - Who says this to whom?
    - What is the speaker talking about?
  - "Of course your Majesty at once."*
    - Who says this to whom?
    - What has the speaker been ordered to do and why?
  - "Woman your are sad! 'Tis the same with me."*
    - Why was the old woman talking to herself?
    - Where did the poet meet the old woman?

- 14. Write the meanings of the following words:** [ 1 x 5 = 5 ]
- grime - \_\_\_\_\_
  - conkers- \_\_\_\_\_
  - flourish- \_\_\_\_\_
  - snickering- \_\_\_\_\_
  - barber - \_\_\_\_\_

- 15. Make sentences with the following words:** [ 1 x 3 = 3 ]
- customer - \_\_\_\_\_
  - mystery - \_\_\_\_\_
  - wedding - \_\_\_\_\_



**8. Complete the series:**

[ 1 x 6 = 6]

- a) Metallic mineral : Calcite :: Non-Metallic mineral : \_\_\_\_\_
- b) The hardest known solid : \_\_\_\_\_ :: The softest known solid : Talc
- c) Clay : Plasticity :: Rubber band : \_\_\_\_\_
- d) Instrument : Seismograph :: Scale : \_\_\_\_\_
- e) Igneous rock : \_\_\_\_\_ :: Metamorphic rock : Marble
- f) Planting trees : Afforestation :: Cutting trees : \_\_\_\_\_

**9. Write 'True' or 'False' for the following statements:**

[0.5 x 6 = 3]

- a) A meteorite is a naturally occurring metallic or stony objects. \_\_\_\_\_
- b) World environment day is celebrated on 15<sup>th</sup> June all over the world. \_\_\_\_\_
- c) CFL bulbs consume a lot of electricity. \_\_\_\_\_
- d) Sputnik 1 was the first man-made satellite. \_\_\_\_\_
- e) We should carry a plastic bag when we go for shopping. \_\_\_\_\_
- f) It is safe to observe a solar eclipse with naked eyes. \_\_\_\_\_

**10. Give two examples of each:**

[0.5 x 6 = 3]

- a) Artificial satellite : \_\_\_\_\_
- b) Translucent object: \_\_\_\_\_
- c) Third class lever : \_\_\_\_\_

**11. Match ( Copy Column – A and write the correct answer from Column – B):**

[0.5 x 6 = 3]

**Column – A**

**Column - B**

- |                                |                   |
|--------------------------------|-------------------|
| a) Moon appears to grow        | soil erosion      |
| b) The gap between two threads | thread            |
| c) Protection of soil          | waning            |
| d) Loss of soil                | pitch             |
| e) Moons appears to shrink     | soil conservation |
| f) The path of the screw       | waxing            |

**12. Draw and label :**

[3.5 + 2.5 = 6]

- a) The Solar Eclipse
- b) An example of second class lever and write its name and also show the position of (F), (L) and (E).



# DELHI PUBLIC SCHOOL

SAIL Township, Ranchi

SECOND SEMESTER (SESSION-2017-18)

CLASS: – V

SUBJECT:- Mathematics

DATE :-10.03.2018

M.M. :- 80

## General Instruction:

In Section – A , write the appropriate answers in Questions 1 and 2. Write the proper steps in Question 3 with correct answer. In Section – B Solve all questions with proper statement and steps.

### Section – A

#### 1. Fill in the blanks with correct answers:

[ 1 x 10 = 10 ]

- An angle measuring more than  $90^\circ$  but less than  $180^\circ$  is called an \_\_\_\_\_.
- The sum of the four angles of quadrilateral is \_\_\_\_\_.
- A line segment whose end point lie on the circle and which passes through the centre is called \_\_\_\_\_.
- The freezing point of water is \_\_\_\_\_ $^\circ$ F.
- Representation of data using picture symbol is called \_\_\_\_\_.
- The number of obtuse angles a triangle can have is \_\_\_\_\_.
- $\frac{5}{8}$  of day = \_\_\_\_\_ hour.
- There can be formed \_\_\_\_\_ possible nets of a cube.
- When 58916 is rounded to the nearest thousand then it is \_\_\_\_\_.
- The radius of circle is \_\_\_\_\_, when its diameter is 9cm.

#### 2. Write True/ False against each statement:

[0.5 x 10 = 5 ]

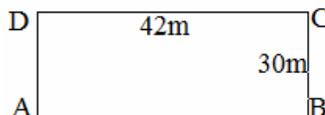
- A line segment joining any two points on a circle is called its diameter.
- The normal human body temperature is  $37^\circ\text{C}$ .
- Maximum number of types of rectangles in the net of a Cuboid is 6.
- The price at which an item is bought is called the cost price.
- $110^\circ$ ,  $50^\circ$ , and  $50^\circ$  can make a triangle
- radius =  $\frac{\text{circumference}}{\pi}$
- As any object goes farther, it appears to be bigger.
- Profit = selling price – cost price.
- Two angles, the sum of whose measure is  $180^\circ$ , are supplementary angle.
- The horizontal line is called  $x$ - axis in bar graph.

#### 3. Do as directed:

[ 2 x 12 = 24 ]

- Find the cost price, when selling price is ₹ 680 and profit is ₹ 50.
- Using protractor construct the angles –
  - $40^\circ$
  - $110^\circ$
- Classify the following triangles –
  - $\Delta ABC$  whose  $\angle A = 90^\circ$ ,  $\angle B = 60^\circ$  AND  $\angle C = 30^\circ$
  - $\Delta ABC$  where  $AB = 2\text{cm}$ ,  $BC = 3\text{cm}$ ,  $CA = 4\text{cm}$

- In the given rectangle ABCD.



Find the measure of  $\overline{AB}$  and  $\overline{AD}$

P.T.O.

- e) Convert  $100^{\circ}\text{C}$  into  $^{\circ}\text{F}$ .
- f) Add 6 hours 35 minutes and 4 hours 35 minutes.
- g) Subtract 8 days 18 hours from 12 days 10 hours.
- h) Round 7.543 and 226.936 to the nearest hundredth.
- i) Convert 12 hours 7 minutes into seconds.
- j) Draw a net of a cone which has open base.
- k) A Cuboid is 9cm long 5cm broad and 6cm high. Find its volume.
- l) Draw a circle whose radius is 3cm.

**Section – B**

**4. Solve:**

[ 3 x 7 = 21 ]

- a) The circumference of a circle is 176cm. Find its radius.
- b) Find the length of a rectangle whose area is 96 sq. m. and breadth is 8m.
- c) By travelling 8 hours 30 minutes, Rakesh arrives in the Bhopal at 5:20 p.m. By what time did he start his journey?
- d) Generate a net of –
  - i) A cubical water tank opened from top
  - ii) A cylindrical object, whose both plane surfaces are covered with cone.
- e) Praveen bought a watch for ₹ 2140 and sold it at a gain of 10%. Find the selling price of the watch.
- f) The perimeter of a square is 64cm. Find its area.
- g) Read the two dimensional data table and answer the following questions:

First direction :-							
	Class / Days	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Second Direction	I	42	46	40	46	40	35
	II	40	45	40	45	35	30
	III	45	45	50	50	42	35
	IV	30	35	45	42	46	40
	V	48	46	48	50	48	50

- i) How many student were present in class IV on Friday ?
- ii) On what day the attendance of students was highest in class V ?
- iii) Which class did have the maximum attendance on Wednesday ?

**5. Solve :**

[ 4 x 5 = 20 ]

- a) On a particular day, the maximum and minimum temperatures are recorded as  $35^{\circ}\text{C}$  and  $20^{\circ}\text{C}$  respectively. Express the difference of two temperatures in Fahrenheit.
- b) A man bought 360 eggs at ₹12 per dozen. 60 eggs were broken and 30 eggs were rotten. Find his profit or loss percent, if he sells the rest of the eggs at ₹ 15 per dozen.
- c) The radius of a circular plot is 108.5 m. It is to be covered by boundary wall. Find the total cost of constructing boundary wall, if the construction of 1m wall costs ₹ 510.
- d) A lawn 50m. long and 40m broad has a path of uniform width 8m outside it. Find the area of the path and the cost of levelling it at the rate of ₹ 50 per sq. meter.
- e) Draw a vertical bar graph from the following data –

Subject	Maths	Social Science	General Science	Hindi	English
No. of Students	50	90	70	80	60