Army Public School,Jaipur
Holiday Homework
Class : IX

ग्रीष्मावकाश कालीन गृह कार्य

कक्षा 9

विषय हिंदी

प्रश्न 1. दुख का अधिकार पाठ में समाज की किस विसंगति को उजागर किया गया है ? आप अपने आसपास के समाज में किन बुराइयों को देखते हैं तथा इन्हें दूर करने के लिए आप क्या कदम सकते हैं?

प्रश्न 2. विद्यार्थी जीवन में अनुशासन का महत्व विषय पर अनुच्छेद लिखिए।

प्रश्न 3. यदि आपको किसी पर्वतीय प्रदेश की यात्रा पर जाने का अवसर प्राप्त हो तो आप उसका किस प्रकार आनंद लेंगे और इससे जीवन में क्या शिक्षा ग्रहण करेंगे ?

प्रश्न 4 बढ़ती महंगाई पर दो नागरिकों के मध्य हुई चर्चा को संवाद के रूप में लिखिए।

प्रश्न 5 अपने मित्र को अंतर्राज्यीय हिंदी वाद-विवाद प्रतियोगिता में प्रथम स्थान प्राप्त करने पर बधाई देते हुए एक पत्र लिखिए।

प्रश्न 6 अब तक पढ़ाए गए पाठों को कंठस्थ करें।

ENGLISH

General Instructions:
- ➢ Do all the questions.
- ➢ Questions 1 - 5 to be done in English Notebook.

1. Diary Entry
   a. You spent a part of your summer vacation in your village. You found that the life in village is closer to nature, which we miss in cities. You are now back home and write a diary page about your stay in your village and about your feelings in about 120 words.
   b. Recently, you volunteered the Prime Minister's 'Clean India Campaign'. Lakhs of people supported the movement. You watched the whole movement on the news channels. It reminded you of Gandhiji's efforts to make India clean. Write a diary page expressing your feelings on about 120 words.

2. Story writing
   Develop the story in 100-120 words by using the outline given below
   a. A bee --- falls into a tank --- a dove flies past --- drops a large leaf into the tank --- the bee climbs on the leaf --- flies away --- a boy takes aim at the dove --- the bee stings --- the dove is saved.

3. Paragraph Writing
   a. You visited the historical city of Agra in your vacations, where you saw the famous monument the TajMahal. Describe this monument using clues given below within 100 words.
      - Situated in the city of Agra
      - Built by Shah Jahan
      - Made of white marble
      - Fine Mughal architecture
      - UNESCO world Heritage Site
      - Completed in 16 years
      - Seventh wonder of the world

   b. Describe a person whom you admire the most in your life.
      - Physical appearance
      - Profession
      - Relation
      - Aspects you like
      - Kind of support you get
      - Opinion of others about him/her
      - Use active/passive voice

- Simple present tense is to be used
4. Read the stories of Chapters from 1 to 3 from your supplementary reader 'Moments' and write down the summary of each text in your own language.

(I) Chapter 1: The Lost Child

(II) Chapter 2:- The Adventure of Toto

(III) Chapter 3:- Iswaran, the Storyteller

5. Draw 'Mind Maps' on the following chapters/ Poems of the book ' Beehive'.

(I) Chapter 1:- The Fun They Had

(II) Poem 1:-The Road Not Taken (Poem)

(III) Chapter 2:- The Sound of Music

   (a) Part I - Evelyn Glennie Listens to Sound without Hearing It.

   (b) Part II- The Shehnai of Bismillah Khan

(IV) Poem 2:- Wind (Poem)

6. Make powerpoint presentation on any one of the following topics of grammar:-

(I) Tenses

(II) Determiners

(III) Subject Verb Agreement

MATHS

1. Simplify each of the following by Rationalising the denominator

   (i)   (ii)

2. Represent and   on number lines.

3. Represent   on number lines.

4. Express each of the following decimal in the form of

   (i) 1.272727……   (ii)   2.00323232…………

5. Insert 6 rational numbers between - and

6. Insert 3 rational numbers between

   and   (ii) 2 and 3 (iii) - and

7. Insert 3 irrational numbers between

   (i) and   (ii) 5 and 6 (iii) 0.01 and 0.02

8. Find the decimal expansion of following and find what kind of decimal expansion

   each has

(i)   (ii)   (iii) 4   (iv)

9. Factorization the following:

(i) $5x2 +16x+3$ (ii) $6x2 +11x -10$ (iii)$10x2 -9x-7$ (iv) $5x2 +33x-14$

10. Simplify the following :

   (i) -   (ii) - 2   (iii) (iv)   + 2

11. Add +   and -

12. Simplify : (i)   (ii)   (iii)   (

13. Find the zeroes for following polynomials

(i) x-5   (ii) 2x+3 (iii) 7x (iv) cx+d

14. Determine the degree of each of the following polynomial :

   (i) $5x +2$ (ii) $x3 – 5x2 + 3x5$ (iii) -11   (iv) $y3 (1-y4)$

15. Which of the following expressions are polynomial in one variable and which are

Not ? State reason for your answer.

(i) $x2 -2x$ (ii) $+ 5x + 7$ (iii) $a3 - a2 + 4a -7$ (iv) $2x2 + 3 - 7$

Solve all examples of NCERT book of class 9th Maths chapter 1 and chapter 2 upto EX 2.4

MATHS)(2022-23)

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SCIENCE

1. A gas can exert pressure on the walls of the container. Assign reason.

2. Convert the following temperature to Kelvin Scale (a) 100°C (b) -100 C.

3. Give the characteristics of the particles of matter.

4. What are intermolecular forces ? How are these related to the three states of matter ?

5. What is meant by evaporation? What are the factors on which the rate of evaporation depends?

6. Differentiate between mitosis and meiosis.

7. Define

• Membrane biogenesis.

• Nucleoid

• Melting point

• Freezing point

• Boiling point

8. Which organelle would you associate with elimination of old and worn out cells? Why?

9. Define role of plastids in plant cells.

10. Draw a neat diagram of an animal cell and plant cell and label the following organelles:

• Plasma membrane

• Golgi apparatus

• Centriole

• Smooth Endoplasmic Reticulum

• Rough Endoplasmic Reticulum

11. Draw a diagram of prokaryotic cell and label on it the following:

• Nucleoid

• Ribosomes

• Plasma membrane.

12. Draw a diagram to show the inter conversion between states of matter.

13. Describe an activity to explain the phenomenon of endosmosis and exosmosis. Draw diagram in support of this activity.

14. With the help of diagram explain latent heat of fusion and latent heat of vaporisation.

15. Prepare a portfolio of Chapter-14 Natural Resources.

16. Describe the structure of mitochondria with special reference to its membrane covering. (With Diagram)

17. Differentiate between diffusion and osmosis. Write any two examples where a living organism uses osmosis to absorb water.

Q18. Explain in detail what do you know about the structure of the nucleus.

Q19. Revise the whole syllabus covered in the class.

SOCIAL SCIENCE

INSTRUCTIONS:

• Do the writing work and map work in class work notebook.

• Writing should be neat and clean.

• Use black point pen for writing questions and blue point pen for writing answers.

ASSIGNMENT:

• Frame questions of following chapters and also write their answers:

1. Story Of Village Palampur

2. India Size And Location

3. What is Democracy, Why Democracy

4. People As A Resourse

Pattern of Question Bank:

There should be minimum 10 one marker questions and 10 questions of three and five markers combined.(Total 20 questions minimum from each of the above listed chapter)

Map work is to be done in geography chapter one.

• Do the map work in blank map and paste it in cw notebook or student can draw map by own.Do the map work according to the given syllabus:

LIST OF MAP ITEMS

A. Subject - History

Chapter-1: The French Revolution

Outline map of France (For locating and labelling/Identification)

• Bordeaux

• Nantes

• Paris

• Marseilles

Chapter-2: Socialism in Europe and the Russian Revolution

Outline map of World (For locating and labelling/Identification)

• Major countries of First World War

   (Central Powers and Allied Powers)

   Central Powers - Germany, Austria-Hungary, Turkey (Ottoman Empire)

   Allied Powers - France, England, (Russia), America

Chapter-3: Nazism and the Rise of Hitler

Outline map of World (For locating and labelling/Identification)

• Major countries of Second World War

   Axis Powers – Germany, Italy, Japan

   Allied Powers – UK, France, Former USSR, USA

• Territories under German expansion (Nazi power)

Austria, Poland, Czechoslovakia(only Slovakia shown in the map), Denmark,
Lithuania,France, Belgium

B. Subject-Geography (Outline Political Map of India)

Chapter-1: India-Size And Location

• Indian States with Capitals, Tropic of Cancer, Standard Meridian

Chapter-2: Physical Features of India

• Mountain Ranges: The Karakoram, The Zasker, The Shivalik, The Aravali, The Vindhya,
The Satpura, Western & Eastern Ghats

• Mountain Peaks: K2, Kanchan Junga, AnaiMudi

• Plateau: Deccan Plateau, Chotta Nagpur Plateau, Malwa plateau

• Coastal Plains: Konkan, Malabar, Coromandal& Northern Circar

Chapter-3: Drainage

(a) Rivers:

• The Himalayan River Systems: The Indus, The Ganges, and The Satluj

• The Peninsular rivers: The Narmada, The Tapi, The Kaveri, The Krishna, The Godavari, The Mahanadi

(b) Lakes: Wular, Pulicat, Sambhar, Chilika,

Chapter-4: Climate

• Areas receiving rainfall less than 20 cm and over 400 cm

Chapter-5: Natural Vegetation And Wild Life

• Vegetation Type: Tropical Evergreen Forest, Tropical Deciduous Forest, Thorn Forest, Montane Forests and Mangrove- For identification only

• National Parks: Corbett, Kaziranga, Ranthambor, Shivpuri, Kanha, Simlipal& Manas

• Bird Sanctuaries: Bharatpur and Ranganthitto

• Wild life Sanctuaries: Sariska, Mudumalai, Rajaji, Dachigam

A. Answer the following

Q1. In computer systems, what is the function of the BIOS?

Q2. Differentiate between the following:

a. System and Application Software.

b. Printer and Plotter.

c. CC and BCC in Email.

d. Files and Folders.

e. RAM and ROM.

f. Email and Postal Mail.

g. Bits,Byte, Nibble and Zettabyte.

h. Serial Port and Parallel Port.

i. Unix OS and DOS

Q3. Define and explain three examples of each:

a. ICT Tools.

b. Network Protocols.

c. Web Browser.

d. GUI operating system.

B. Long answer type Questions

Q1. Write any three impacts of ICT in personal life.

Q2. Explain the IPO cycle in terms of computer operations.

Q3. Define Operating System. Write the functions of operating systems.

Q4. Explain the different parts of the CPU.

Q5. Why the motherboard an important component of a computer