

KENDRIYA VIDYALAYA RTC ITBP ILLUPPAIKUDI
SUMMER VACATION – HOLIDAY HOME WORK
CLASS – IX

ENGLISH

Activity 1 : Reading skill

Read the following passage and answer the following questions.

SO, YOU WANT TO BE A CARTOONIST?

What writers struggle to express through numerous newspaper columns, the cartoon manages in a pointed one-liner. Little wonder then, that the first thing most of us like to see when we pickup a newspaper is the cartoon. Simple though it may seem, making a cartoon is an art that requires a combination of hard work, training and a good sense of humour. Cartoonists say that the cartoons that make us laugh the most are in fact the cartoons that are hardest to make. Even celebrated cartoonists like R.K.Laxman admit that making a cartoon is not a piece of cake. Laxman says he has to wait for over six hours, which includes spending a lot of time scanning newspapers and television channels before any idea strikes him.

So how does one become a cartoonist? Which of us has the talent to make it? How can we master the rib-tickling strokes and the witty one-liners? How can we make people smile or laugh? There are few colleges or schools for cartoonists. Most cartoonists come from art colleges, while some learn the craft on their own. Most established cartoonists are of the view that no institute can teach you to make a cartoon. "You can pick up the craft, you may learn to sketch and draw in institutes, but no one can teach anyone how to make a good cartoon," says Uday Shanker, a cartoonist with Navbharat Times. While basics, like drawing and sketching can be learnt in an art college, and are important skills, these alone, do not make a good cartoonist. Because it's a question of one's creativity and sense of humour; two qualities one simply may not have. The advice established cartoonists give is that just because you can sketch, don't take it for granted that you will become a cartoonist. Read the questions given below and write the option you consider the most appropriate in your answer sheet.

(a) What, according to Laxman, is the challenge in creating a good cartoon?

- | | |
|---|---|
| (i) waiting for the right thought and television. | (ii) browsing newspapers to emerge. |
| (iii) getting the right kind of skills. | (iv) good drawing and sketching training. |

(b) Which of these words BEST describes this passage?

- | | |
|-------------------|------------------|
| (i) humorous | (ii) technical |
| (iii) challenging | (iv) informative |

(c) Of the many qualities that cartoonists should have, which of the following is not referred to directly but can be inferred from the passage?

- (i) knowledge of current institutions. (ii) knowledge of educational technologies.
(iii) knowledge of news and languages. (iv) knowledge of different current affairs.

(d) According to the passage, which group of people is of the opinion that one cannot learn to make a cartoon in institutions?

- (i) many struggling writers. (ii) highly creative artists.
(iii) well-respected cartoonist. (iv) all newspaper editors.

(e) "Don't take it for granted that you will become a cartoonist." Choose the option that is closest in meaning to the sentence.

- (i) Don't assume that you will become a cartoonist.
(ii) Don't hope that you will become a cartoonist.
(iii) Don't believe that you will become a cartoonist.
(iv) Don't imagine that you will become a cartoonist.

Activity 2 : Writing skill

a) COMPOSE A POEM OR WRITE A SHORT DESCRIPTIVE PARAGRAPH:

*Compose a poem or write a short descriptive paragraph using similes and colourful expressions.

Choose **ONE** of these themes: Waves, Stars and Moon, Rocks, Sunset or Sunrise.

b) DIARY ENTRY:

*An emotional moment with your grandparents

or

any elderly person you love and respect the most

ACTIVITY 3 : GRAMMAR

a) Look at the words and phrases given below in jumbled form. Re-arrange them to form

meaningful sentences. The first one has been done as an example.

1. e.g.: Wheel is/ Human beings'/ invention/ the/ greatest.

The wheel is human beings' greatest invention.

a. People/ Carried/ their belongings/ backs/ on their/ earlier

b. Their life/ very adventurous/ made/ wheel/ easy/ and

c. like to/travel/ distances/ people now-a-days/ long/ enjoy life/ and

2. e.g England/good/many/ lived/ a/ years/ king/ ago/ wise/ there/ an

Many years ago there lived in England a wise and good king.

- (a) So much/ man/ his/ country/ did/ other/ ever/ for/ as he/ no
- (b) the world/ speak/ Alfred/ people/ of/ all over/ the great/ now/ as/ him
- (c) have/ life/ in/ easy/ those/ did/ not/ very/ days/ a/ a king
- (d) all/ there/ time/ was/ almost/ war/ the

3. e.g. Bombay/ Rudyard Kipling /the / born in / British writer /was

The British writer Rudyard Kipling was born in Bombay.

- (a) about animals /where /his childhood /he used to/ listen to /fables / In India/he spent
- (b) “The Jungle Book” / in the jungle /in /living /these fables /wrote down / Kipling
/about
animals
- (c) to spot /the creatures /the different ways /learnt/ Kipling /described danger /in/ his/
fables

4. e.g. had/my parents/her/left/me/with

My parents had left her with me.

- (b) to wake/she/me up/used/morning/in the
- (c) always/to school/me/went/with/she
- (d) my grandmother/by/influenced/greatly/was/I

5. e.g. surest/in/life/to success/way/is the/honesty

Honesty is the surest way to success in life.

- a) may/a dishonest/man/succeed temporary
- b) in the/lose/all/he will/long/run
- c) an honest/man/will/enjoy/the fruits /of labour

b) EDITING:

1. The following passage has not been edited. Edit the passage by choosing the appropriate option from the brackets. Write the correct word in your answer sheet as given in the example :

	Incorrect word	Correct word
Like all insects, ants has (had, have, having) six legs.	Eg. has	have
Each leg has three joint. (Joint , joints , joined)	a. _____	_____
The legs of the ants is (was, are, were) very strong	b. _____	_____
so that they can ran (runs, running, run) very quickly.	c. _____	_____
Ants can lift 20 times of there (their, his, hers) own body weight.	d. _____	_____

2. There is a mistake in each line in the passages given below. Find out the error and write both the error and the correction:

	ERROR	CORRECTION
A. The students of the present generation madly ran after Mobile phones. They knew its different functions and apps.	a) -----	-----
During Chennai floods, technology is of great help.	b) -----	-----
People could communicate with each other and help a needy.	c) -----	-----
	d) -----	-----

	ERROR	CORRECTION
B. Ram was a naughty boy that lived in the village of Tenali. Her Principal advised him one day and he realize his mistake and study very hard.	(a) _____	_____
	(b) _____	_____
	(c) _____	_____
	(d) _____	_____

ACTIVITY 4:LISTEN

Listen to these talks of wonderful people every week.

<https://youtu.be/C5EG1-w7fYo> josh talk by Arunimna Sinha

No one can stop you if you are determined in your life.

https://youtu.be/7fIL5s_Kq68 Dr. APJ Abdul Kalam's Life Advice Will Change Your Future (MUST WATCH) Motivational Speech

<https://youtu.be/xQjp8wPylFs> Sachin tendulkar's farewell speech showing gratitude towards everyone who contributed in his life.

Learn and practice the habit of Gratitude. It brings magical change in life.

<https://youtu.be/w1V3gZv0ebY> speech by Gaur Gopal Das.

Avoid negativity. Stop complaining. Be happy for what you have.

ACTIVITY 5 : CREATIVE WRITING

TLOs – *To develop the creative and technical skills necessary to conceive, execute, and revise original literary work in a student's chosen genre. * To demonstrate sensitivity to language and style both.

CONTENT – Creative Writing

TASK: Prepare **ANY TWO** from the following list for CLASS MAGAZINE:

POEM / ARTICLE /TRAVELOGUE/ STORY/ COMIC STRIP / MEMES/GRAPHICS

(ENSURE IT IS ORIGINAL, WRITE IT IN 1 SIDE OF A4 SHEET & PASTE IT ON A ¼th piece of CHART)

Note:

1. Complete your Holiday Homework (Activity 1 – 3) in the English Subject Enrichment ACTIVITY notebook.
2. Each Activity should be started in a new page of your notebook.
3. Activity: 5 to be done in A4 Sheet



MATHS

1. Find five rational numbers between $\frac{3}{5}$ and $\frac{4}{5}$.
2. Locate $\sqrt{3}$ on the number line.
3. Find the decimal expansions of $\frac{10}{3}$, $\frac{7}{8}$ and $\frac{1}{7}$.
4. What can the maximum number of digits be in the repeating block of digits in the decimal expansion of $\frac{1}{17}$? Perform the division to check your answer.
5. Find three different irrational numbers between the rational numbers $\frac{5}{7}$ and $\frac{9}{11}$.
6. Add $2\sqrt{2} + 5\sqrt{3}$ and $\sqrt{2} - 3\sqrt{3}$.
7. Find the value of the polynomial $5x - 4x^2 + 3$ at $x = 2$ and $x = -1$.
8. Use the Factor Theorem to determine whether $g(x)$ is a factor of $p(x)$ in the following case
 - (i) $p(x) = 2x^3 + x^2 - 2x - 1$, $g(x) = x + 1$
9. Obtain an example of a monomial and a binomial having degrees of 82 and 99, respectively.
10. Identify constant, linear, quadratic, cubic and quartic polynomials from the following.
 - (i) $-7 + x$
 - (ii) $6y$
 - (iii) $-x^3$
 - (iv) $1 - y - x^3$
 - (v) $x - x^3 + x^4$
 - (vi) $1 + x + x^2$
 - (vii) $-6x^2$
 - (viii) -13
 - (ix) $-p$
11. Observe the value of the polynomial $5x - 4x^2 + 3$ at $x = 2$ and $x = -1$.
12. Which of the following expressions are polynomials in one variable and which are not? State reasons for your answer.
 - (i) $4x^2 - 3x + 7$
 - (ii) $y^2 + \sqrt{2}$
 - (iii) $3\sqrt{t} + t\sqrt{2}$
 - (iv) $y + \frac{2}{y}$
 - (v) $x^{10} + y^3 + t^{50}$
13. Write the coefficients of x^2 in each of the following:
 - (i) $2 + x^2 + x$

(ii) $2 - x^2 + x^3$

(iii) $\pi/2x^2 + x$

(iv) $\sqrt{2}x - 1$

14. Write the degree of each of the following polynomials:

(i) $5x^3 + 4x^2 + 7x$

(ii) $4 - y^2$

(iii) $5t - \sqrt{7}$

(iv) 3

15. Classify the following as linear, quadratic and cubic polynomials:

(i) $x^2 + x$

(ii) $x - x^3$

(iii) $y + y^2 + 4$

(iv) $1 + x$

(v) $3t$

(vi) r^2

(vii) $7x^3$

16. Determine which of the following polynomials has $x + 1$ a factor:

(i) $x^3 + x^2 + x + 1$ (ii) $x^4 + x^3 + x^2 + x + 1$

(iii) $x^4 + 3x^3 + 3x^2 + x + 1$

iv) $x^3 - x^2 - (2 + \sqrt{2})x + \sqrt{2}$

17. Use the Factor Theorem to determine whether $g(x)$ is a factor of $p(x)$ in each of the following cases:

(i) $p(x) = 2x^3 + x^2 - 2x - 1$, $g(x) = x + 1$

(ii) $p(x) = x^3 + 3x^2 + 3x + 1$, $g(x) = x + 2$

(iii) $p(x) = x^3 - 4x^2 + x + 6$, $g(x) = x - 3$

SCIENCE

Perform the osmosis experiment at home under the supervision of your parents and take the photographs of the changes observed before and after placing them in hypertonic and hypotonic solution

Do the experiment one with a plant cell and another with a animal cell Use your textbook for reference.

***The photographs must contain your presence in the background along with experiment in front of you. It should also include you performing the experiment.**

Here's the activity given in you textbook.

Activity5.3(with an animal cell)

(a) Remove the shell of an egg by dissolving it in dilute hydrochloric acid. The shell is mostly calcium carbonate. A thin outer skin now encloses the egg. Put the egg in pure water and observe after 5 minutes. What do we observe? The egg swells because water passes into it by osmosis.

(b) Place a similar de-shelled egg in a concentrated salt solution and observe for 5 minutes. The egg shrinks. Why? Water passes out of the egg solution into the salt solution because the salt solution is more concentrated.

Activity5.4(with a plant cell)

- Put dried raisins or apricots in plain water and leave them for some time. Then place them into a concentrated solution of sugar or salt. You will observe the following: (a) Each gains water and swells when placed in water.

(b) However, when placed in the concentrated solution it loses water, and consequently shrinks

Record your observations neatly in separate file along with the photographs attached. (the photographs can be colour xerox)

****You should be present in all the photographs that you submit.**

Write a detailed scientific report on the experiment giving explanation to your observation and end your report with a proper conclusion.

Few sample pictures for your reference:



SST
worksheet

Chapter : "What is Democracy? Why Democracy?"

Multiple Choice Questions (MCQ) - 5

1. What is democracy?
 - a) Government by one person
 - b) Government by the few
 - c) Government by the people
 - d) Government by the military

2. Which of the following is a feature of democratic government?
 - a) Rule of law
 - b) Arbitrary power
 - c) Limited freedom
 - d) None of the above

3. Why is democracy considered accountable?
 - a) Because of free and fair elections
 - b) Because of an independent judiciary
 - c) Because of a free press
 - d) All of the above

4. What is the significance of universal adult franchise in democracy?
 - a) It ensures equal rights for all citizens
 - b) It allows only educated citizens to vote
 - c) It restricts voting rights to certain groups
 - d) None of the above

5. Which of the following is a challenge to democracy?
 - a) Corruption
 - b) Communalism
 - c) Casteism
 - d) All of the above

Very Short Questions - 4

1. Define democracy in one sentence.
2. What is the meaning of universal adult franchise?
3. Mention one feature of democratic government.

4. What is the role of free and fair elections in democracy?

Short Answer Type Questions - 5

1. Explain the significance of democracy in modern times.
2. Discuss the relationship between democracy and accountability.
3. What are the benefits of democratic government?
4. Analyze the role of citizens in a democratic system.
5. How does democracy promote social justice?

Long Answer Type Questions - 3

1. Discuss the features of democratic government and its significance.
2. Analyze the challenges faced by democracy in India.
3. Explain the importance of democratic institutions in ensuring democratic governance.



केंद्रीय विद्यालय आर टी सी आई टी बी पी

गृहकार्य।

भाग -1

कक्षा - 9

मैं जिस भारतीय प्रजातंत्र की कल्पना करता हूँ उसका अध्यक्ष कोई किसान ही होगा"-गांधी जी की यह अभिलाषा देशरत्न राजेंद्र प्रसाद के स्वतंत्र भारत के प्रथम राष्ट्रपति होने पर निस्संदेह ही फलवती सिद्ध हुई। राजेंद्र प्रसाद जन्मना या कर्मणा किसान तो नहीं थे, पर किसान के सच्चे प्रतिनिधि अवश्य थे। उनमें एक गवई (गाँव के किसान की-सी सादगी, सरलता, निश्छलता और कर्मठता विद्यमान थी। उनमें किसान की तपस्या भी थी और वे स्वभाव और वेशभूषा से ठेठ किसान लगते थे। उन्होंने कभी स्वयं को भारत की ग्रामीण संस्कृति से अलग और विशिष्ट बनाने का प्रयत्न नहीं किया। उनके विचार, व्यवहार और वेशभूषा में भारतीयता की अमिट छाप थी।

गद्यांश पढ़कर पूछे गए प्रश्नों के उत्तर लिखिए-

प्रश्न 1

गांधी जी ने भारतीय प्रजातंत्र के अध्यक्ष के बारे में क्या कल्पना की थी?

उत्तर

प्रश्न 2

डॉ० राजेंद्र प्रसाद एक सच्चे किसान कैसे थे?

उत्तर

प्रश्न 3

डॉ० राजेंद्र प्रसाद के व्यक्तित्व में कौन-कौन से गुण थे?

उत्तर

प्रश्न 4 'कर्मठता' का अर्थ लिखिए।

उत्तर

प्रश्न 5 वाक्य रचना कीजिए।

उत्तर

सादगी

स्

प्रश्न 6 गद्यांश का उचित शीर्षक लिखिए।

उत्तर

भाग -2

वैकल्पिक प्रश्न- दो बैलों की कथा

कृपया निम्नलिखित प्रश्नों के उत्तर दें

जानवरों में सबसे बुद्धिमान किसे माना जाता है?

i. गाय

ii. गधा

iii. कुत्ता

iv. हिरण

झूरी के साले का नाम क्या था?

i. हीरा

ii. गया

iii. सुरेश

iv. मोती

मटर के खेत में किस के खुर फंसे थे?

i. गधा

ii. हीरा

iii. मोती

iv. सांड

• झूरी ने दोनों बैलों को कहां भेज दिया?

i. बुआ के घर

ii. दादी के घर

iii. मौसी के घर

iv. ससुराल

ईश्वर ने बैलों को क्या नहीं दिया ?

i. मकान

ii. द्वितीय

iii. वाणी

iv. इनमें से कुछ नहीं

प्रेमचंद जी उर्दू में किसान से लिखते थे?

i. धनपत राय

ii. नवाब राय

iii. प्रेमचंद

iv. इनमें से कोई नहीं

• प्रेमचंद का पहला उपन्यास कौन सा था?

i. गोदान

द्वितीय. कर्मभूमि

iii. सेवादान

iv. गबन

• कांजी हौस में कौन-कौन से जानवर थे?

i. गधे

ii. घोड़े

iii. बकरी

iv. सभी

• प्रेमचंद का जन्म स्थान

i. जौनपुर

ii. धौलपुर

iii. वाराणसी

iv. मथुरा

• दोनों बैल झूरी के पास वापस क्यों लौटे ?

i. प्रेम के कारण

ii. भूल से

iii. भूख से व्याकुल होकर

iv. डर से

गया बैलों को लेने क्यों आया?

i खरीदने के उद्देश्य से

ii. बोझा ढोने के उद्देश्य से

iii. खेत जोतने के उद्देश्य से

iv. इनमें से सभी

गया बैलों को लेने क्यों आ था?

i. खरीदने के उद्देश्य से

ii. बोझा ढोने के उद्देश्य से

iii. खेत जोतने के उद्देश्य से

iv. इनमें से सभी

गया ने बैलों के व्यवहार से क्रोधित होकर उनको क्या खाने को दिया ?

i. रोटी

ii. खली

iii. हरा चारा

iv. सूखा भूसा

• अमेरिका में भारतीयों के साथ बुरा व्यवहार क्यों किया जाता था?

i. नशाखोरी के कारण

ii. अनपढ़ होने के कारण

iii. रहन-सहन साधारण होने के कारण

iv. अंग्रेजी भाषा का ज्ञान ना होने के कारण

गया के घर से भागने के बाद बैल भूख से व्याकुल होकर किस खेत में घुसे ?

i. मटर के

ii. गेहूं के

iii. सरसों के

iv. चने के

• दोनों बैलों ने सांड को किस तरह पराजित किया?

i. एकजुट होकर

ii. योजना बनाकर

iii. बुद्धिमानी से

iv. सभी सही है छोड़ता था?

. मित्रता के कारण

ii. शत्रुता के कारण

iii. भय के कारण

iv. सभी सही है

• कांजी हौस में किन जानवरों को रखा जाता था?

i. पालतू

ii. जंगली

iii. आवारा

iv. सभी

• कांजी हौस से किन जानवरों को हीरा मोती ने जबरन सींग मार कर भगाया?

i. गायों

ii. घोड़ों

iii. बकरियों

iv. गधों

• नीलामी में हीरा मोती को किसके हाथों बेचा गया ?

i. किसान

ii. धोबी

iii. कसाई

iv. मजदूर

• दो बैलों की कथा के माध्यम से प्रेमचंद जी क्या कहना चाहते ?

i. एकता में ताकत होती है

ii. संघर्ष से ही स्वतंत्रता मिलती है

iii. हिम्मत से चुनौतियों का सामना करना चाहिए

iv. सभी सही है

भाग -3

निम्नलिखित वाक्यों में रेखांकित संज्ञा शब्दों के भेद लिखिए।

क) बुढ़ापे में इन्सान बिल्कुल बच्चा बन जाता है।

ख) प्रियंका गाँधी और राहुल गाँधी बहन-भाई हैं।

ग) खिड़की के शीशू टूटे हैं।

घ) सैनिक लड़ रहे हैं।

ङ) हिमालय पर्वतों का राजा है।

च) आकाश में पक्षी उड़ रहे हैं।

छ) एवरेस्ट की चढ़ाई बहुत कठिन है।

ज) हाथी मस्त चाल चलता है।

झ) आज मैं बहुत खुश हूँ।

ञ) बच्चे बचपन में बहुत चंचल होते हैं।

ट) कक्षा में बच्चे बैठे हैं।

भाग -4

उपसर्ग किसे कहते हैं? एवं अति आप तथा अभि उपसर्ग से तीन-तीन शब्द बनाइए

उत्तर

मुंशी प्रेमचंद का जीवन परिचय अपने शब्दों में लिखिए।

उत्तर

मानसरोवर सुभर जल, हंसा केलि कराहिं।

मुक्ताफल मुक्ता चुगै, अब उड़ि अनत न जाहिं॥

उपर्युक्त पद की संदर्भ सहित व्याख्या अपने शब्दों में कीजिए।

कबीर दास का जीवन परिचय लिखिए एवं याद कीजिए।



केन्द्रीयविद्यालय आरटीसी आईटीवीपी इल्लुप्पैकुडी

(SUMMER VACATION'S HOMEWORK/ग्रीष्मावकाशगृहकार्यम्)

कक्षा- IX

विषय- संस्कृत

1. स्वरसंधिके भेद लिखकर प्रत्येक के दस दस उदाहरण लिखो।
2. स्त्रीलिंग 'रमा' शब्द के रूप लिखो और याद करो।
3. खाद(खाना) धातु के लट्, लोट्, लङ्,
विधिलिङ्ग और लृटलकार में धातु रूप लिखो और याद कीजिए।
4. किसी एक विषय पर चित्र सहित पांच वाक्य लिखो
1. भारतदेश: 2. मेम परिवार: 3. संस्कृतभाषा
5. संस्कृत प्रतिज्ञा लिखो और याद करो।
6. संस्कृत संख्या आधारित एक चार्टकानिर्माण करो॥

ARTIFICIAL INTELLIGENCE

1. Write and paste the Picture of AI Technology.

2. Multiple Choice Questions

- I. Which one of the following is an application of AI?
 - (a) Remote controlled Drone
 - (b) Self-Driving Car
 - (c) Self-Service Kiosk
 - (d) Self-Watering Plant System

- II. This language is easy to learn and is one of the most popular languages for AI today
 - (a) C++
 - (b) Python
 - (c) Ruby
 - (d) Java

- III. This field is enabling computers to identify and process images as humans do:
 - (a) Face Recognition
 - (b) Model-view-controller
 - (c) Computer Vision
 - (d) Eye-in-Hand System

- IV. NLP stands for
 - (a) Neutral Learning Projection
 - (b) Neuro-Linguistic Programming
 - (c) Natural Language Processing
 - (d) Neural Logic Presentation

- V. Which of the following is not a domain of artificial intelligence?
 - (a) Data Management System
 - (b) Computer Vision
 - (c) Natural Language Processing
 - (d) Data Science

- VI. How excited are you about this AI curriculum?
 - (a) Very Excited!
 - (b) A bit excited
 - (c) Same as always
 - (d) Not excited at all

Name : _____ Date: _____

Cut and paste the words accordingly.

Human Intelligence	Artificial Intelligence

computer	emotional	empathy	technology	machine
ethical	algorithm	sympathy	brain	robots