





ARMY PUBLIC SCHOOL RATNUCHAK
MULTIPLE ASSESSMENT
SESSION 2023-24
CLASS I

SUBJECT:- ENGLISH

Q1:

Let's play bowling! Read the word on the left.
Then, circle its opposite on the right.

 fast	quick	slow	run
 big	large	small	boy
 happy	dog	merry	sad
 above	below	on	cloud

Q2:

Rearrange the words to make sentences.

1. are They rope. jumping



2. blue. The is car



3. cat The sleeping. is



Q3:

Reading Comprehension

Read The Following

<https://whatistheurl.com>



It is a fruit. It is an apple. The apple is red. I have seven apples. It is good and sweet.

Answer The Following

1. What are we reading about?
a. apple b. orange c. pineapple
2. Apple is a _____?
a. fruit b. vegetable c. animal
3. How many apples do I have?
a. seven b. one c. ten

SUBJECT:- HINDI

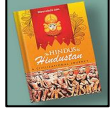
प्रश्न 1 चित्र देखकर सही अक्षर चुनो ।



फल मटर कप



माता आम बाजा



कितब किताब गिलास



घड़ी कील पिला

प्रश्न 2 कौन से व्यंजन पर कौन सी मात्रा लगी है ? पहचान कर जोड़ियाँ बनायें

हा. इ

लि. आ

कु. ई

ची. उ

प्रश्न 3 विलोम शब्द पर गोला लगाओ ।

मोटा - छोटा हल्का पतला

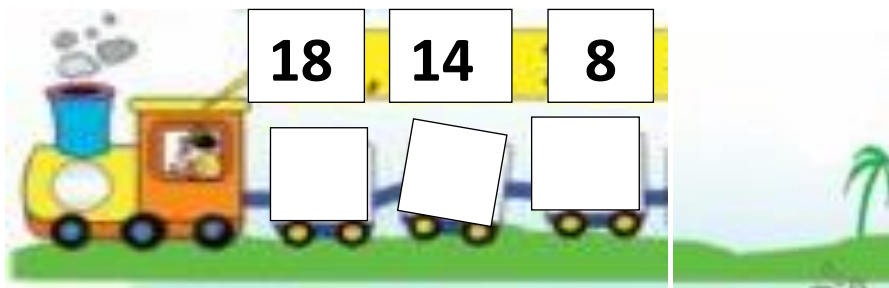
रात - आज दिन शाम

SUBJECT:- MATHS

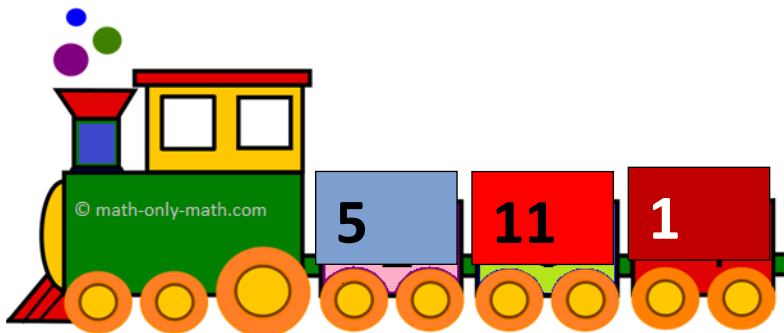
Q1: Arrange the following numbers in ascending order.



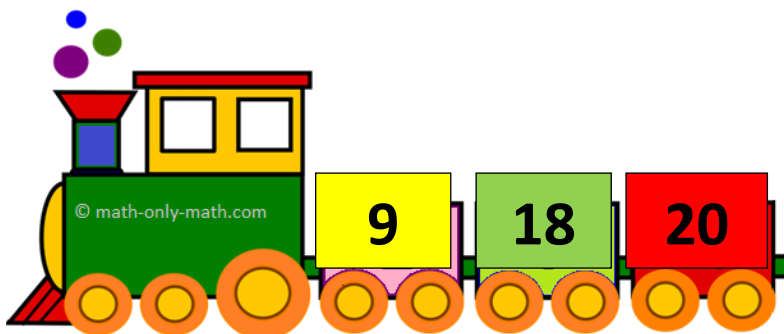
--	--	--



Q2: Arrange the following numbers in descending order.



--	--	--







--	--	--

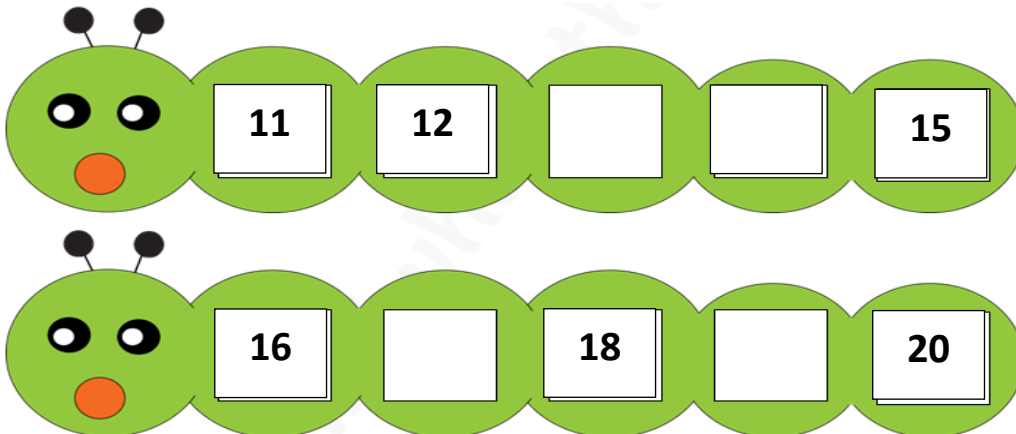
Q3: What comes after and before

After

Before

 11	---	---	 15
 14	---	---	 20

Q4: Write the missing number



The first caterpillar has segments with numbers 11, 12, a blank box, another blank box, and 15.

The second caterpillar has segments with numbers 16, a blank box, 18, another blank box, and 20.

SUBJECT:- EVS

Q1:

About Me


My name is _____.

I am a




A cartoon illustration of a boy with brown hair wearing a red and white striped shirt and blue pants, and a girl with blonde hair in a ponytail wearing a pink dress and blue shoes. They are both smiling and waving.

My eyes are



Two colored circles representing eyes: a black circle and a brown circle.

Colour of my hair is



Two colored circles representing hair colors: a brown circle and a black circle.





I love to



A row of four illustrations: a girl in a pink tutu dancing, a boy with a microphone singing, a paint palette with a brush, and two girls playing with a yellow ball.

Q2:

Look at the picture and circle the correct word.

	<input type="text" value="head"/> <input type="text" value="hed"/>		<input type="text" value="ear"/> <input type="text" value="eye"/>
	<input type="text" value="ear"/> <input type="text" value="eye"/>		<input type="text" value="noz"/> <input type="text" value="nose"/>

Q3:

Label the senses on the right. Draw a line to match each picture to a sense.



SUBJECT:- COMPUTER

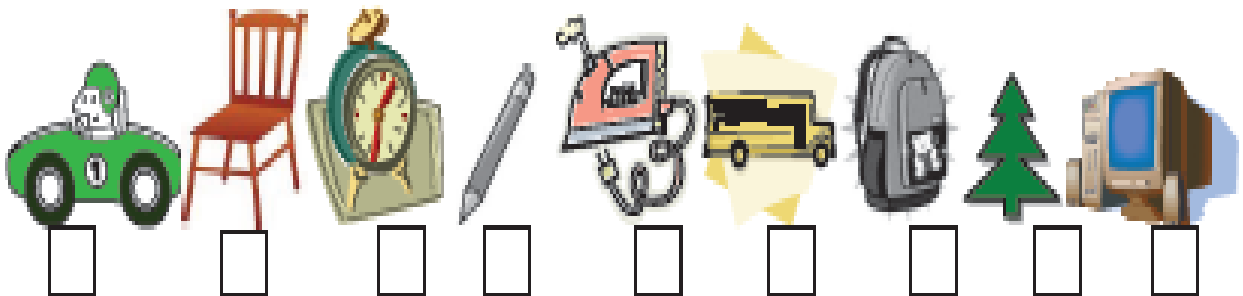


Electricity Time Fast Easy Movies

Q1. Fill in the blanks with appropriate words.

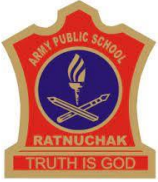
- a. A computer runs on _____.
- b. Machines makes our work _____.
- c. A computer saves our _____.
- d. We watch _____ on computer.
- e. A computer works very _____.

Q2. Identify who am I .Tick the machines and cross which is not machines.



Q3. Write “T” for true and “F” for false.

- a. A computer makes mistakes.
- b. We use computer for playing games.
- c. A computer runs on fuel.



ARMY PUBLIC SCHOOL RATNUCHAK
MULTIPLE ASSESSMENT
SESSION 2023-24
CLASS II

SUBJECT:- ENGLISH

Q1. Rearrange the given words to make sentences. Begin each sentence with a capital letter and end it with a full stop.

i. yellow / sun / is / the

Ans. _____

ii. drink / I / juice / everyday

Ans. _____

iii. am / I / today / happy / very

Ans. _____

Q2. Match the masculine words in column A with the feminine words in column B.

COLUMN A

i. lion

ii. man

iii. uncle

iv. king

COLUMN B

queen



aunt



lioness



woman



Q4. Add -s or -es to write the plural form of the given nouns.

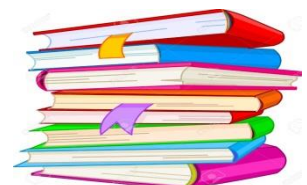
i. girl _____



ii. box _____



iii. book _____



SUBJECT:- HINDI

प्र०1. इ और ई की मात्रा के तीन तीन शब्द लिखो- -

इ

ई

प्र०2. उलटे अर्थ वाले शब्द लिखो -

1. ऊपर - _____

बड़ा - _____

2. बाहर - _____

अच्छा - _____

3. आगे - _____

दिन - _____

प्र०3. दिए गए चित्र को देखकर तीन वाक्य लिखो ।



SUBJECT:- MATHS

Q1: Fill the number in the boxes with their respective place values.

Place Value Quest

Check the models that have **1 ten and 4 ones** in them.

						<input type="text"/>	<input type="text"/>
						<input type="text"/>	<input type="text"/>
						<input type="text"/>	<input type="text"/>
						<input type="text"/>	<input type="text"/>

Q2: Write what comes before and after.

Q3: Write in numerals and in words.

- 146 one hundred forty-six
- 114 _____
- 207 _____
- 347 _____
- 170 _____
- 283 _____
- 191 _____
- 689 _____

Q4. Circle the correct symbol < or >

GREATER THAN LESS THAN WORKSHEETS

Circle > or < symbol. The symbol points to the number that is less

Q5: Write the place value of the underlined digits.

<div style="border: 1px solid purple; border-radius: 15px; padding: 5px; display: inline-block;">1<u>6</u></div> =		<div style="border: 1px solid purple; border-radius: 15px; padding: 5px; display: inline-block;"><u>7</u>7</div> =
<div style="border: 1px solid purple; border-radius: 15px; padding: 5px; display: inline-block;"><u>4</u>8</div> =		<div style="border: 1px solid purple; border-radius: 15px; padding: 5px; display: inline-block;">8<u>2</u></div> =
<div style="border: 1px solid purple; border-radius: 15px; padding: 5px; display: inline-block;"><u>5</u>4</div> =		<div style="border: 1px solid purple; border-radius: 15px; padding: 5px; display: inline-block;"><u>9</u>1</div> =

Q6: Write the expanded form of the following numbers. One has been done for you.

EXPANDED FORM HOUSES
3 digit numbers

A 	B
C 	X
N 	M

SUBJECT:- EVS

Q1. Fill the blanks and complete the sentences.

1. Your real brother is you _____.
2. _____ is also known as the master organ of our body.
3. A _____ is a group of people related to each other.
4. _____ is a sense organ.

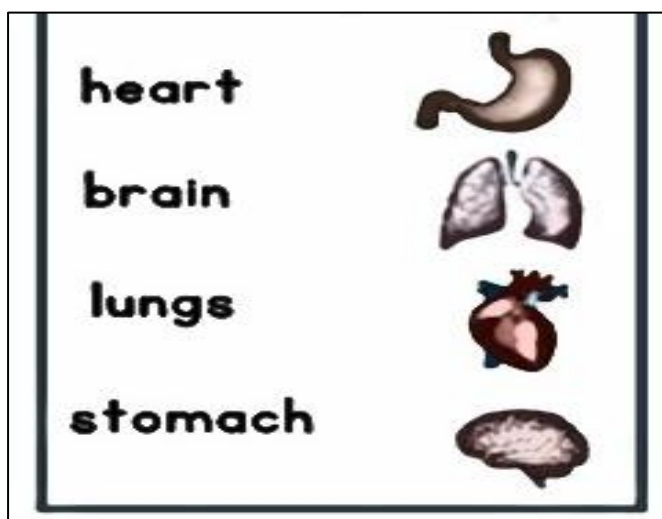
Q2. Tick the correct option.

1. Heart is an _____ organ. (external/internal)
2. A family in which either a mother or a father takes care of the children alone is called a nuclear family / single parent family.

Q3. Circle the odd one out.

1. Hands, heart, lungs, kidneys, brain, liver,
2. Eyes, ears, hair, skin, tongue,

Q4. Match the internal organs with their pictures.



SUBJECT:- COMPUTER



Q1. Fill in the blanks with appropriate words.

Computers Harddisk Output School Desktop

- a. _____ are used to play games.
- b. Speaker is a/an _____ device
- c. _____ is a storage device.
- d. _____ is a type of computer.
- e. Computer is used for making fee record in a _____.

Q2. Name any five computer devices.

- a. _____
- b. _____
- c. _____
- d. _____
- e. _____



ARMY PUBLIC SCHOOL RATNUCHAK
MULTIPLE ASSESSMENT
SESSION 2023-24
CLASS III

SUBJECT:- ENGLISH

Q1. Circle the subject and underline the predicate in the sentences.

1. Tiya is playing with her doll.
2. The monkey is sitting on a mango tree.

Q2. Identify the gender and write masculine/ feminine/ common/neuter gender against the following nouns.

1. lunchbox _____
2. grandfather _____

Q3. Write the synonyms of the given words.

1. powerful _____
2. error _____

Q4. Write the antonyms of the given words.

1. best _____
2. laugh _____

Q5. Read the given sentences carefully and identify whether they are imperative, declarative, interrogative or exclamatory.

1. Switch off the television. _____
2. Do you like chocolates? _____
3. New Delhi is the capital of India. _____
4. Oh no! I missed the bus. _____

SUBJECT:- HINDI

प्र०क उलटे अर्थ वाले शब्द लिखो -

- | | |
|------------------|-----------------|
| 1) उतरना - _____ | 5) एक - _____ |
| 2) ऊपर - _____ | 6) अमीर - _____ |
| 3) ठंडा - _____ | 7) छोटा - _____ |
| 4) अन्दर - _____ | 8) सुबह - _____ |

प्र०ख) दिए गए शब्दों के बहुवचन शब्द लिखो -

- | | |
|---------------------|------------------|
| 1) तोता - _____ | 5) रानी - _____ |
| 2) गुब्बारा - _____ | 6) डाली - _____ |
| 3) बात - _____ | 7) तितली - _____ |
| 4) रात - _____ | 8) चींटी - _____ |

प्र० ग) दिए गए शब्दों के समानार्थक शब्द लिखो :-

1. पेड़ - _____
2. गृह - _____
3. वर्षा - _____
4. आसमान - _____

SUBJECT:- MATHS

1. Write the number name of the following:

4 6 0 9 = _____

2. Circle the number in which place value of 7 is 700

4573, 3708, 7309, 5037

3. Circle the number whose round off nearest tens is 50

59, 55, 44, 43, 52

4. Colour the correct star : Successor of 258 is



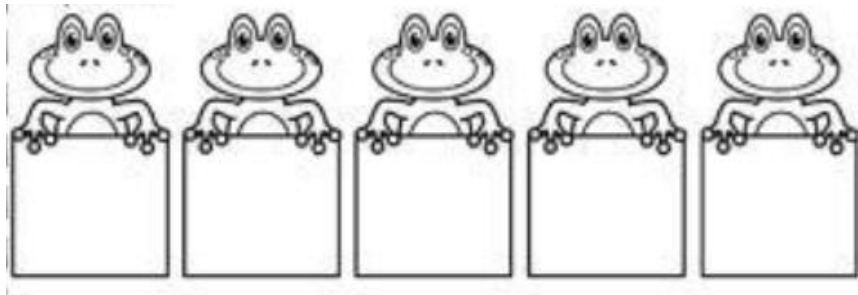
5. Write the numeral for

a. Eight thousand seventy three = -----

b. Six thousand four hundred seven = -----

6. $2000 + 600 + 50 + 7 =$ _____

7. Count by 100's and write next five numbers: 2023



8. Arrange in descending order : 5569, 5432, 5500, 5655, 5030, 5266

--	--	--	--	--	--

9. Match :

Hindu Arabic Number	Roman Number
6	IV
8	IX
4	VIII
9	VI

10. _____ hundreds = one thousand .

SUBJECT:- EVS

Q1: Fill in the blanks.

- i) _____ need support to grow upwards.
- ii) _____ eat dead and decaying animals.
- iii) _____ crawl on the ground or walls with the help of their short limbs.

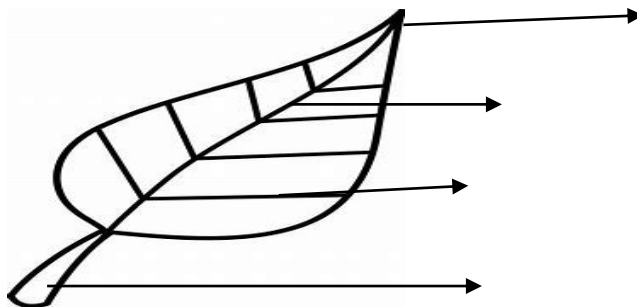
Q2: Give two examples of each.

- i) Leaves eaten by us _____
- ii) Amphibians _____

Q3: State True or False.

- i) Insects have four legs. _____
- ii) Parents and their children makes nuclear family. _____
- iii) Trees have weak stems. _____

Q4: Label the diagram given below.



SUBJECT:- COMPUTER



Q1. Fill in the blanks with appropriate words.

Warm Accuracy Left IPO Interface

- a. GUI is a type of user_____.
- b. _____ is a characteristic of a computer.
- c. Computer works on _____cycle.
- d. Start icon is at _____corner of taskbar.
- e. When we restart a computer, it is known as _____booting.

Q2. Write “T” for true and “F” for false.

- a. A computer cannot work without operating system.
- b. Hardware components that allow us to enter data is Input devices.
- c. Microsoft Paint is a system software.
- d. HP develops Windows 10 operating system.
- e. Mac OS is an operation system.



ARMY PUBLIC SCHOOL RATNUCHAK
MULTIPLE ASSESSMENT
SESSION 2023-24
CLASS IV

SUBJECT:- ENGLISH

Q1. Identify the kind of sentence and mention it in the blank given:

1. Wow! What a beautiful saree. _____
2. Oh ! I lost my money. _____
3. I love to help the needy people. _____
4. Please work hard. _____
5. What is your aim in life? _____

Q2. Circle the subject and underline the predicate in the following sentences.

1. Sourav is going for picnic tomorrow.
2. The fox jumped over the fence.
3. He is feeling sad.
4. Mahi is very hardworking.
5. I kicked the football.

SUBJECT:- HINDI

प्र०क) इन शब्दों के दो -दो पर्यायवाची शब्द लिखो :-

1. सूरज - _____ , _____
2. आकाश - _____ , _____
3. बगीचा - _____ , _____
4. घोडा - _____ , _____
5. नौका - _____ , _____
6. पानी - _____ , _____

प्र० ख) वर्ण -विच्छेद करो -

1. चिड़िया - - - - - + - - - - + - - - - + - - - - + - - - - + - - - -
2. निश्चय - - - - - + - - - - + - - - - + - - - - + - - - - + - - - -
+ - - - -
3. प्रणाम - - - - - + - - - - + - - - - + - - - - + - - - - + - - - -
+ - - - -

प्र० ग) संयुक्त व्यंजनों के तीन - तीन शब्द लिखो -

1. म्म - - - - - , - - - - - ,
- - - - -
2. क्य - - - - - , - - - - - ,
- - - - -
3. स्य - - - - - , - - - - - ,
- - - - -

SUBJECT:- MATHS

Q1: Fill in the blank.

$$500000 + 4000 + 900 + 50 + 6 = \underline{\hspace{2cm}}$$

Q2: Write the greatest and the smallest 5-digit number.

Greatest:

Smallest:

Q3: The Roman numeral for 99 is _____

Q4: What should be added to any number to get its successor?

Q5: Add the following:

$$\begin{array}{rcccccc} & 4 & 1 & 3 & 7 & 6 \\ & & 3 & 7 & 0 & 8 \\ + & & & 3 & 4 & 8 \\ \hline \end{array}$$

Q6: Write the Hindu Arabic numeral for the following:

a) 55 _____

b) 12 _____

Q7: Write the number name for the following numeral.

4,56,098 _____

Q8: Write the predecessor.

_____ 7980

Q9: Write the successor.

99999 _____

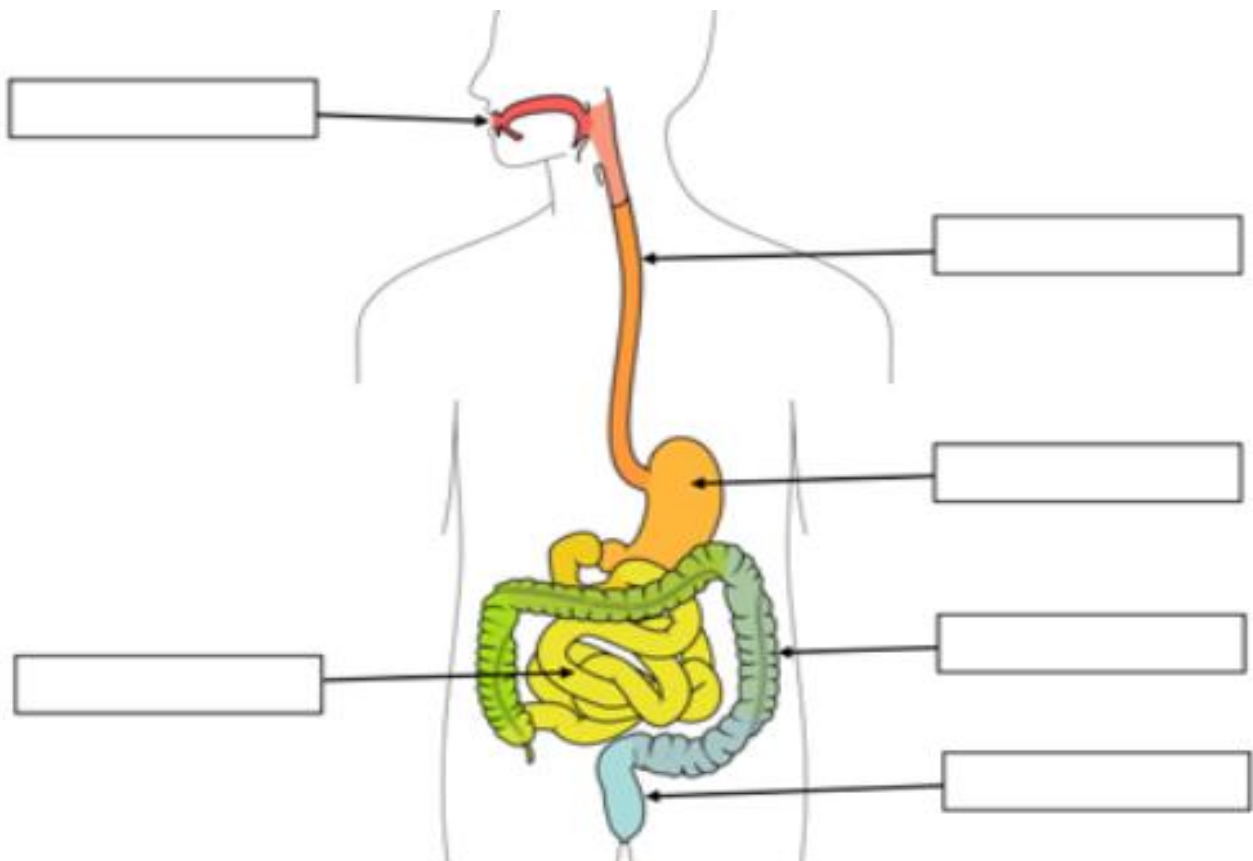
Q10: Solve: L + XIII = _____

SUBJECT:- EVS

Q1. Give one word answer

- 1. Liver releases chemical. _____
- 2. The colour of our skin is due to the pigment. _____
- 3. An outdoor game played between two players. _____
- 4. The process of breathing out air. _____
- 5. Another name for heredity. _____
- 6. Our first school starts from. _____
- 7. My father's parents. _____
- 8. Heart beats in one minutes. _____
- 9. A person who cannot speak. _____
- 10. A National program to bring about development in
the field of games and sports. _____

Q2. Label the given diagram of digestive system.



SUBJECT:- COMPUTER



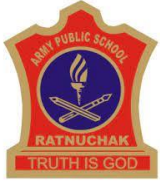
Q1. Fill in the blanks with appropriate words.

CPU RAM Computer Case Tile Lock

- a. System unit is also known as _____.
- b. _____ is a volatile memory.
- c. _____ is a way to position desktop background.
- d. The speed of _____ is measured in MHz and GHz.
- e. You can _____ your screen to prevent others from accessing your computer.

Q2. Write “T” for true and “F” for false.

- a. Windows 10 resizes the tiles in 5 sizes.
- b. Microsoft develops Windows operating system.
- c. Booting is a process of starting and restarting a computer.
- d. SMPS is used to stores data and instructions.
- e. ROM stands for read once memory.



ARMY PUBLIC SCHOOL RATNUCHAK
MULTIPLE ASSESSMENT
SESSION 2023-24
CLASS V

SUBJECT:- ENGLISH

Q1. Identify the kind of sentence and mention it in the blank given:

1. Wow! What a wonderful view. _____
2. Where do you live? _____
3. Please give me some water. _____
4. I have been studying since morning. _____
5. Alas! We lost the match. _____

Q2. Write the correct question tags for the given sentences to change them into questions.

1. She had milk in morning, _____?
2. My father has missed his train, _____?
3. It is not raining heavily, _____?
4. You are late, _____?
5. We are happy, _____?

SUBJECT:- HINDI

प्र०1 उचित कारक चुनकर रिक्त स्थान भरो :-

क) साफ कपडे अलमारी _____ रखे हैं । (में,से)

ख) पुस्तक मेज _____ रखी है । (में ,पर)

ग) यह पुस्तक नेहा _____ है । (की,कि)

घ) संगीता _____ मधुर गीत गया । (ने ,के)

ड) रोहन ने कहा _____ वह आज स्कूल नहीं जाएगा । (की,कि)

प्र०2 वाक्यांश के लिए एक शब्द लिखो -

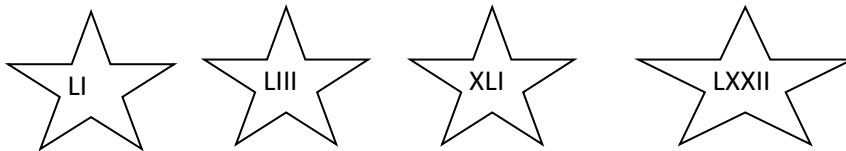
1. जिस पर विश्वास किया जा सके - -----
2. हाथ से लिखा हुआ - -----
3. इतिहास से सम्बन्ध रखने वाला - -----

प्र०3 दिए गए शब्दों के दो -दो पर्यायवाची शब्द लिखो -

1. जग - ----- , -----
2. बादल - ----- , -----
3. उपवन - ----- , -----
4. निर्मल - ----- , -----

SUBJECT:- MATHS

1. _____ thousands make crores.
2. One less than 48 million = _____
3. Add : $4288937 + 2816 =$ _____
4. What should we subtracted from CC to get CLIX



5. Write the numeral for

Eight crore fifteen thousand seventy three = _____

6. $2000000 + 600000 + 50000 + 900 + 9 =$ _____
7. Round off 56785 to the nearest ten thousand = _____.
8. Arrange in descending order : 1005569, 95432, 1235500, 5655, 4565030, 105266

--	--	--	--	--	--

9. What is 1,000,000 less than 3,748,635 ?

10. Predecessor of Smallest six digit number is _____

SUBJECT:- EVS

Q1. Answer the following questions:

1. Name two individual games

2. Name two women achievers of India:

Q2. Fill in the blanks:

1. War and riots are examples of _____ calamities.
2. The government builds temporary shelters for _____.
3. Brain sends message to body parts through _____ nerves.

Q3. State whether true or false-

1. Paralympics are held after every four years. _____
2. Our occupation doesn't affect our choices. _____
3. 21st June is celebrated as world yoga day. _____

Q4. Write short note on blue collar workers and their importance.

SUBJECT:- COMPUTER



Q1. Fill in the blanks with appropriate words.

Information Recycle Bin Ctrl+C Integrated circuits Ctrl+X

- a. _____ is used in third generation computers.
- b. A File is a collection of data and _____.
- c. We can empty _____.
- d. _____ is a shortcut key of cut.
- e. _____ is used to copy a file/folder.

Q2. Write “T” for true and “F” for false.

- a. Document is a by default folder in Windows 10.
- b. Abacus is an early calculating device.
- c. The Fifth generation computer use Vacuum tubes.
- d. A folder is a location for organizing files.
- e. A Subfolder consists of files and subfolders.



ARMY PUBLIC SCHOOL RATNUCHAK
MULTIPLE ASSESSMENT
SESSION 2023-24
CLASS VI

ENGLISH

I. Rearrange the given words to form sentences as directed. (Remember to use (!), (.), (?), and capital letters where required.) (5 Marks)

1. talk/ not/ do/ in/ the/ class (Command)

.....

2. how /she /beautiful /is
(Exclamatory)

.....

3. well/ is/ she/ not/ today
(Negative)

.....

4. angry/you/make/anything/to/I/did/say
(Interrogative)

.....

5. do/ be/more/a/careful/bit (advice)

.....

II. Read the following sentences and state their kind. (Declarative, Interrogative, Imperative or Exclamatory) (5 Marks)

a) We will not tolerate this.

b) Always remember what I told you.

c) How wonderful the painting is!

d) Please let me work.

e) Children like sweets.

III. Fill in the given blanks with a/an/the: (5 M)

1) Harishchandra was honest king.

2) He got M.A degree from the university.

3) Ritu is readingbook.

- 4) apple a day keeps the doctor away.
5) There is cat in tht garden.

IV. Complete each sentence by choosing the correct collective noun from the box (5m)

pack, flock, pride, litter, pod

1. A _____ of sheep was happily grazing in the field.
2. All night we could hear the _____ of wolves howling.
3. Looking out to sea, we noticed a _____ of dolphins swimming.
4. The _____ of lions slept all day on the African plains.
5. Our cat has just had a _____ of seven kittens.

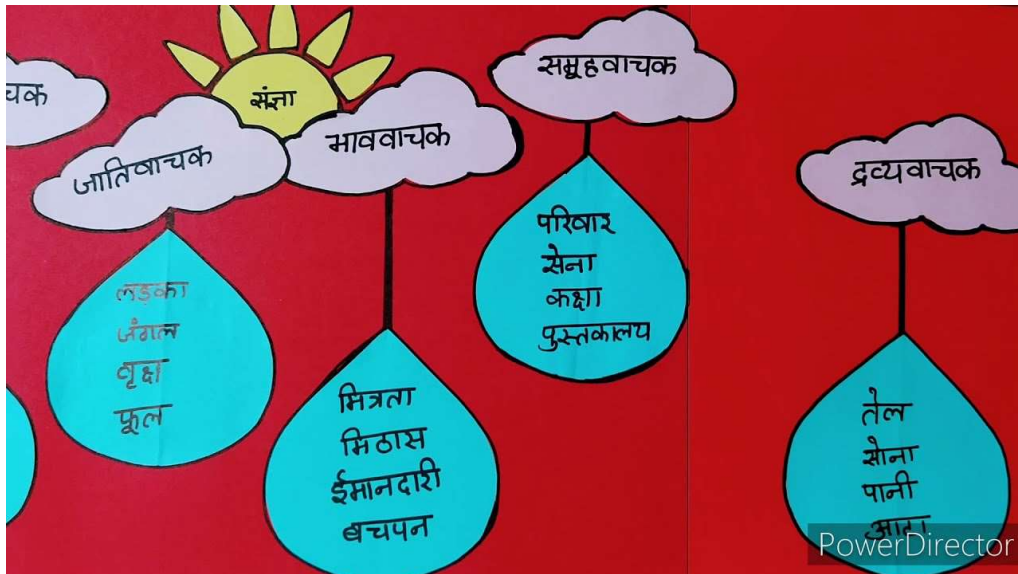
V. Underline the nouns in the given sentences:

(5m)

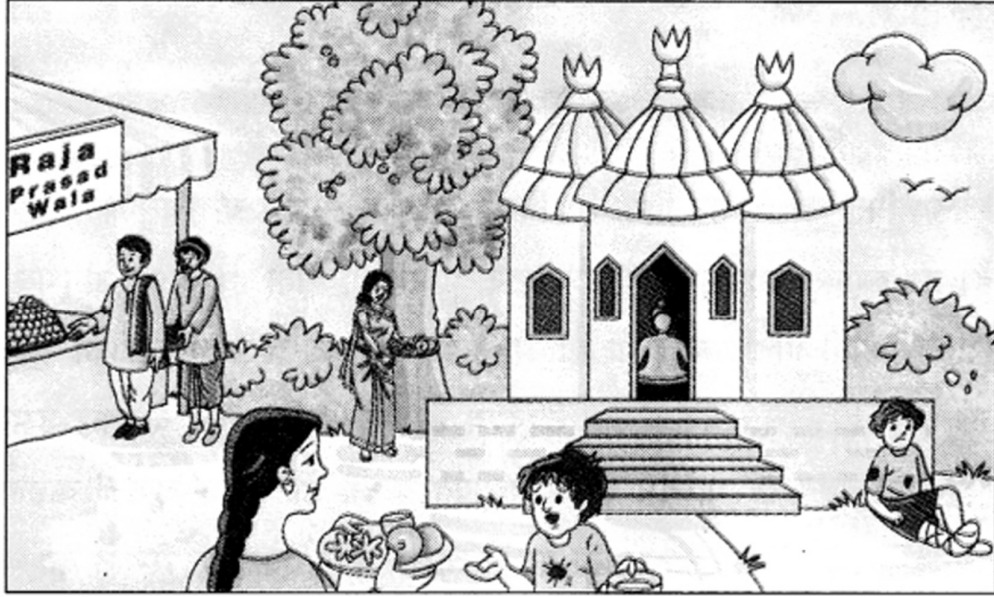
1. The teacher spoke to the parents.
2. He clutched his head in his hands.
3. This shop sells used goods.
4. Their families helped them to prepare for the journey.
5. The children began to regain health.

HINDI

प्र. 1 नीचे दिए गए चित्र से जातिवाचक, भाववाचक, समूहवाचक, द्रव्यवाचक शब्दों का प्रयोग करके चार चार वाक्य बनाएँ व इसी तरह का कोई चित्र भी बनाइए।



प्र.2 नीचे दिए गए चित्र का वर्णन 70-80 शब्दों में कीजिए तथा इस चित्र में कौन-कौन सी क्रिया हुई है उसे अलग करके लिखें ।



प्र.३ नीचे दिए गए व्याकरण वृक्ष के चित्र को सुन्दर एवं अपनी कला द्वारा बना कर उसमें से कारक का चित्र/नमूना (MODEL) बनाएं तथा कारक एवं कारक चिन्ह लिखकर याद करें ।



MATHS

- Q1. The school canteen charges Rs 20 for lunch Rs 4 for milk for each day How much money do you spend in 5 days on these things?
- Q2. If 36 flats cost Rs 68251500 What is the cost of each flat?
- Q3 State the property in statement: $256 \times 24 = 24 \times 256$
- Q4. The difference of largest number of three digit and smallest natural number is
- Q5. What is the H.C.F. two consecutive even numbers?

- Q6. Find the L.C.M. of 12 and 18.
- Q7. Find the least number which when divided by 6, 15 and 18 leave remainder 5 in each case.
- Q8. Renu purchases two bags of fertiliser of weights 75 kg and 69 kg. Find the maximum value of weight which can measure the weight of the fertiliser exact number of times.
- Q9. What is the successor of greatest 6-digit number?
- Q10. Write the smallest and the greatest 5-digit numbers using the digits 0, 2, 4, 6, 8.
- Q11. A student multiplied 3759 by 231 instead of multiplying by 213. How much was his product greater than the correct product?
- Q12. Write all the even numbers between 90 and 100 in Roman Numerals.
- Q13. The distance between the school and Reena's house is 1 km 480 m. Everyday she walks both ways. What distance does she cover in 6 days of a week?
- Q14. (a) The smallest whole number is
 (b) The smallest natural number is
 (c) Difference between 5-digit smallest number and 4-digit largest number is
 (d) Any number divided by 0 is not
 (e) The property used in $84 \times 25 = 25 \times 84$ is
 (f) The property used in $80 \times (60 + 3) = 80 \times 60 + 80 \times 3$ is
- Q15. The HCF and LCM of two numbers are 6 and 120 respectively. If one of the numbers is 24, find the other.

SST

- Q1. What do you mean by the Solar System?
- Q2. Write the names of all planets of the Solar System.
- Q3. How does a planet differ from a star?
- Q4. Why the Earth is called Unique and Blue planet?
- Q5. Prepare a chart of the Solar System.
- Q6. Why ordinary men and women did not generally keep records of what they did?
- Q7. How the lives of kings would have been different from those of farmers?
- Q8. What are differences between manuscripts and inscriptions?
- Q9. List the three ways in which hunter – gatherers used fire?
- Q10. Why did the hunter – gatherers travel from place to place?
- Q11. What is burial and tribe?
- Q12. What is difference between perennial and seasonal lakes and rivers?
- Q13. Draw a list of different festivals celebrated in your locality?
- Q14. What do you think living in India with its rich heritage of diversity adds to your

life?

Q15. How we can say “Unity in Diversity” is an appropriate term used for India?

SCIENCE

(TO BE DONE ON SCIENCE CLASS NOTEBOOK)

1. Name the components of food that protects us from diseases? (2)
2. Define the term soluble and insoluble Substances? (2)
3. What is meant by decantation? (2)
4. What are reversible and irreversible changes? (2)
5. List various joints in human body with examples? (2)
6. How do dolphins and whales breathe? (2)
7. Who created the metric system and why? (2)
8. Define (a) translucent (b) transparent (c) luminous (3)
9. What care should be taken while handling magnets? (3)
10. Explain the construction and working of landfill? (5)

COMPUTER SCIENCE

In your notebooks, attempt the following:

Q1. Name 4 different types of keyboard.

Q2. Name 4 different types of mouse.

Q3. Explain 5 output devices in one sentence each.

Q4. What are the three types of RAM? Explain in one sentence each.

Q5. Name the Types of DRAM.

Q6. What is the difference between EPROM and EEPROM?

Q7. Draw a conversion table of units of memory as discussed in class, starting from 1 bit to 1 Brontobyte.

SANSKRIT

1. पुष्प शब्द लेखनं स्मरणं च | 10

2. दैनिकव्यवहारिक शब्द लेखनं स्मरणं च (शब्दानां संख्या 15) | 10

3. प्रथम एवं द्वितीया पाठे दत्त्वा शब्दार्थ लेखनं स्मरणं च | 5



ARMY PUBLIC SCHOOL RATNUCHAK
MULTIPLE ASSESSMENT
SESSION 2023-24
CLASS VII

ENGLISH

Q1. Complete the sentences with the correct form of the verb given. (10M)

1. If we _____, we _____ there in time. (HURRY, GET)
2. I _____ to the doctor unless the pain _____. (NOT GO, INCREASE)
3. If you _____ in public places you _____ into trouble. (SMOKE, GET)
4. If you _____ the house now, you _____ late for the meeting. (NOT LEAVE, BE)
5. Everyone _____ you if you _____ them the truth. (BELIEVE, TELL)
6. If he _____ up, he _____ to work on time. (NOT WAKE, NOT GET)
7. If she _____ her keys, she _____ angry. (LOSE, BE)
8. If the baby _____ a boy, I _____ him Jonathon. (BE, CALL)
9. You _____ an accident if you _____ so carelessly. (CAUSE, DRIVE)
10. She _____ it if she _____ me the truth. (REGRET, NOT TELL)

Q2. Fill in the blanks using present tense. (7M)

It _____ (be) 9:00 A.M. in the morning and the first thing I _____ (to go) to do is to knock on the door of my mother's room. She always _____ (sleep) till late. Today, she shouldn't sleep so much as a special guest _____ (come) to meet us in the evening, so she must get up.

I normally wake up at 7:00 A.M and then watch the morning show. After that I _____ (to take) a shower and have my breakfast. I _____ (not like eat) omelets in the breakfast, I prefer _____ (to take/to have) two slices of Dawn bread, one glass of milk, and one table spoon of peanut butter instead. It _____ (to keep) me healthy, active, and smart.

My sister _____ (to sit) at the table _____ (for/since) fifteen minutes and _____ (to wait) for me to make her breakfast, but I can't do it. I am not in the mood of doing anything for her. My sister has never prepared breakfast for herself; and I _____ (not like) it. She must know her responsibility and stop being dependent on me, because

she _____ (to grow) up now and she _____ (to need) to learn how to do small things like this.

Q3. Identify the subject in each sentence and name the type of sentences: (5M)

1. Please let me work.
2. The boys make a noise.
3. Stand up.
4. What a clever girl you are!
5. Where do you live?
6. What a horrible sight it was!
7. My father is a bank employee
8. Children like sweets.
9. Who is at the door?
10. Don't make a noise.

Q4. Using Nouns in Sentences. Fill in each blank with a noun (3M)

1. The trip to _____ will take two _____.
2. My teacher, _____, has redecorated her _____.
3. Bob rode to school on a _____.
4. I gave my _____ a _____ for her birthday.
5. Many _____ are grown in our _____.
6. Tonight we are going to the _____.

HINDI

प्रश्न 1 अपठितगद्यांशकोपढकरप्रश्नोंकेउत्तरदीजिए-

संस्कृति का सामान्य अर्थ है, मानव जीवन के दैनिक आचार- व्यवहार, रहन-सहन तथा क्रिया-कलाप आदि । वास्तव में संस्कृति का निर्माण एक लंबी परम्परा के बाद होता है। संस्कृति विचार व आचरण के वे नियम और मूल्य हैं जिन्हें कोई अपने अतीत से प्राप्त करता है। इसलिए कहा जाता है कि इसे हम अतीत से अपनी विरासत के रूप में प्राप्त करते हैं। दूसरे शब्दों में कहें तो संस्कृति एक विशिष्ट जीवन-शैली का नाम है। यह एक सामाजिक विरासत है जो परंपरा से चली आ रही होती है। प्रायः सभ्यता और संस्कृति को एक ही मान लिया जाता है, परंतु इनमें भेद हैं। सभ्यता में मनुष्य के जीवन का भौतिक पक्ष प्रधान है अर्थात् सभ्यता का अनुमान

भौतिक सुख-सुविधाओं से लगाया जा सकता है। इसके लिए विपरीत संस्कृति को आत्मा माना जा सकता है। इसलिए इन दोनों को अलग-अलग करके नहीं देखा जा सकता। वास्तव में दोनों एक-दूसरे के पूरक हैं। इनका विकास भी साथ-साथ होता है। अंतर केवल इतना है कि सभ्यता समय के बाद बदलती रहती है, किंतु संस्कृति शाश्वत रहती है।

ऊपर लिखे हुए गद्यांश को पढ़कर निम्नलिखित प्रश्नों के उत्तर दीजिए:

(क) संस्कृति का क्या अर्थ है ?

(ख) संस्कृति को विरासत का स्वरूप क्यों कहा जाता है?

(ग) सभ्यता और संस्कृति में क्या भेद है?

(घ) सभ्यता और संस्कृति का क्या अर्थ है?

(ङ) गद्यांश को उचित शीर्षक दीजिए ।

प्रश्न 2. दिए गए मुहावरों को शुद्ध करके उन्हें दुबारा लिखिए एवं अर्थ लिखकर वाक्य में प्रयोग कीजिए।

1. सिर धोना _____

2. दाँत पक्के करना _____

3. नौ दो बारह होना _____

4. आँखों में धूल फेंकना _____

5. नाक में तंग करना _____

6. दाल में कुछ नीला _____

7. पीठ में चूहे कूदना _____

8. फूला न सँभालना _____

प्रश्न- 3 दिए गए चित्र को ध्यान से देखिए 50 से 60 शब्दों में चित्र वर्णन कीजिए।



MATHS

- Q1. The sum of two integers is -15 . If one number is 9 find the other number.
- Q2. Write all the integers between -15 and 15 which are divisible by 2 and 3.
- Q3. Subtract 502 from sum of 153 and -102.
- Q4. The difference between two temperature of 43 degree celsius and -17 degree celsius is_____.
- Q5. Jack divided -350 and -7 what was quotient?
- Q6. Find the mean of first seven prime numbers.
- Q7. Find mean median and mode of the scores 4, 5, 6, 7, 7, 8, 9, 13, 12, 8, 8, 9, 8, 10.
- Q8. The marks obtained by a group of students in a maths test are 85, 76, 90, 85, 39, 95, 81. Find
- 1) Highest and lowest marks obtained by students.
 - 2) Range of the marks obtained.
 - 3) Mean marks obtained by group.
- Q9. Subtract the sum of $-5/6$ and $-13/5$ from the sum $2\frac{2}{3}$ and $-62/5$.
- Q10. Simplify:-
 $(\frac{3}{7} \times -\frac{5}{8}) \div (\frac{1}{3} \times \frac{5}{6}) + (-\frac{1}{2} - \frac{1}{5})$
- Q11. A carton contains 16 boxes of nails and each box weight is $\frac{12}{5}$ kg. How much would a carton of nails weight ?
- Q12. Convert $\frac{28}{5}$ into a decimal.
- Q13. The temperature of a city is 4 degree celsius . Next day the temperature falls by 5 degree celsius . what is the temperature of city next day?
- Q14. A Driver descends 20 feet in the water from the boat at the surface of a lake. He then rose 12 feet and descends another 18 feet. At this point what is his depth in water.
- Q15. Find the median of first 8 even natural numbers.

SST

- Q1. List some of the technological changes associated with medieval period.
- Q2. Who were the parties involved in the “tripartite struggle”?
- Q3. What were the qualification necessary to become a member of a committee of the sabha in the Cholaempire?
- Q4. How did the Rashtrakutas became powerful?
- Q5. How were the affairs of Jatis regulated?

- Q6. What is an eco system?
- Q7. Man Modifies his environment. Give reason.
- Q8. Plant and Animals depend on each other. Give reason.
- Q9. What is biosphere?
- Q10. Which are the major components of the environment.
- Q11. In a democracy why is universal adult franchise important?
- Q12. What do you understand by the term “ all persons are equal before the law”? Why do you think it is important in a democracy?
- Q13. Write a detail note on Article 15.
- Q14. What is Civil Rights Movements?
- Q15. What is Mid day meal scheme?

SCIENCE

(TO BE DONE ON SCIENCE CLASS NOTEBOOK)

1. Which organ in the cow's digestive system differentiate it from that of human beings? (1)
2. How do vegetables and fruits keep the digestive system clean? (1)
3. Name the following.(4)
 - (a) It digests carbohydrates, proteins and fats in the small intestine.
 - (b) It transports the nutrients from the undigested food to every cell of the body.
 - (c) It breaks down starch into sugar in the mouth.
 - (d) It produces bile juice.
 - (e) It secretes pepsin.
 - (f) They are building blocks of proteins.
 - (g) It protects the lining of the stomach.
 - (h) It secretes pancreatic juice.
4. Explain the mechanism of trapping insects in Venus flytrap?(2)
5. Where does the silk fiber come from? Name the most common silk moth.(2)
6. From which breed of sheep the coarse wool is obtained from? Which states of India this breed is found?(2)
7. How farmer is benefited from symbiotic relationship between rhizobium bacteria and legumes?(2)
8. Can we say that the insectivorous plants are partial heterotrophs? Explain.(3)
9. Define cells, cell membrane, nucleus and cytoplasm.(3)
10. Can we imagine life on earth in the absence of photosynthesis? (5)

COMPUTER SCIENCE

In your Computer Science notebooks, attempt the following:

Q1. Convert from Binary to Decimal:

- a) 1011
- b) 10010111

Q2. Convert from Octal to Decimal:

- a) 311
- b) 500

Q3. Convert from Hexadecimal to Decimal:

- a) 2A5
- b) 1FF

Q4. Convert from Decimal to Binary:

- a) 56
- b) 515

Q5. Convert from Decimal to Hexadecimal:

- a) 330
- b) 22

Q6. Convert from Decimal to Octal:

- a) 6484
- b) 2568

Q7. What is a Rootkit virus and an Alabama Virus?

Q8. What are the three main sources of viruses?

Q9. Write two Features of an antivirus? Name any popular antivirus software.

SANSKRIT

1.समय ज्ञानम् | 10

2.संख्या १-५० पर्यन्तम् | 10

3.प्रथम एवं द्वितया पाठे दत्वा शब्दार्थं लेखनं स्मरणं च | 5



ARMY PUBLIC SCHOOL RATNUCHAK
MULTIPLE ASSESSMENT
SESSION 2023-24
CLASS VIII

ENGLISH

Q1. Read the sentence and identify the type of sentence. (5M)

1. How would you like your coffee?
2. I love reading storybooks.
3. Never tell lies.
4. The Earth revolves around the Sun.
5. Alas! We lost the trophy.
6. Hurray! We won the competition.
7. Asia is the largest continent.
8. Always respect your elders.
9. Do you know where Peter lives?
10. Get out of the classroom.

Q2. Fill in the blanks with the correct form (PRESENT TENSE) with verbs given in the bracket (5M)

1. Susan..... for three hours. Now she needs some rest, (work)
2. In India, people different festivals throughout the year, (celebrate)
3. John..... some important issue with Jennie. Let us not disturb him. (discuss)-
4. All the planets in the solar system..... around the Sun. (revolve)
5. Sam to Zarun on phone for forty-five minutes, (talk)

Q3. Identify the verbs in the following sentences and find out if they are transitive verbs or intransitive verbs. (10M)

1. Dave bought a new bicycle.
2. Firoz laughed so hard.
3. The children passed the books around.
4. I studied in California.
5. Can you bring me some mangoes?
6. Jack came home in the evening.
7. Eliza found the kittens in the corner of the street.
8. Roshan met his best friend at the park.
9. The car stopped suddenly, in the middle of the road.

.....
.....
.....
.....
.....
.....
.....

प्रश्न

2

-

निम्नलिखित गद्यांश पढ़कर प्रश्नों के लिए सही उत्तर लिखिए तथा इस गद्यांश में आए संज्ञा शब्दों को रेखांकित करके उसके भेदों के नाम भी लिखिए-

अभ्यास के बिना जीवन में सफलता नहीं मिलती। पहली बार प्रत्येक कार्य कुछ कठिन लगता है। यदि व्यक्ति उस कार्य को कठिन समझकर बैठ जाता है तो उसे कभी भी नहीं कर सकता। अमेरिका के राष्ट्रपति ने अभ्यासक्रम नहीं छोड़ा और एक दिन राष्ट्रपति पद प्राप्त कर लिया। यदि हम अभ्यास करना छोड़ देंगे तो सफलता हमें छोड़ देगी। मोहम्मद गौरी ने पृथ्वीराज चौहान पर विजय पाने के लिए सात बार प्रयत्न किया और अंत में सफल हो गया। निरंतर अभ्यास एक ऐसी कुंजी है, जो मनुष्य के लिए सफलता के द्वार खोल देती है। अभ्यास से विद्या अमृत बन जाती है तो बिना अभ्यास के विद्या विषकारूप धारण कर लेती है। जो मनुष्य अभ्यास नहीं करता उसे पास विद्या अधिक समय तक नहीं टिकती है। बहुत बड़ा गणित ज़भी यदि अभ्यास छोड़ देगा तो गणित उसे छोड़ देगा। खिलाड़ी यदि खेल का अभ्यास नहीं करेगा तो कभी भी कीर्तिमान स्थापित नहीं कर पाएगा। अभ्यास अवश्य करना चाहिए।

1. कठिन कार्य कैसे सरल हो जाता है?

.....

2. सफलता साथ कब छोड़ देती है?

.....

3. मोहम्मद गौरी ने पृथ्वीराज चौहान पर विजय पाने के लिए कितनी बार प्रयत्न किए?

.....

4. जो मनुष्य अभ्यास नहीं करता उसे पास क्या नहीं दिखती है?

.....

5. जो मनुष्य अभ्यास नहीं करता उसे पास क्या नहीं दिखती है?

.....

ख. अनुच्छेदमेंदिएगएसंज्ञाशब्द-

व्यक्तिवाचक.....

.....

जातिवाचक.....

.....

भाववाचक.....

.....

प्रश्न-

नीचेबहुतसेशब्ददिएगएहैं,इनशब्दोंकोध्यानसेपढ़िएऔरदीर्घतालिकामेंउचितस्थानपरभरिए-
(5 अंक)

बुरा, उचित, पांचदर्जन, अनुचित, अच्छा, दोकिलोचालाक, यहखिड़की, ईमानदार, सरल, नम्र, विनम्र, बुद्धिमानी, झूठा, सच्चा, दानी, पापी, दुष्ट, सीधा, शान्त, दुबला, पतला, एककिलो, हल्का, गरीब, उद्यमी, पालतू, स्वस्थ, रोगी, आदि। पांच हाँथ जगह, चार गजकपड़ा, मोटा, तीनसेरघी, गोल, चौकोर, चारमीटर, सुडौल, समान, पीला, सुन्दर, नुकीला, ऊँचा, लम्बा, चौड़ा, सीधा, तिरछा, बड़ा, छोटा, चपटा, पाव, पौन, सवा, ढेढ़, तीनलीटर, हरा, दोदर्जन, नीला, काला, सबधन, बहुतदूध, पूराआनंद, बहुतपानी, सफेद, बैंगनी, सुनहरा, धुँधला, चमकीला, फीका आदि। हर-एक, प्रत्येक, दो-दो, तीन-तीन, सवा-सवा, सबधन, बहुतदूध, पूराआनंद, बहुतपानी, आधुनिक, नया, पुराना, ताजा, ताजी, बासी, वार्षिक, मासिक, भूत, वर्तमान, भविष्य, नवीन, प्राचीन, अगला, पिछला, मौसमी, आगामी, टिकाऊ, एक, तीन, बीस, अस्सीभारी, पिघला, गाढ़ा, सूखा, घना, कमजोर, कैसाघर, उतनाकाम, ऐसाआदमी, जैसादेश, दुगुना, उनकेलिए, तिगुना, चौगुना, चौरस, वेलड़के, बाहरी, सतही, उपरी, पछियाँ, पूरबी, बायाँ, दायाँ, क्षेत्रीय, पहाड़ी, उसकामकान, ग्रामीण, स्थानीय, देशीय, विदेशी, असमी, बंगाली, आदि।

गुणवाचकविशेषण.....

.....

.....
.....

ख.संख्यावाचकविशेषण-

.....
.....
.....
.....

ग.परिमाणवाचकविशेषण-

.....
.....
.....

घ. सार्वनामिकविशेषण-

.....
.....
.....

प्रश्न-4



दिए गए चित्र का निर्धारण करते हुए मुहावरों को पहचान कर लिखिए तथा उनका वाक्य प्रयोग कीजिए-

.....
.....
.....
.....
.....
.....

MATHS

Q1. By what rational number should $22/7$ be divided, to get the number $-11/24$?

Q2. One sixth of the students of a class joined the sports club. Three fifth of these students opted to play table tennis. If 6 students play table tennis, how many students are there in the class?

Q3. Find using commutativity and associativity: $\frac{3}{7} + \left(\frac{-6}{11}\right) + \left(\frac{-8}{21}\right) + \frac{5}{22}$

Q4. Represent the following rational numbers on the number line.

(i) $3/10$ (ii) $8/7$ (iii) $21/7$

Q5. What is the additive inverse of $3/5$?

Q6. Find the for x in $4(2x - 3) + 5(3x - 4) = 14$.

Q7. The sum of three consecutive multiples of 7 is 63. Find these multiples

Q8. Give a rational number which when added to it gives the same number.

Q9. If you subtract $1/8$ from a number and multiply the result by $1/4$, you get $1/16$.

What is the number?

Q10. What should be added to twice the rational number $\frac{-7}{3}$ to get $\frac{3}{7}$?

Q11. What should be subtracted from thrice the rational number $-8/3$ to get $5/2$?

Q12. Present ages of Rahul and Suresh are in the ratio 4:5. Eight years from now the ratio of their ages will be 5:6. Find their present ages.

Q13. The digits of a two-digit number differ by 3. If the digits are interchanged, and the resulting number is added to the original number, we get 143. What can be the original number?

Q14. The present age of Sahil's mother is three times the present age of Sahil. After 5 years

their ages will add to 66 years. Find their present ages.

Q15. The denominator of a rational number is greater than its numerator by 5. If the numerator is increased by 12 and denominator decreased by 3, the obtained rational number is $5/3$. Find the number.

SST

1. Define Archives. When the National Archives of India came up?

2. What is Colonialisation?

3. Are official documents or record discriminative?

4. How did the official documents help us to understand the people?
5. In Nepal, when did the interim constitution come into effect?
6. What is democracy?
7. Classify the resources on the basis of origin? .
8. Define the following:
 - a) Natural resources
 - b) Sustainable development
9. How does the the Indian constitution protect minority rights ?
10. Explain Right against Exploitation.
11. Give a brief of the making of Indian constitution.
12. Briefly describe the different type of renewable resources why do we need them?
13. Why do many historians refers to modern period as colonial?
14. Write a short note on the significance of time and technology in making a substance a resource.
15. Write a short on the Battle of Plassey

SCIENCE

(TO BE DONE IN YOUR SCIENCE CLASS NOTEBOOK)

I. Fill in the blanks given below : 5 marks

1. Cutting of crop after it is mature is called as _____.
2. Undesirable plants grown in a field are known as _____.
3. Milk is converted into Curd with the help of _____.
4. Smallpox is caused by _____.
5. Cyanobacteria fix _____ directly from air to enhance fertility of soil.

II. Match the names of scientists given in Column A with the discovery made by them given in Column B. 5 marks

- | Column A | – | Column B |
|-------------------------|---|------------------------|
| (a) Louis Pasteur – | | (i) Penicillin |
| (b) Robert Koch – | | (ii) anthrax bacterium |
| (c) Edward Jenner – | | (iii) Fermentation |
| (d) Alexander Fleming – | | (iv) smallpox vaccine. |

III. Mark the following statements as true (T) or false (F): 5 marks

1. Fresh crops have less moisture.
2. A seed drill is used to uproot weeds.
3. “Combine” is in fact a combined harvester and thresher.
4. Polio drops given to children are actually a vaccine.
5. Housefly is the common carrier of communicable diseases

IV. Give reasons for the following. (5 marks)

1. Since only a few centimeters of the top layer of soil supports plant growth.why?
2. Raw vegetables and fruits are kept in refrigerators whereas jams and pickles can be kept outside.
- 3.Farmers prefer to grow beans and peas in nitrogen-deficient soils.
4. Fresh milk is boiled before consumption while processed milk stored in packets can be consumed without boiling.
5. Before storing the harvested grains are properly dried in the sun to reduce the moisture in them.why?

V Classify the following into friendly and harmful microorganisms.(one mark)

Yeast, malarial parasite, Lactobacillus, bread mould, Rhizobium, Bacillus anthracis

VI . Discuss the various Rabi and Kharif crops of our UT J&K. 2 marks.

VII . Write a short note on various communicable diseases? 2 marks.

COMPUTER SCIENCE

Attempt the following in your Computer Science notebooks (25 marks):

1. The 4 main components of computer communication are _____, _____, _____ and _____.
2. Internet is an example of a _____ Area Network.
3. Communication channel is a _____ on which data/information/instructions can travel.
4. Network Architecture is mainly categorized into two types _____ network and _____ network.
5. Write the full forms of:
 - a. TCP/IP
 - b. IMAP
6. What are the two views in which you can create a table?
7. Full form of RDBMS-
8. Access is a RDBMS used to _____, _____ and _____ data in form of multiple tables.
9. What are the two conditions for a field to be a primary key?
- 10.To ensure that a field meets certain criteria or rules when entering data, we use _____ property of the field.
- 11.Shortcut to save a database object is Ctrl + _____
- 12.In a “Date of Birth” field, the data type we can use will be _____.
- 13.In design view, the three things we have to specify about each field are- _____, _____ and _____.

14. As per Page 22 of your book, the Dance Class Database has Students_Detail table.
How many **fields** and how many **records** are present in this table?

SANSKRIT

1. कतिउपसर्गाः सन्ति | 10

2. स्वपरिचय लेखनम् | 10

3. प्रथम एवं द्वितया पाठे दत्त्वा शब्दार्थं लेखनं स्मरणं च | 5



ARMY PUBLIC SCHOOL RATNUCHAK
MULTIPLE ASSESSMENT
SESSION 2023-24
CLASS IX

ENGLISH

Q1. Fill in the correct form of the verb – All tenses -

10M

1. They _____ in Chicago for 20 years (be).
2. I _____ a wonderful film in the cinema last night. (see)
3. The sun _____ at 6:38 yesterday morning (rise)
4. The sun _____ when the climber reached Mount Everest. (shine)
5. I promise that I _____ this secret to anyone (not tell)
6. Unfortunately, just as we got to the airport their plane _____ off (take).
7. They _____ to the movies only once in a while (go)
8. I was tired yesterday because I _____ well the night before (not sleep).
9. Sh! Someone _____ to our conversation (listen)!
10. When I left the house this morning, it _____ (already rain)

Q2. Reported speech is a way of telling what someone said without using their exact words. Choose one suitable answer from the given reported speech.

10M

1. Nancy said, “I may leave tomorrow.”

- A. Nancy said that she might leave the next day.
- B. Nancy said that she might leave tomorrow.
- C. Nancy asked if she should leave the next day.
- D. Nancy informed me to leave tomorrow.

2. Vidushi said, “We went for a summer trip.”

- A. Vidushi said that they went for a summer trip.
- B. Vidushi said that they were on a summer trip.
- C. Vidushi said that they had gone for a summer trip.
- D. Vidushi said they went for a summer trip.

3. The guard asked, “Who are you?”

- A. The guard asked who he was.
- B. The guard asked me who he was.
- C. The guard asks me who he was.
- D. The guard asked who I was.

4. She said, “Bring a glass of water, please.”

- A. She commands me to bring a glass of water.
- B. She requested me to bring a glass of water.
- C. She asked me to brought a glass of water.
- D. She ordered me to bring her a glass of water.

5. The salesman said, “Are you interested in the scheme?”

- A. The salesman said that if I was interested in the scheme.
- B. The salesman said that if I were interested in the scheme.
- C. The salesman asks if I am interested in the scheme.
- D. The salesman asked me if I was interested in the scheme.

6. “Alas! It can’t be this bad.” He said.

- A. He exclaimed with sorrow that that couldn’t be that bad.
- B. He grieved that it couldn’t be that bad.
- C. He said that it was really that bad.
- D. He said with sorrow that that was bad.

7. The teacher said, “The wind is a renewable energy source.”

- A. The teacher said that the wind was a renewable energy source.
- B. The teacher said that the wind is a renewable energy source.
- C. The teacher told that the wind is a renewable energy source.
- D. The teacher tells that the wind was a renewable energy source.

8. The policeman said, “Don’t cross the speed limit.”

- A. The policeman said not to cross the speed limit.
- B. The policeman asked if I would cross the speed limit.

C. The policeman forbade me to cross the speed limit.

D. The policeman asks if I had crossed the speed limit.

9. The student said, “Ma’am, please extend the deadline.”

A. The student asked the teacher to extend the deadline.

B. The student said if the teacher would extend the deadline.

C. The student requested ma’am to extend the deadline.

D. The student said that ma’am should extend the deadline.

10. Tim said, “I may teach you if you will show sincerity.”

A. Tim said that he might teach me if I would show sincerity.

B. Tim said that he may teach me at a condition.

C. Tim said that he could teach me had I shown sincerity.

D. Tim said that he will teach me if I was to show sincerity.

Q3. Read the passage given below and answer the questions that follow. 5M

What exercise is to the body, reading is to the mind. There are different purposes of reading. One of them is deriving pleasure. Children reading for their pleasure rarely stop to ask about the words. They want to get on with the story. If the word is important, they can usually make a good guess about what it is. “He drew an arrow from his quiver”. Easy to see that a quiver is some sort of gadget to put arrows in. More complicated words they figure out by meeting them in different contexts. People learn to read well and get good vocabulary, from books, not work books or dictionaries. As a kid I read years ahead of my age, but I never looked up words in dictionaries, and didn’t even have a dictionary. In my lifetime I don’t believe I have looked even as many as fifty words – neither have most good readers. Most people don’t know how dictionaries are made. Each new dictionary starts from scratch. The company making the dictionary employs thousands of ‘editors’, to each of whom they give a list of words. The job of the editor is to collect as many examples as possible of the ways in which these words are actually used. They look for the words in books, newspapers, and so forth and every time they find one, they cut out or copy that particular example. Then after reading these examples they decide ‘from the context’ what the writer in each case had meant by the words. From these they make definitions. A dictionary in other words, is a collection of people’s opinions about what words mean as other people use them.

Q (i). How do children find out meanings when they are reading for pleasure?

Q (ii). Does the passage suggest that a dictionary is essential for a good vocabulary? Why or why not?

Q (iii). Write any one step in the process of making a dictionary.

Q (iv). Define a dictionary in your own words.

Q (v). Find the phrase in the passage which means 'calculate/think about until one understands.'

HINDI

प्रश्न 1 अपठित काव्यांश को पढ़के निचे लिखे प्रश्नों के उत्तर लिखे

सुख-दुख मुस्काना नीरज से रहना,

वीरों की माता हूँ वीरों की बहना।

मैं वीर नारी हूँ साहस की बेटी,

मातृभूमि-रक्षा को

वीर सजा देती।

आकुल अंतर की पीर राष्ट्र हेतु सहना,

वीरों की माता हूँ वीरों की बहना।

मातृ-भूमि जन्म-भूमि

राष्ट्र-भूमि मेरी,

कोटि-कोटि वीर पूत

द्वार-द्वार दे री।

जीवन-भर मुस्काए भारत का अँगना,

वीरों की माता हूँ वीरों की बहना।

1- सुख दुख में मुस्कुराते हुए कैसे रहना चाहिए

2- आकुल अंतर की पीड़ा किसके लिए सहनी चाहिए

3- मातृभूमि जन्मभूमि..... मेरी। उपयुक्त शब्द खाली स्थान में भरिए

(क) देवभूमि

(ख) गांव भूमि

(ग) शहर भूमि

(घ) राष्ट्रभूमि

4-जीवन भर भारत का अंगना कैसे मुस्कुरा सकता है?

5- जननी और पीड़ा के 2-2 पर्यायवाची लिखे-

प्रश्न 2) दिए गए अशुद्ध शब्दों को शुद्ध करके लिखें और उनसे एक-एक वाक्य बनाये-

क) आर्षीवाद _____

ख) महातावपूर्ण _____

ग) कवियातरी _____

घ) परतेकवरष _____

ड) विधाल्य _____

च) अन्तरगत _____

छ) प्रियावरण

ज) छातरवास

प्रश्न 3 दिए गए उपसर्ग से तीन-तीन शब्द बनाये

उप

अन

गैर

ला

कु

निर

वि

आ

प्रश्न 4)दिए गए प्रत्यय से तीन-तीन शब्द बनाये

आकु

इयल

आनी

इक

आपा

दार

इत

इन

आई



प्रश्न 5 चित्र को ध्यान से देखकर 100-120 शब्दों में वर्णन कीजिए व इस चित्र में हुई क्रियाओं को लिखिए।

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

MATHS

Q1. Find four rational numbers between $-\frac{2}{3}$ and $\frac{1}{4}$.

Q2. Express $0.2\overline{35}$ in form $\frac{p}{q}$ where p and q are integers and $q \neq 0$.

Q4. Represent $\sqrt{11.5}$ on number line.

Q5. Rationalise the denominator and simplify $\frac{\sqrt{6}-\sqrt{5}}{\sqrt{5}-\sqrt{6}}$

Q6. If both a and b are rational numbers, find the values of a and b in $\frac{\sqrt{3}-1}{\sqrt{3}+1} = a - b\sqrt{3}$.

Q7. Divide $p(x)$ by $g(x)$, where $p(x) = x + 3x^2 - 1$ and $g(x) = 1 + x$ and find the remainder.

Q8. Find the value of k , if $x - 3$ is a factor of $k^2x^3 - kx^2 + 3kx - k$.

Q9. Simplify $(2x + p - c)^2 - (2x - p + c)^2$

Q10. If $x = 2 + \sqrt{3}$, find the value of $x^2 + \frac{1}{x^2}$.

SST

- 1) What is the name of the southernmost point of India? Why is it not visible today?
- 2) Why is India called a subcontinent?
- 3) What is latitude? What is the latitudinal extent of India?
- 4) Who was Robespierre? Why is his reign referred as the 'Reign of Terror'?
- 5) Write some of the main features of the French Constitution of 1791.
- 6) How does democracy improve the quality of decision making?
- 7) Mention the main features of the Green Revolution.
- 8) What do you mean by physical capital? What are the items that come under physical capital?

SCIENCE

(TO BE DONE IN YOUR SCIENCE CLASS NOTEBOOK)

BIOLOGY (FUNDAMENTAL UNIT OF LIFE)

Q1.a) What is a cell? Why is a cell called the structural and functional unit of life?

b) Why is the plasma membrane called a selectively permeable membrane?

Q2. Draw and write down the main functions of each of the following components?

a) Plasma membrane b) Mitochondria c) Nucleus d) Ribosomes e) Golgi bodies

Q3. If cells of onion peel and RBC are separately kept in hypotonic solution, what among the following will take place? Explain the reason for your answer.

(a) Both the cells will swell.

(b) RBC will burst easily while cells of onion peel will resist the bursting to some extent.

(c) a and b both are correct.

(d) RBC and onion peel cells will behave similarly ?

- Q4. a) What is endoplasmic reticulum?
b) Describe its structure.
c) Name the two types of endoplasmic reticulum.
d) What crucial role does it play in the liver cells of vertebrates?
e) What is membrane biogenesis?

Q5. Illustrate a plant cell as seen under electron microscope. How is it different from animal cell?

PHYSICS (MOTION)

Q6. Draw a displacement- time graph for a body moving with uniform velocity?

Q7. Identify the kind of motion in the following cases:

- a) A car moving with constant speed turning around a curve.
b) An electron orbiting around nucleus.
c) What do you understand by mass of a body?
d) Is mass a scalar or vector? State its SI units.

Q8. Define acceleration and give its SI unit. When is acceleration of a body negative? Give two examples of situations in which acceleration of the body is negative.

Q9. Distinguish between uniform motion and non, uniform motion. Is uniformly accelerated motion uniform motion? Give one example each of uniform and non-uniform motion.

CHEMISTRY (MATTER IN OUR SURROUNDINGS).

Q10. Compare in tabular form the properties of solids, liquids and gases with respect to

- i) Shape ii) Volume iii) Compressibility
iv) Diffusion v) Fluidity or rigidity

Q11. Why evaporation is called surface phenomenon?

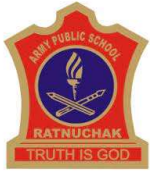
Q12. Name the SI unit of measuring temperature.

Q13. The boiling point of water is 100°C under atmospheric pressure. Convert this temperature in SI units.

- a) What temperature in kelvin scale is equal to 50 °C?
b) Describe an activity to show that rate of evaporation increases with surface area. c) State two differences between evaporation and boiling.

Q14. Ice, water and steam are three states of a substance and not different substances. Justify?

Q15. With the help of a labelled diagram, describe in brief an activity to show sublimation of ammonium chloride?



ARMY PUBLIC SCHOOL RATNUCHAK
MULTIPLE ASSESSMENT
SESSION 2023-24
CLASS X

ENGLISH

Attempt all the following questions. (12)

i. Fill in the blank by choosing the correct option to complete the sentence.

If only he _____ us truth in the first place, things would not have gone wrong.

- (a) has told
- (b) would have told
- (c) had told
- (d) should have told

ii. Read the conversation between Prateek and Raghav. and complete the narration that follows.

Prateek: I don't feel well today.

Raghav: What can I help you, Sir?

Prateek: Can you take me to the doctor?

Raghav: Yes, Sir.

Prateek told Raghav that he did not feel well that day. Raghav asked respectfully what he could help him.

Prateek asked Raghav _____. Prateek replied in the affirmative.

iii. Select the correct option to fill in the blank for the given line.

If I dyed my hair green, everybody _____ laugh at me.

- (a) would
- (b) should
- (c) may
- (d) can

iv. Select the option identifies the error and supplies the correction for the following line:

As far as climate change is concerned, South Asia is one of a world's most sensitive areas.

Option No. Error Correction

- (a) change changes
- (b) is was
- (c) most many
- (d) a the

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

As he was crossing the road, a car _____ him down.

- (a) was knocking
- (b) had knocked
- (c) knocked
- (d) would have knocked

vi. Fill in the blank by using the correct form of the word in the bracket.

The woman in the pool _____ (swim) well.

vii. Report the dialogue between Mannu and Annu, by completing the narration:

Mannu: Where are you going to?

Annu: I am going to the market. Do you want anything?

Mannu asked Annu where she was going. Annu replied that she was going to the market and she further asked _____.

viii. Identify the error in the given sentence and supply the correction.

I met her by chance then I gone to get some Medicine which Sister Amy used to give.
Use the given format for your response.

Error	Correction

ix. Transform the following direct speech into reported speech:

I said to him, "Where have you lost the pen I brought for you yesterday ?

x. Fill in the blank by choosing the correct option, to complete the sentence.

I remember my promise. I _____ help you in the hour of your need.

- (a) can
- (b) would
- (c) will
- (d) might

xi. Select the correct option to complete the narration of the dialogue between a teacher and a student.

Biology Teacher : I instructed you to draw the diagram of bacteria. Why did you submit a blank sheet?

Sameer : Sir, I had drawn the diagram of bacteria, but you can't see it because it is not visible to the naked eye.

The biology teacher had instructed Sameer to draw the diagram of a bacterial cell and asked him why he had submitted a blank sheet. Sameer respectfully answered that he had drawn the diagram but _____

- (a) he can't see it because it is not visible to the naked eye.
- (b) he couldn't see it because it is not visible to the naked eye.
- (c) he could see it because it is visible to the naked eye.
- (d) he could not be seen it because it is not visible to the naked eye.

xii. Identify the error in the given sentence and supply the correction.

There are a little countries in the world where the population is not growing fast.

Use the given format for your response.

Error	Correction

XIII. CLOZE PASSAGE 1

(5)

The United Kingdom1..... the first country in the world to allow scientists to create human-animal embryos for research purposes. The research2..... transferring nuclei

containing DNA from human cells to animal eggs that3..... nearly all their genetic information removed. The resulting embryos4....., therefore, mostly human, with a small animal component. Stem cells, which5..... grow into different kinds of tissue, are then6..... from these embryos. The embryos could give researchers a large supply of stem cells to work with. Scientists have, until now,7..... on human eggs left over from fertility treatment, which8..... in short supply and often of poor quality.

1. (a) became; (b) has become; (c) have become; (d) become

2. (a) involve; (b) involves; (c) is involving; (d) has involved

3. (a) have; (b) are; (c) have had (d) had

4. (a) is; (b) are; (c) have; (d) have been

5. (a) may; (b) will; (c) can; (d) could

6. (a) harvesting; (b) harvested; (c) harvest; (d) harvests

7. (a) rely; (b) relies; (c) relied; (d) relying

8. (a) are; (b) is; (c) have; (d) has

XIV. CLOZE PASSAGE 2

(5)

Scientists1..... a planet2..... in theory can support life. The planet isn't3..... our solar system. It4..... a star called Gliese 581,5..... is about 116 trillion miles6..... Earth. Astronomers have found extra solar planets in the past7....., but none seemed habitable.8..... are giant balls of gas. Many are9..... close to their fiery stars that water on them would boil away;10..... are so distant that water would freeze.

a) discovered; b) have discovered; c) are discovering; d) had discovered

a) who; b) what; c) that; d) whom

a) on; b) in; c) at; d) from

a) orbit; b) orbits; c) is orbits; d) has orbited

a) that; b) who; c) which; d) what

a) in; b) at; c) from; d) off

a) as well as; b) also; c) too; d) besides

a) most; b) most of; c) most of the; d) much

a) so; b) too; c)very; d) much

a) other; b) others; c) another; d) anothers

XV. Read the piece of conversation given below and fill in the blanks.

(3)

Chiki: Have you bought a birthday gift for Pooja?

Miki: Yes, but I don't know when and how to give it.

Chiki: Hello, I don't get you.

Miki: I mean, I am new to such functions.

Chiki asked Miki(a)..... Miki(b)..... A surprised Chiki commented(c)..... Miki defended him by saying(d).....

HINDI

प्रश्न 1 दिए गए दोनों विषयों पर 150 से 200 शब्दों में अनुच्छेद लिखिए।

महंगाई पर अनुच्छेद लेखन

1. कमरतोड़ महंगाई संकेत बिंदु:

- महंगाई का स्वरूप
- महंगाई कहाँ-कहाँ
- महंगाई पर भारत की आर्थिक नीति का प्रभाव
- महंगाई का कारण हड़ताल व तालाबंदी
- देश के धन का गलत उपयोग
- उपसंहार।

2. मेरे जीवन का लक्ष्य संकेत बिंदु:

- जीवन में लक्ष्य क्यों?
- मेरा लक्ष्य
- कारण
- लक्ष्य प्राप्ति के प्रयास।

प्रश्न-2 विद्यालय में छुट्टी के दिनों में भी प्रातः काल में योग की अभ्यास कक्षाएँ चलने की सूचना देते हुए इच्छुक विद्यार्थियों द्वारा अपना नाम देने हेतु सूचना-पट्ट के लिए एक सूचना लगभग 30 शब्दों में लिखिए।

MATHS

Q1. Show that any numbers of the form 4^n , $n \in \mathbb{N}$ can never end with the digit 0.

Q2. Show that $\sqrt{5}$ is an irrational number.

Q3. The LCM of two numbers is 14 times their HCF, The sum of LCM & HCF is 600. If one number is 280, then find the other number.

Q4. If \sqrt{PQ} is an irrational number, prove that $\sqrt{P} + \sqrt{Q}$ is irrational.

Q5. A motor boat whose speed is 18 km/h in still water takes 1 hour more to go 24 km upstream than to return downstream to the same spot. Find the speed of the stream.

Q6. If $ax^2+bx+c=0$ then show that $x=\frac{-b\pm\sqrt{b^2-4ac}}{2a}$

Q7. Find the zeroes of the quadratic polynomial $x^2 + 7x + 10$, and verify the relationship between the zeroes and the coefficients.

Q8. If the sum of the squares of zeroes of the quadratic polynomial $f(x) = x^2 - 8x + k$ is 40. Find the value of k.

Q9. Indian Army is the third biggest military contingent in the World next to USA and China. However, there are many firsts that make Indian Army stand out in the world, making us all Indians very proud. Knowing them, will help you celebrate Republic day with greater vigour and gratitude.



On 71th republic day Parade in Delhi Captian RS Meel is planing for parade of following two groups:

(a) First group of Army contingent of 624 members behind an army band of 32 members.

(b) Second group of CRPF troops with 468 soldiers behind the 228 members of bikers.

These two groups are to march in the same number of columns. This sequence of soldiers is followed by different states Jhanki which are showing the culture of the respective states.

(i) What is the maximum number of columns in which the army troop can march?

(a) 8

(b) 16

(c) 4

(d) 32

(ii) What is the maximum number of columns in which the CRPF troop can march?

(a) 4

(b) 8

(c) 12

(d) 16

(iii) What is the maximum number of columns in which total army troop and CRPF troop together can march past?

(a) 2

(b) 4

(c) 6

(d) 8

(iv) What should be subtracted with the numbers of CRPF soldiers and the number of bikers so that their maximum number of column is equal to the maximum number of column of army troop?

(a) 4 Soldiers and 4 Bikers

(b) 4 Soldiers and 2 Bikers

(c) 2 Soldiers and 4 Bikers

(d) 2 Soldiers and 2 Bikers

(iv) What should be added with the numbers of CRPF soldiers and the number of bikers so that their maximum number of column is equal to the maximum number of column of

army troop?

- (a) 4 Soldiers and 4 Bikers
- (b) 12 Soldiers and 12 Bikers
- (c) 6 Soldiers and 6 Bikers
- (d) 12 Soldiers and 6 Bikers

Q10. Find two consecutive odd positive integers, sum of whose squares is 290.

Q11. John and Priya went for a small picnic. After having their lunch Priya insisted to travel in a motor boat. The speed of the motor boat was 20 km/hr. Priya being a Mathematics student wanted to know the speed of the current. So she noted the time for upstream and downstream. She found that for covering the distance of 15 km the boat took 1 hour more for upstream than downstream.

(i) Let speed of the stream be x km/hr. then speed of the motorboat in upstream will be

- (a) 20 km/hr
- (b) $(20 + x)$ km/hr
- (c) $(20 - x)$ km/hr
- (d) 2 km/hr

(ii) What is the relation between speed distance and time?

- (a) speed = (distance)/time
- (b) distance = (speed)/time
- (c) time = speed # distance
- (d) none of these

(iii) Which is the correct quadratic equation for the speed of the current ?

- (a) $x^2 + 30x - 200 = 0$
- (b) $x^2 + 20x - 400 = 0$
- (c) $x^2 + 30x - 400 = 0$
- (d) $x^2 - 20x - 400 = 0$

(iv) What is the speed of current ?

- (a) 20 km/hour
- (b) 10 km/hour
- (c) 15 km/hour
- (d) 25 km/hour

(v) How much time boat took in downstream ?

- (a) 90 minute
- (b) 15 minute
- (c) 30 minute
- (d) 45 minute

Q12. Solve the following quadratic equations by factorization: $(x-1)/(2x+1) - (2x+1)/(x-1) = 5/2$, $x \neq -1/2, 1$ by factorization method.

Q13. A pole has to be erected at a point on the boundary of a circular park of diameter 13 metres in such a way that the differences of its distances from two diametrically opposite fixed gates A and B on the boundary is 7 metres. Is it possible to do so? If yes, at what distances from the two gates should the pole be erected?

Q14. Verify that 3, - 1, $-\frac{1}{3}$ are the zeroes of the cubic polynomial $p(x) = 3x^3 - 5x^2 - 11x - 3$, and then

verify the relationship between the zeroes and the coefficients.

Q15. Find the nature of the roots of $3x^2 - 4\sqrt{3}x + 4 = 0$ equation. If the real roots exist, find them.

SST

1. What do you mean by land use pattern? Name the factors that determine the use of land.(2)
2. Give one difference between renewable and non-renewable sources.(2)
3. Why are the lower horizons of the soil occupied by Kankar? (2)
4. How had the female figures become an allegory of the nation during the 19th century in Europe? Analyse.(3)
5. Explain any three beliefs of the conservatism that emerged after 1815.(3)
6. Give three reasons for the civil war in Sri Lanka.(3)
7. Describe horizontal and vertical power sharing in modern democracies.(5)
8. What is HDI? Explain the components of Human Development Index (HDI).

OR

What is Human Development Report? Which organisation measures HDR? Explain the three major indicators of HDR.(5)

SCIENCE

PHYSICS CHAPTER- LIGHT

1. What is the frequency of violet colour of wavelength 4000×10^{-10} m?
2. The radius of curvature of a spherical mirror is 20 cm. Find the focal length
3. A concave mirror produces three times magnified (enlarged) real image of an object placed at 10 cm in front of it. Where is the image located?
4. Light enters from air to glass having refractive index 1.50. The speed of light in vacuum is 3×10^8 m/s. Find the speed of light in the glass.
5. A convex lens forms a real and inverted image of a needle at a distance of 50 cm from it. Where is the needle placed in front of the convex lens if the image is equal to the size of the object?
6. The image formed by a concave mirror is observed to be virtual, erect and larger than the object. Where should be the position of the object?
7. Where should an object be placed in front of a convex lens to get a real image of the size of the object?
8. No matter how far you stand from a mirror, your image appears erect. The mirror is likely to be-.....
9. Which of the following lenses would you prefer to use while reading small letters found in a dictionary?

10. A concave lens of focal length 15 cm forms an image 10 cm from the lens. How far is the object placed from the lens?
11. An object 5.0 cm in length is placed at a distance of 20 cm in front of a convex mirror of radius of curvature 30 cm. The position of the image is-.....
12. An object of size 7.0 cm is placed at 27 cm in front of a concave mirror of focal length 18 cm. At what distance from the mirror should a screen be placed, so that a sharp focussed image can be obtained?
13. The focal length of a lens of power -2 D is-.....
14. The angle between incident ray and reflected ray is 60° . What is the angle of incidence?
15. When an incident ray makes an angle of 40° with a normal to the air glass interface of the rectangular glass slab. The value of angle of emergence is.....
16. The speed of light in a transparent medium is 0.6 times that of its speed in vacuum. The refractive index of the medium is.....
17. An object is placed at a distance of 30 cm from a convex mirror, the magnification produced is $\frac{1}{2}$. Where should the object be placed to get the magnification of $\frac{1}{3}$?
18. In an experiment with a rectangular glass slab, a student observed that a ray of light incident at an angle of 55° with the normal on one face of the slab, after refraction strikes the opposite face of the slab before emerging out into air making an angle of 40° with the normal. What value would you assign to the angle of refraction and angle of emergence?

CHEMICAL REACTIONS AND EQUATIONS

- Q1. A metal nitrate A on heating gives a yellowish brown metal oxide along with a brown gas B and a colorless gas C. Aqueous solution of A on reaction with potassium iodide forms a yellow precipitate of compound D. Identify A, B, C and D.
- Q2. Ferrous sulphate crystals decompose with the evolution of a gas with a characteristic smell of burning sulphur. Write the chemical reaction involved and the type of reaction.
- Q3. A solution of potassium chloride when mixed with silver nitrate solution, an insoluble white substance is formed. Write the type of chemical reaction and the corresponding balanced chemical equation.
- Q4. In a solution of copper sulphate, a strip of metal M was inserted. After some time, the colour of copper sulphate solution faded away. Which metal is more reactive and which one is less? Give equation. Also mention the type of reaction.
- Q5. Name one metal which can displace zinc from its salt solution and one metal which cannot displace zinc from its salt solution.
- Q6. What happens when limestone is heated strongly? What type of reaction is this?

Q7. What happens when an aqueous solution of barium chloride is mixed with an aqueous solution of sodium sulphate? Write the equation also.

Q8. Give an example of a reaction which is both an exothermic and combination reaction.

Q9. Why does milky appearance disappear when carbon dioxide is passed through lime water in excess?

Q10. Suggest any two observations in an activity which may suggest that a chemical reaction has taken place. Give example in support of your answer.

Q11. What is wrong with the following equation- $N_2 + 3H_2 \rightarrow NH_3$

Q12. Solid calcium oxide was taken in a container and water was added to it slowly.

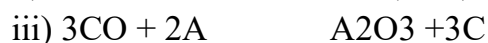
(i) State any two observations made in the experiment.

(ii) Write the name and chemical formula of the product.

Q13. What change will you observe if white silver chloride is placed in sunlight?

Write an equation for the reaction and the type of reaction.

Q14. A, B and C are three elements which undergo chemical reactions according to the following equations



Answer the following questions with reasons

a) Which element is the most reactive?

b) Which element is the least reactive?

c) What is the type of reactions listed above?

Q15. What is a redox reaction? Identify the substance oxidized and substance reduced in the following reactions



Q16. Name two salts that are used for black and white photography. Give reactions when they are exposed to sunlight.

Q17. What happens when an iron nail is put inside copper sulphate solution? Write reaction with observation.

Q18. (a) What do you see when a magnesium ribbon is burnt? Is magnesium oxidized or reduced in the reaction?

(b) Define corrosion.

Q19. A solution of potassium chloride when mixed with silver nitrate solution, an insoluble white substance is formed. Write the chemical reactions involved and also mention the type of reaction.

Q20. A substance X, which is an oxide of a metal, is used extensively in the cement industry. This element is present in bones also. On treatment with water, it forms a mixture which turns red litmus blue. Identify X and also write the chemical reaction involved.

CHAPTER - LIFE PROCESSES

Q1 Give reasons:

- i) Transpiration is useful to plants.
- ii) Stomata in desert plants like cactus remain closed during the day.
- iii) There are other excretory products in plants than O₂ and CO₂.
- iv) Double circulation of blood is necessary in human beings.
- v) Gastric glands play an important role in digestion of food in humans.
- vi) Ventricles have thicker muscular walls.
- vii) More energy is released in aerobic respiration.

Q2 What is the name given to the small pores present on the surface of leaves? Draw their structure also.

Q3 If you take fruit juice in a test tube, add some yeast to it and leave it for a few hours. What changes will you observe? Name the gas evolved. How will you test the gas end product in the test tube?

Q4 Read the given passage and answer the following questions Lung cancer is one of the common causes of death on the world. The upper respiratory tract is provided with small hair like structure called cilia. These cilia help to remove germs dusts and other harmful particles from inhaled air. Smoking destroys these hair due to which germs, dust, smoke and other harmful chemicals enter the lungs and causes infections, cough and even lung cancer.

- a. What is the function of Cilia in upper respiratory tract?
- b. What is inhaled air?
- c. What is the effect of smoking?
- d. What is meant by upper respiratory tract?

Q5 Draw and label cross section of a leaf and mention main site of photosynthesis in the leaf.

Q6 Write function of each of the following and what is common in each pair? a. Glycogen and starch b. Chlorophyll and haemoglobin c. Gills and lungs d. Alveoli and Bowman's capsule.