PMSHRI K .V.No.2 BALANGIR

HOLIDAY HOME WORK (AUTUMN BREAK)

CLASS 9 TH

1.Make a list of at least 10 figure of speech

2.Read any one good novel and make a book review of it .

3.Read at least 5 stories and make a list of all new words with their meaning. (Take the help of dictionary)

4.Choose any one poem or prose from your text book and make a summary of it along with your own opinion /view that why you liked that poem/prose.

5.Compose any poem/story/picture with description of your choice.

पीएम श्री केन्द्रीय विद्यालय बलांगीर

शरदकालीन अवकाशीय-गृहकार्याणि

(कक्षा- नवमी) संस्कृतम्

1. त्रीणि पत्राणि, त्रीणि चित्रवर्णनानि, त्रयः संवादाः च लिखत।

2. शब्दरूपाणि लिखत – बालक, बालिका, कवि,मति, नदी,साधु, पितृ,भवत्, अस्मद्, युष्मद्, तत् (त्रिषु लिङ्गेषु), किम् (त्रिषु लिङ्गेषु)

3. धातुरूपाणि लिखत- प्रच्छ्, कृ, नी, (पञ्चलकारेषु)। सेव्, रुच् (लट्-लृट्लकारयोः)

4. उपरि, विना, नमः, अलम्, परितः,बहिः – एतैः अव्ययपदैः वाक्यद्वयं प्रत्येकेषु लिखत।(प्रति अव्ययपद से दो वाक्य लिखो)

Holiday Homework

Class IX

Q.1. Rationalize the denominator of the following:

      a) $1/\sqrt{3}$.   b) $1/(2 + \sqrt{3})$.   c) $7/(3-\sqrt{5})$.   d) $5/(\sqrt{7}-\sqrt{5})$

      e) $2/(\sqrt{x}+\sqrt{y})$.

Q.2. Factorise the following polynomials

      (i) x^2-5x+6.   (ii) $2x^2+7x+3$.   (iii) x^3-27.   (iv) x^4-1

Q.3. State Euclid's five postulates.

Q.4. Show that the points A (1, 2), B (– 1, – 16) and C (0, – 7) lie on the graph of the linear equation y = 9x – 7.

Q.5. Two lines AB and CD intersect each other at the point O such that BC || DA and BC = DA. Show that O is the midpoint of both the line-segments AB and CD.

Q.6. Make a model on combination of solids such as hemisphere mounted on a cylinder , cone mounted on a cylinder etc.

CLASS-IX Science

1. Draw and label the followings.
   a. Plant cell
   b. Animal cell
   c. Bacteria
   d. Neuron
   e. Muscular Tissues
2. Make a table to show the name of different cell organelles , their shapes/structures and the functions.
3. Make a concept map of the following topics- (i) Tissues.   (ii) Cell

AUTUMN HOLIDAY HOMEWORK

Sub - AI

1. Write about different types of communication.

2. Write notes on four skills of self management

3. Define the term data acquisition in AI.

4. What is utility software? Name any two.

5. Discuss about the different goals of SDG.

6. State the requirement of NLP. Give example.

7. Why is ethics important while developing AI applications ?Justify your answer.

8. Differentiate between training data and testing data.

9. Write down the importance of evaluation in AI project cycle.

10. What do you mean by neural network? Briefly explain the layers of a neural network.

CLASS – IX

1. Write note on any four points given below (about 120 words each)

a. Poverty in India

b. Elections in India

c. French revolution.

d. Tropical Evergreen and Deciduous forests

e. Advantages of having healthy population

2. Map pointing

Label the following on outline map of India

i. National Parks - Manas, Kaziranga, Simlipal, Bandipur, Rajaji, Dachigam, Dudhwa, Corbett, Gir, Kanha, Keoladeo (Ghana)

ii. Wildlife Sanctuary – Periyar, Kawal , Sariska, Chandraprabha

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