

KENDRIYA VIDYALAYA VIJAYANARAYANAM

HOLIDAY HOMEWORK

ENGLISH HOLIDAY HOMEWORK

CLASS IX

1) WATCH AND LEARN

Watch CLASSMATE SPELLBEE COMPETITION in youtube . Learn ten new words, usage, origin , part of speech and write in homework notebook.

2)CREATIVE CORNER-"MY BOOK"

Make your own book. Include interesting stories ,poems, cartoons, drawings, jokes, riddles, recipes etc to make your book interesting. Decorate it with your creativity to drag the attention of readers.

3) READ AND LEARN

Read the next two chapters of your supplementary reader MOMENTS ("The Adventures Of Toto" and "Iswaran The Story Teller").Write the questions and answers in class work book. Write a short biography of the authors of these stories(Ruskin Bond and R K Laxman)

केन्द्रीय विद्यालय विजयनारायणं

ग्रीष्मावकाश गृहकार्य (2020- 21)

कक्षा – 9

विषय- हिन्दी

- 1- अलंकार को परिभाषित कीजिये। अलंकार के कितने भेद हैं ? प्रत्येक की परिभाषा देते हुए उनके एक-एक उदाहरण भी दीजिये।
- 2-समास किसे कहते हैं ? समास के कितने भेद हैं ? प्रत्येक की परिभाषा देते हुए उनके पाँच-पाँच उदाहरण भी दीजिये।
- 3- प्रत्यय और उपसर्ग क्या हैं ? प्रत्यय और उपसर्ग से दस-दस शब्द बनाइए।
- 4-अपनी इच्छानुसार किसी भी विषय पर तीन औपचारिक और तीन अनौपचारिक पत्र लिखिए।
- 5- पर्यावरण प्रदूषण के दुष्परिणाम और उसका निदान विषय पर एक सुन्दर और सारगर्भित निबंध लिखिए।(शब्द सीमा- 300 शब्दों में)

- 6-प्रेमचंद का जीवन परिचय देते हुए उनकी रचनाओं का उल्लेख कीजिए।
- 7-कहानी “दो बैलों की कथा” का संदेश अपने शब्दों में लिखिए।
- 8- कबीर का जीवन परिचय दीजिए तथा अपनी पाठ्यपुस्तक से इतर कबीर के पाँच दोहे लिखिए।
- 9- कहानी “ल्हासा की ओर” (यात्रावृत्तांत) पाठ के आधार पर आपके द्वारा की गई किसी भी यात्रा का वर्णन अपने शब्दों में कीजिए।
- 10- पढ़ाए गए सभी पाठों की पुनरावृत्ति करें।

Kendriya Vidyalaya Vijayanarayanam
SUMMER VACATION HOMEWORK
Class IX
Topic: Number System

Q1. Find three rational numbers between:

(i) $\frac{1}{3}$ and $\frac{5}{4}$ (ii) $\frac{3}{7}$ and $\frac{2}{7}$ (iii) $\frac{-3}{5}$ and $\frac{-1}{3}$

Q2. Find three irrational numbers between

(i) -11 and -12 (ii) $\frac{11}{4}$ and $\frac{13}{5}$ (iii) $\sqrt{2}$ and $\sqrt{3}$

Q3. Express the following in the form of $\frac{p}{q}$ where p, q are integers, q \neq 0

(i) $0.03\overline{27}$ (ii) $4.3\overline{8}$ (iii) $1.\overline{314}$

Q4. Simplify the following:

(i) $(5+\sqrt{7})(2+\sqrt{5})$ (iii) $(2\sqrt{3}+6\sqrt{5})(5\sqrt{2}-3\sqrt{3})$

(ii) $(\sqrt{11}+\sqrt{7})(\sqrt{11}-\sqrt{7})$ (iv) $(8\sqrt{2}+3\sqrt{5})(3\sqrt{2}-6\sqrt{3})$

Q5. Rationalize the denominator of the following:

(i) $\frac{25}{\sqrt{2}+\sqrt{5}}$

(ii) $\frac{3}{\sqrt{7}-\sqrt{2}}$

(iii) $\frac{4\sqrt{3}+3\sqrt{2}}{6\sqrt{2}-3\sqrt{5}}$

(iv) $\frac{8}{3\sqrt{2}+7\sqrt{3}}$

Q6. Simplify the following:

(i) $\left(\frac{64}{125}\right)^{-\frac{2}{3}} + \left(\frac{625}{256}\right)^{\frac{1}{4}} + \sqrt[3]{\frac{25}{64}}$

(ii) $\left(\frac{x^a}{x^b}\right)^{a+b} \cdot \left(\frac{x^b}{x^c}\right)^{b+c} \cdot \left(\frac{x^c}{x^a}\right)^{c+a}$

(iii) $\sqrt{3} \times 5^{-3} \div \sqrt[3]{3^{-1}} \times \sqrt{5} \times \sqrt[6]{3} \times 5^4$

(iv) $\sqrt[4]{81} - 8\sqrt[3]{216} + 15\sqrt[5]{32} + \sqrt{225}$

Q7. Simplify:

(i) $\frac{2\sqrt{6}}{\sqrt{3}+\sqrt{2}} + \frac{6\sqrt{2}}{\sqrt{6}+\sqrt{3}} - \frac{8\sqrt{3}}{\sqrt{6}+\sqrt{2}}$

(ii) $\frac{4+\sqrt{5}}{4-\sqrt{5}} + \frac{4-\sqrt{5}}{4+\sqrt{5}}$

(iii) $\frac{3}{5-\sqrt{3}} + \frac{2}{5+\sqrt{3}}$

Q8. Find the value p if

(i) $2^{5p} \div 2^p = 5\sqrt{2^{20}}$

(ii) $(27)^p = 9 \div 3^p$

Q9. (a) If $\frac{3+\sqrt{7}}{3-\sqrt{7}} = a + b\sqrt{7}$, find the value of a and b.

(b) If $x = \frac{2-\sqrt{5}}{2+\sqrt{5}}$ and $y = \frac{2+\sqrt{5}}{2-\sqrt{5}}$, find $x^2 - y^2$

(c) If $x = 3 + \sqrt{8}$, find $x^2 + \frac{1}{x^2}$

Q10. Represent the following numbers on a number line.

(i) $\sqrt{18}$ (ii) $\sqrt{5.6}$ (iii) $\sqrt{13}$ (iv) $\sqrt{6.7}$ (v) $\sqrt{29}$

HOLIDAY HOME WORK SCIENCE

CLASS IX

I. Answer the following.

- 1.Name two cell organelles that contain their own genetic material.
- 2.Who discovered cells and how?
- 3.Why the cell is called the structural and functional unit of life?
- 4.How do substance like carbon dioxide and water move in and out of the cell?
- 5.What is osmosis?
- 6.The smell of hot sizzling food reaches you several metres away, but to get the smell of cold food you have to go close. Give reason.
- 7.How does the water kept in an earthen pot become cool during summer?
- 8.Why does our palm feel cold when we put some acetone or perfume on it?
- 9.A gas completely fills the vessel in which it is kept. Give reason.
- 10.What is dry ice? Why it is called so?
- 11.Differentiate distance and displacement.
- 12.The odometer of a car reads 2000km at the start of a trip and 2400km at the end of the trip. If the trip took 8 hr, calculate the average speed of the car in km/hr and m/s.

Summer Vacation Home Work

Class-IX Social Studies

1. Read all the Textbooks : each day 4 to 6 pages- get the signature on completion of the chapter by the parent with date on the content page.

2. Prepare 10 VSA(Very Short Answer) questions with answers from chapters 1 to 3 and write on the back of the CW.

3. Attempt the maps from lessons 1 to 4 geography and submit as a bunch.