



St. Mary's School, Dwarka
Holiday Homework
Std. VIII
Week 4
Worksheet 4

Subject: English

Q1. Read the passage given below.

It may seem crazy when you watch your dog bury his favourite bone or chew a toy, only to dig it up a day or two later. The reason is- it is simply in their nature. Dogs have buried their bones for four thousands of years. This practice started long before dogs were even pets, when their ancestors had to bury bones to survive.

When dogs lived in the wild, sometimes food was scarce. If they were able to find meat and bones, dogs became very protective of it. Sometimes they would have more meat than they could eat for one meal. To keep other dogs and animals from stealing their meat, dogs would bury it in the ground. When it was time for the next meal, they would dig up their bones and enjoy them again. This would continue until the meat and bones were gone.

Even though most dogs have plenty of food to eat today, their instincts still tell them to bury bones and favourite toys. They do this to keep other dogs and animals from stealing them, just like their ancestors did. Some dogs hide more than one bone at different places. This leaves a backyard full of holes and bones.

So how do dogs decide where to bury their bones? A dog cannot bury a bone just anywhere. He must first find the perfect spot. This involves using his nose to sniff out a spot that is free from predators. Often it is near a tree or a large rock, but it could be anywhere in the yard. Once the dog finds the perfect spot, he uses his front paws to dig the hole, drop the bone and covers up the hole to protect his treasure.

Unfortunately, even while they bury the bone near a special tree or mark their territory, they do not always remember where the bone is buried. Thankfully, they have an impeccable sense of smell. a dog can smell a bone even if it has been buried for years. Most of the dogs find bones they have buried on their own, but they can also find bones buried by other dogs. To the dog, whatever he finds is a treasure.

On the basis of your reading of the passage, choose the correct option:

(1x5 =5)

1. The dogs bury bones _____.

- a) to protect their families
- b) as it is simply in their nature.
- c) because they follow other dogs.
- d) to have a little fun

II. What does the word 'scarce' most likely mean?

- a) insufficient
- b) copious
- c) rare
- d) plentiful

III. Why do pet dogs bury food even when they have plenty to eat?

IV. Which one of them is **NOT** the way a dog buries its treasure?

- a) A dog uses his paw to bury its bones.
- b) He keeps it safely in the hollow of a tree.
- c) He hides it in its kennel.
- d) A dog uses his nose to sniff out a spot that is free from predators.

V. Replace the underlined word with its antonym from the text.

The student was disappointed with her imperfect score but she vowed to study harder for her next exam.

Answer questions 2 to 4 in 20-40 words.

(2x3=6)

Q2. What do the people mentioned in the poem 'Goody for Our Side and Your Side Too', wish to do? **(2)**

Q3. What work did the mysterious invaders do in the chapter 'There Will Come Soft Rains' **(2)**

Q4. Why do you think there is a conflict between the natives and foreigners? **(2)**

Answer question 5 in 60 -80 words.

Q5. Why does the house continue its activity even when it no longer makes sense? **(3)**

Q6. Make a collage of the freedom fighters on an A/4 sheet and write a note or a token of thanks also. **(5)**

Q7. Fill in the blanks with the most appropriate words from the brackets: **(1x2=2)**

- i. The teacher divided the sweets _____ all the children. (between/among)
- ii. The boy _____ the store is quite young. (at/on)

Q8. Fill in the blank with suitable words **(2)**

- i Its windy today, _____ take your umbrella _____ be careful.

Complete the given sentence, by filling in the blank with the correct option:

- ii. I have _____ respect _____ admiration for them.

a) whether..... or (b) andso (c) bothand (d) neitheror

Q9. You are Ragini/Rajan, the Head Boy/Head Girl of St. Peter's School, Lucknow. Your school is going to organize a workshop on 'Table Manners and Etiquettes' for the students of classes IX-XII. Draft a notice to be put up on the school notice board informing the students about the same in not more than 50 words. Enclose the notice in a box. (3)

Q10. You are Sushant/Sushma residing at 23-C Park Apartments, Dwarka, New Delhi-110075. Your friend Kunal loves reading books. Write a letter to him in about 120 words, inviting him to spend a week with you so that both of you can attend a 'Book Fair' that will be held in your city in the month of July. (4)

Subject: Hindi

प्रश्न 1 निम्नलिखित अपठित गद्यांश को पढ़कर प्रश्नों के उत्तर उचित विकल्प चुनकर दीजिए —

(1x5=5)

जनसंख्या की वृद्धि भारत के लिए आज एक विकट समस्या बन गई है। यह समाज की सुख-संपन्नता के लिए एक भयंकर चुनौती है। महानगरों में कीड़े-मकोड़ों की भाँति अस्वास्थ्यकर घोंसलों में आदमी भरा पड़ा है। न धूप, न हवा, न पानी, न दवा। पीले-दुर्बल, निराशा चेहरे। यह संकट अनायास नहीं आया है। संतान को ईश्वरीय विधान और वरदान माननेवाला भारतीय समाज ही इस स्वतंत्रता की संस्कृति के लिए जिम्मेदार है। चाहे खेलाने को रोटी और पहनाने को वस्त्र न दें, शिक्षा को शुल्क और रहने को छप्पर न हो, लेकिन अधभूखे, अधनंगे बच्चों की कतार खड़ी करना हर भारतीय अपना जन्मसिद्ध अधिकार समझता है। यही कारण है कि प्रतिवर्ष एक आस्ट्रेलिया यहाँ की जनसंख्या में जुड़ता चला जा रहा है। यदि इस जनवृद्धि पर नियंत्रण न हो सके तो हमारे सारे प्रयोजन और आयोजन व्यर्थ हो जाएँगे। धरती पर पैर रखने की जगह नहीं बचेगी।

जब किसी समाज के सदस्यों की संख्या बढ़ती है, तो उसे उनके भरण-पोषण के लिए जीवनोपयोगी वस्तुओं की आवश्यकता पड़ती है। परंतु वस्तुओं का उत्पादन तो गणितीय क्रम से होता है और जनसंख्या रेखागणित की दर से बढ़ती है। फलस्वरूप जनसंख्या और उत्पादन दर में चोर-सिपाही का खेल शुरू हो जाता है। आगे-आगे जनसंख्या दौड़ती है और पीछे-पीछे उत्पादन-वृद्धि। वास्तविकता यह है कि उत्पादन वृद्धि के सारे लाभ को जनसंख्या की वृद्धि व्यर्थ करा देती है। देश वहीं-का-वहीं पड़ा रहता है। वस्तुएँ अलभ्य हो जाती हैं। महँगाई निरंतर बढ़ती है। जीवन-स्तर गिरता जाता है। गरीबी, अशिक्षा, बेकारी बढ़ती चली जाती है।

1 भारत में बढ़ती जनसंख्या के लिए कौन जिम्मेदार है?

- (क) सरकार
- (ख) भारतीय समाज
- (ग) भगवान
- (घ) परिजन

2 पारिवारिक जीवन कैसा हो गया है ?

- (क) क्लेशमय
- (ख) सुखमय
- (ग) आकर्षित
- (घ) धन-धान्य से पूर्ण

3 महानगरों में किस तरह से लोग रहते हैं ?

- (क) कीड़े-मकोड़ों की भाँति
- (ख) राजा की भाँति
- (ग) अशिक्षित व्यक्ति की भाँति
- (घ) पशुओं की भाँति

4 जनसंख्या किस दर से बढ़ रही है?

- (क) रेखागणित
- (ख) बीजगणित

- (ग) सांख्यिकी
- (घ) अंकगणित

5 'धरती' शब्द का सही पर्यायवाची शब्द क्या होगा?

- (क) अंबर
- (ख) भू
- (ग) पाताल
- (घ) संसार

प्रश्न 2 निम्न शब्दों में से कौन-सा शब्द विशेषण है ?

1

- 1 नीला
- 2 धीरे-धीरे
- 3 सूर्योदय
- 4 आज

प्रश्न 3 मेरे पास कुछ रखा है। रेखांकित शब्द क्या है?

1

- 1 संज्ञा
- 2 क्रिया-विशेषण
- 3 विशेषण
- 4 सर्वनाम

प्रश्न 4 जंगल में मोर नाचा, किसने देखा? इसमें मोर शब्द का क्या लिंग है?

1

- 1 स्त्रीलिंग
- 2 पुल्लिंग
- 3 नपुंसक लिंग
- 4 एकवचन

प्रश्न 5 मूल भाषा से उत्पन्न विभिन्न भाषाओं के समूह को क्या कहते हैं?

1

- 1 मातृभाषा
- 2 राजभाषा
- 3 भाषा परिवार
- 4 राष्ट्रभाषा

प्रश्न 6 देवनागरी लिपि का विकास किस लिपि से हुआ है?

1

- 1 ब्राह्मी
- 2 फारसी
- 3 रोमन
- 4 बांग्ला

प्रश्न 7 लाख की चूड़ी और काँच की चूड़ी में क्या अंतर है? आपको किस तरह की चूड़ी पसंद है?

(3x1=3)

प्रश्न 8 वस्तु-विनिमय किसे कहते हैं? पहले के समय और आज के समय में क्या-क्या बदलाव आया है? (3x1=3)

प्रश्न 9 क गौतम बुद्ध का जन्म कहाँ हुआ था और उनकी पत्नी और पुत्र का क्या नाम था? (2x1=2)

ख बुद्ध के पिता का क्या नाम था? उन्होंने गौतम के नगर भ्रमण के लिए क्या-क्या व्यवस्था की? (2x1=2)

प्रश्न 10 'कक्षा में हुई विभिन्न गतिविधियों के विषय में दो मित्रों के बीच हुई बातचीत को 60 से 70 शब्दों में संवाद के रूप में लिखिए। (5x1=5)

Subject: Mathematics

- Q1. State whether the following are True/False: (0.5 x 4 =2)
- a) Rational numbers are not closed under division, if zero is excluded, then the collection of all other rational numbers is closed under division.
 - b) For any rational number a , $a \div 0$ is not defined.
 - c) A rational number a/b is called the multiplicative inverse of another rational number c/d if $a/b \times c/d = 0$.
 - d) A number which can be written in the form p/q , where p and q are whole numbers and q is not equal to 0 is called a rational number.

Q2. Choose the correct option: (1x2 =2)

i) The value of x for which the expression $5x-13$ and $2x - 1$ become equal is ____.

- a) -3 b) 0 c) 5 d) 4

ii) The digit in the tens place of a two digit number is 3 more than the digit in the units place . let the digit at units place be b . Then the number is ____.

- a) $11b + 30$ b) $10b + 30$ c) $11b + 3$ d) $10b + 3$

Q3. Solve the equation and check your answer : $\frac{2}{5}x - 2 = 5 - \frac{3x}{5}$ (2)

Q4. Name the property that is reflected in the following expression: (0.5x4 =2)

- a) $5/11 \times 11/5 = 1$
- b) $24/10 \times 5/6 = 5/6 \times 24/10$
- c) $5 + (-5) = 0$
- d) $99 \times 58 = 100 \times 58 - 1 \times 58$

Q5. Note down your admission number. Take x times of last digit of your admission number and add your roll number to it . Put it equal to your age and solve the equation for x . (2)

Q6. Represent the following rational numbers on a number line : (3)

$$\frac{7}{8}, \frac{-2}{4}, \frac{5}{2}, \frac{-4}{16}$$

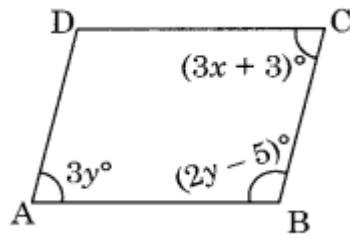
Q7 If we represent the distance towards North with positive rational number and the distance towards South as negative rational number. The speed of a body 'A' is $5/2$ m per second. Draw figure and find the distance from the origin when : (3)

- a) 'A' travels towards South for 20 seconds.
- b) 'A' travels towards North for 16 seconds.

Q8. Find the sum using suitable property: (1.5 x 2 =3)

- (i) $4/3 + 3/5 + (-2/3) + (-11/5)$
- (ii) $(-8/3) + (-1/4) + (-11/6) + 3/8$

Q9. In the given parallelogram ABCD, find the value of x and y. (3)



Q10. Activity work : Make a G.O. on A4 size sheet showing the classification of quadrilaterals and depicting their properties . (3)

Subject: Science

Q1 What is carbonisation? (1)

Q2. A box that weighs 250 N is at rest on the floor. The pressure exerted by the box on the floor is 25000 Pa. Calculate the area of contact of the box with the floor. (1)

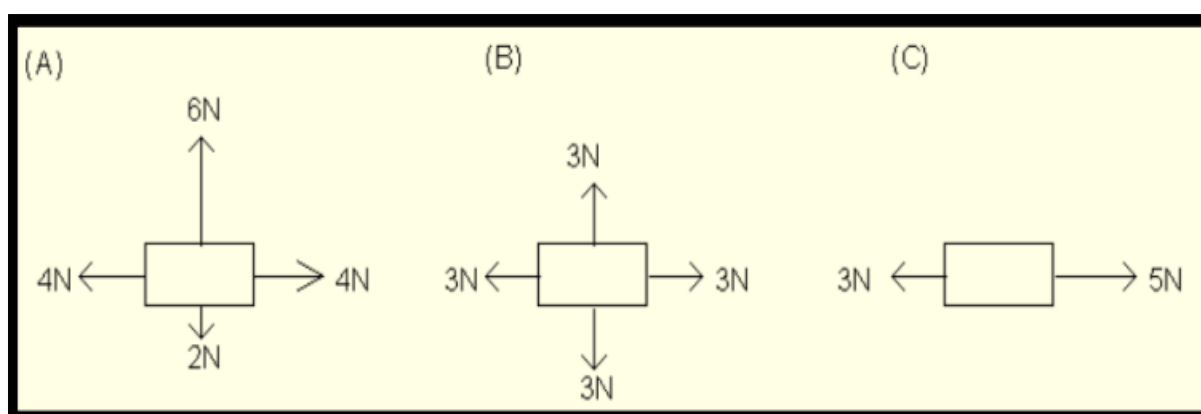
Q3. Give reason: (1+1=2)

- (a) Coal and petroleum cannot be prepared in the laboratory.
- (b) Coal is one of the fuels used to cook food.

Q4. Name the machine given below. What is it used for? (2)



Q5. Calculate the net force and find the direction of movement in each of the following cases: (1+1+1=3)



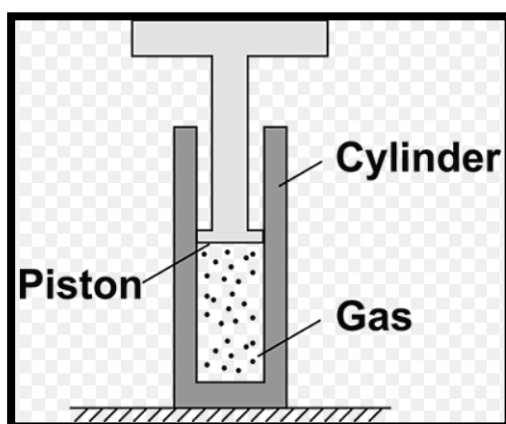
Q6. (a) Why is petroleum termed as 'Black Gold'? (1+2=3)

(b) List different constituents of petroleum and write their uses.

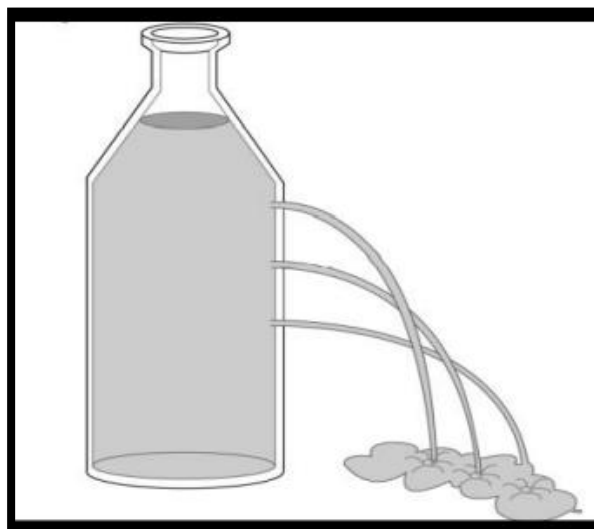
Q7. Observe the given pictures showing irrigation methods and name them. Which irrigation method would you recommend to a farmer and why? (3)



Q8. (a) The pressure of a gas contained in a cylinder with a movable piston is 300 Pa. The area of the piston is 0.5 m^2 . Calculate the force that is exerted on the piston. (2.5)



(b) A student pours water in a bottle which has three holes at different heights in the bottle. The water starts coming out as shown in the picture below. List the inferences which can be made from the experiment conducted. (2.5)



Q9. When heated in air, coal burns and produces mainly carbon-dioxide gas. Coal is processed in industry to get some useful products such as coke, coal gas and coal tar. Each of these components are very useful. Coal tar obtained is a mixture of around 200 substances. (1x5=5)

- (a) What is the property of coal tar?
- (b) For what purpose is bitumen used?
- (c) Which substance is used for the manufacture of steel?
- (d) Naphthalene balls are made from coal tar. What are they used for?
- (e) Burning of fossil fuels causes air pollution. Justify.

Q10. Recently Indian Farmers Fertilizer Cooperative Limited (IFFCO) introduced Nano Urea Liquid for farmers. List any three reasons why Nano Urea is better than granular urea. How can Nano Urea bring revolution in the field of agriculture. (5)



Subject: Social Science

General Instructions:

- The work should be done neatly and in a systematic way.
- The given worksheets are to be done in History and Civics notebook.
- Mention the number of worksheet while doing the work.
- Write questions along with the answers and number them correctly.
- Maps/diagrams are to be pasted/drawn in the notebook.
- Project work is to be done in a scrap file.

- Q1. Define the given terms: 1
(i) Democratic (ii) Republic
- Q2. Give any two reasons why the British needed a large army? 1
- Q3. Explain briefly the 'Dowry Prohibition Act'. 1
- Q4. List any two methods of soil conservation. 1
- Q5. What is Preamble? Explain the features 'Justice and Equality' given in the Preamble. 2
- Q6. "A span of time is more important in history rather than a precise date". Elucidate. 3
- Q7. Give three points of difference between Red soil and Laterite soil? 3
- Q8. Answer the given questions briefly: 3



- (a) Why do people defy laws?
- (b) When and where did Salt Satyagraha begin?
- (c) Why was this movement launched?

Q9. Look at following picture and answer the questions that follow.

5

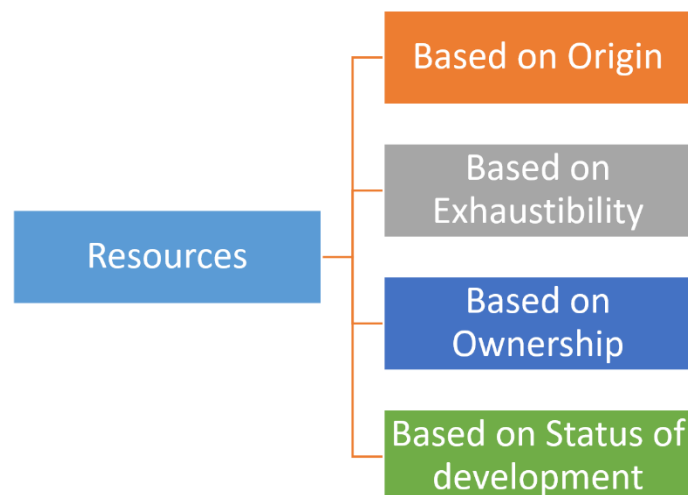


- (i) Identify the person in the picture above. When did he become Governor General?
- (ii) How did he acquire territories in India?
- (iii) Which Indian rulers signed his alliance?
- (iv) What were the conditions that the Indian rulers who signed the alliance had to agree with?
- (v) How was the alliance advantageous to the British?

Q10. Project Work

5

- Search and find out information about the below given classification of resources (their availability, utility, value and how these can be conserved).
- Present the information gathered about these resources along with the relevant pictures in a scrap book.



Subject: Sanskrit

प्रश्न 1 अधोलिखितं गद्यांशं पठित्वा बहुविकल्पकान् प्रश्नान् उत्तरत -

(1×5= 5)

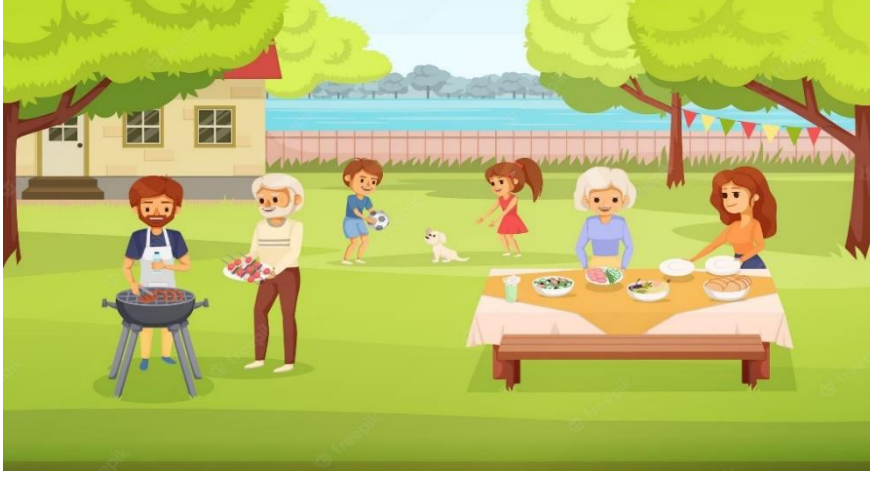
एकस्मिन् ग्रामे जगतपालः नाम एकः सज्जनः वसति स्म। तस्य पत्न्याः नाम कला आसीत्। जगतपालः सप्तत्रिंशत् वर्षीयः कला द्वित्रिंशत् वर्षीयः च आस्ताम्। जगतपालस्य हृदयम् अतीव उदारम् कलायाः स्वभावः च अतीव मधुरः आसीत्। तौ दम्पती सुखेन निवसतः स्म। तयोः द्वे सन्ततिः स्तः एकः पुत्रः एका पुत्री च। पुत्रस्य नाम विवेकः पुत्र्याः नाम प्रतिभा च आसीत्। विवेकः एकादश वर्षीयः प्रतिभा च सप्तवर्षीया। विवेकः सप्तमकक्षायाम् पठति स्म प्रतिभा च तृतीयायाम् कक्षायाम् पठति स्म। आम्र-निम्ब मधूकादि वृक्षाणाम् छायासु स्थितम् जगतपालस्य गृहम् अत्यन्तम् रमणीयम् वर्तते। जगतपालः एकः उद्योगी कुशलः च कृषकः आसीत्। सः सर्वदा कृषिकर्मणि संलग्नः च पालयति स्म। सः परिश्रमम् कृत्वा स्वक्षेत्रे पर्याप्तम् अन्नम्, शाकम्, फलम् च उत्पादयति स्म। तस्य गृहे एका श्वेतवर्णा धेनुः वर्तते। सा यथा इच्छितम् दुग्धम् ददाति स्म। जगतपालः सुखेन सपरिवारेण सह निवसति स्म।

- 1 विवेकः कस्मिन् कक्षायाम् पठति स्म? 1
 - (क) द्वितीयाकक्षायाम्
 - (ख) सप्तमकक्षायाम्
 - (ग) प्रथमाकक्षायाम्
 - (घ) अष्टम् कक्षायाम्
- 2 जगतपालस्य पुत्रस्य नाम किम् आसीत्? 1
 - (क) राघवः
 - (ख) पारादशः
 - (ग) विवेकः
 - (घ) सुरेशः
- 3 का यथा इच्छितम् दुग्धम् ददाति स्म? 1
 - (क) महिषी
 - (ख) रमेशः
 - (ग) ग्वालः
 - (घ) धेनुः
- 4 कलायाः स्वभावः कीदृशः आसीत् ? 1
 - (क) अतीव कर्कशः
 - (ख) अतीव मधुरः
 - (ग) अतीव वक्त्र
 - (घ) अतीव सरलः
- 5 'सप्तवर्षीया बालिका' इति पदयोः विशेषण पदम् किम् अस्ति ? 1
 - (क) सप्तवर्षीया
 - (ख) सप्त बालिका
 - (ग) बालिका
 - (घ) वर्षीया बालिका

प्रश्न 2 चित्रम् दृष्ट्वा दत्तपदानां सहायतया रिक्तस्थानानि पूरयत —

($\frac{1}{2} \times 6 = 3$)

मञ्जूषा = कन्दुकम् , वृक्षाः , बालिका , उद्यानम् , कुक्कुरः, द्वे



- 1 अस्मिन् चित्रे एकम् ----- अस्ति ।
- 2 उद्याने हरिताः ----- सन्ति ।
- 3 एकः ----- अस्ति ।
- 4 एका ----- अपि अस्ति ।
- 5 बालकस्य हस्ते ----- अस्ति ।
- 6 ----- महिले स्तः ।

प्रश्न 3 मञ्जूषायाः उचित पदानि गृहीत्वा पत्रं पूरयत —

($\frac{1}{2} \times 6 = 3$)

मञ्जूषा- जनेभ्यः , निवेदयितुम् , कुशलम् , भविष्यति , अपि , नमस्कारः ।

कानपुरतः ।

दिनांक 12.06.2023

प्रिय मित्र

देव

सादरं [1] _____

अत्र सर्वम् [2] _____ । आशासे तत्र अपि सर्वम् कुशलम् [3] _____ । अहम् इदम् [4] _____

इच्छामि यत् अहम् [5] _____ सह अग्रिमे मासे हिमाचलप्रदेशं गमिष्यामि । भवान् [6] _____

अस्माभिः सह चलतु इति मम प्रबला इच्छा अस्ति । वयं सर्वे तत्र मिलित्वा आनन्दानुभवं करिष्यामः । परिवारे पूज्येभ्यः मातापितृभ्याम् प्रणामः ।

भवतः मित्रम्

दीपकः

प्रश्न 4 अधोलिखिते संवादे मञ्जूषायाः उचितपदानि चित्वा रिक्तस्थानानि पूरयन्तु -

($\frac{1}{2} \times 4 = 2$)

मञ्जूषा - छात्राः , ज्ञानन्दः , पठामि , कक्षायाम्

वासुदेवः - हे मित्र ! त्वम् कस्याम् [1] ----- पठसि ?

सुरेशः - मित्र ! अहम् सप्तमी कक्षायाम् [2]----- ।

वासुदेवः - तव कक्षायाम् आचार्यस्य किम् नाम अस्ति ?

सुरेशः- मम कक्षायाम् आचार्यस्य नाम [3]----- अस्ति । तव कक्षायाम् आचार्यस्य नाम किम् अस्ति ?

वासुदेवः - मम कक्षायाम् आचार्यस्य नाम परमानन्दः अस्ति ।

सुरेशः - तव कक्षायाम् कति [4]----- पठन्ति ?

प्रश्न 5 अधोलिखितेषु रिक्तस्थानेषु प्रकृति प्रत्ययं संयोज्य वाक्यपूर्तिं कुरुत

($\frac{1}{2} \times 4 = 2$)

(1) छात्राः ----- (क्रीड् + क्त्वा) प्रसन्नाः भवन्ति ।

(2) आदित्यः पितरौ----- (नम् + क्त्वा) पठति ।

(3) रामः विद्यालयम् ----- (गम् + क्त्वा) लेखम् लिखति ।

(4) राधा रामायणम् ----- (श्रु + तुमुन्) देवालयं गच्छति ।

प्रश्न 6 कोष्ठके प्रदत्तैः उचित संख्या पदैः रिक्तस्थानानि पूरयत-

($\frac{1}{2} \times 4 = 2$)

(1) मुखे ----- नासिका अस्ति । (1)

(2) एकस्मिन् हस्ते ----- अंगुल्याः भवन्ति । (10)

(3) मासे ----- दिनानि सन्ति । (30)

(4) मम कक्षायाम् ----- छात्राः सन्ति । (45)

प्रश्न 7 रेखांकित पदम् आधृत्य प्रश्नं निर्मीयताम् -

($\frac{1}{2} \times 4 = 2$)

1) तौ पत्रं लिखतः ।

(2) सा राधा अस्ति ।

(3) अहम् आम्रफलम् खादामि ।

(4) तानि पुस्तकानि सन्ति ।

प्रश्न 8 शब्दानाम् अर्थः लिखत -

($\frac{1}{2} \times 4 = 2$)

शक्तः , अन्तेष्टुम् , वाष्पयानम् , नूतन

प्रश्न 9 परस्परम् मेलनम् कुरुत -

($\frac{1}{2} \times 4 = 2$)

(1) शीतकम् अनेन वार्ताः संगीतं च श्रृणुमः ।

(2) वायुयानम् आवागमनस्य प्रमुखं यानम् ।

(3) ध्वनिविक्षेपकयन्त्रम् अस्मिन् जलं शीतलम् भवति ।

(4) वाष्पयानम् अनेन द्रुगत्याम् गच्छामः ।

प्रश्न 10 समुचित पदेन रिक्तस्थानानि पूरयत -

($\frac{1}{2} \times 4 = 2$)

मञ्जूषा- गच्छति , धावन्ति , द्रक्ष्यामः , आनयति

- (1) सौम्या देवालयम् ——— ।
- (2) मातुलानि वस्त्राणि ——— ।
- (3) कीडकाः कीडास्थले ——— ।
- (4) वयम् अपि अक्षरदेवालयम् ——— ।

Subject: Computer Science

Practical based questions:

Instructions:-

(2x10=20)

Paste the snip of the program code and the output window after each question.

Save the file as Ch 2-3 Python Practical .pdf

Upload the pdf file under the assignment created in Microsoft Teams.

Write the Python program for the following using input() statement:-

1. To find the volume of cylinder. ($v = \pi * r * r * h$) where value of pi is 3.14
2. To find the area of triangle. ($a = 1/2 * b * h$).
3. To find the surface area of a hemisphere. ($s = 2 * \pi * r * r$) , where value of pi is 3.14
4. To convert Celsius temperature into Kelvin. ($K = 273 + C$).
5. To find the area of cuboid. ($a = 2 * h * (l + b)$)
6. To convert 4 hours into minutes. (1hour = 60 minutes)

Loop Statement Programs – while () statement

7. To print the numbers in the reverse order from 10 to 1.
8. To print the sum of odd natural numbers

Decision Statement Programs – if...else , if..elif..else statement

9. To print the grades achieved by the students as per the marks scored by the students.

MARKS RANGE	GRADE
91 - 100	A1
81 - 90	A2
71 - 80	B1
61 - 70	B2
51 - 60	C1
41 - 50	C2
33 - 40	D
32 & below	E

10. To check whether the entered number is positive or negative.