



ST. ANGEL'S SCHOOL
WINTER HOLIDAYS
HOMework(2017-18)
CLASS IX

ENGLISH

Q1. You have recently attended a Crafts Mela in Pragati Maidan, New Delhi. There were stalls selling crafts from all over India. There were food stalls, too, selling food from different states. Write a diary entry in about 120 words to your friend describing the Mela and your experience. Tell her why such Fairs and Events are useful. You are Sudha / Sudhanshu of 25, Chittaranjan Park, New Delhi. You may include:-

- How many stalls you visited.
- Type of handicrafts they were selling.
- Various food stalls and what you ate / liked/ disliked.
- Crowd.

Q2. Complete the following passage with a suitable word:-

(a) Amrita Sher-Gil remained (a) ----- only successful woman artist in India for a long (b) ----- . Her art education was (c) ----- the elite Ecole des beaux Arts where she became the first Asian to win a gold medal.

- (a) The , a, an, if
- (b) Times, timed, time, timely
- (c) Of, from, at, in

(b) Take proper care (a) ----- your hands, specially (b) ----- nails. They should (c) ----- kept dirt-free and trimmed regularly.

- (a) Of, from, in, at
- (b) A, an, the, of
- (c) Are, be, is, are

Q3. Sentence- reordering:-

- (a) To be/ full of surprises/ Kutch is/ discovered /waiting.
- (b) Being a/ in summer/ its temperatures touch/ dry desert/a scorching 49°C.
- (c) More than 200/its wetlands and houses/also known for/ seasonal bird species/Kutch is
- (d) In/constant struggle/is a/ this world/life.
- (e) Race of life/tries to/ his fellow men/outstrip/everyman/in the.
- (f) Successful/he/has the capacity/promptness/ comes out/who is alert/to act with/and.
- (g) Eastern and western/ a unique/cultures/Turkey is/blend of.
- (h) One of/oldest/the world's/it is/inhabited regions.

Q4. Read the following questions in 30-40 words:-

- (a) Rain is a symbol of love and sympathy. How? Quote examples from the poem.
- (b) Explain: - My dear, there is so much suffering in the world, and I can do so little (sighs), so very little.

Q5. (1) *“He had been fond and proud of Bill Bramble, but those emotions belonged to the dead past. Just at present, he felt that he disliked Bill rather more than anyone else in the world”.*

- (1) Who does “he” refer to?
- (2) What had made him feel proud of Bill Bramble?
- (3) What do you mean by the dead past?
- (4) Why did he feel jealous of Bill Bramble?

(2) *Through the open door, we could see the three cooks standing against the wall as if at bay; and from within came the monotonous beat of a familiar voice.*

- (a) Who are ‘we’ in the above extract? What familiar voice did they hear?
- (b) Where was the voice coming from? Why has it been called monotonous?
- (c) Why did the cooks appear to be at bay?

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हिंदी

- 1 अष्ट तक करवाए गए अंपूर्ण पाठ्यक्रम (साहित्य + व्याकरण)का अलग उत्तर पुस्तिका में अभ्यास करें।
- 2 पाठ्य पुस्तक की कविता 'गीत अगीत' का प्रतिपाद्य लिखिए व कविता में आए 'पतझड़ के अपनों' कथन का आशय स्पष्ट कीजिए।
- 3 'एक फूल की चाह' कविता में निहित सामाजिक समस्या का पर ध्यान देते हुए बताइए कि बालिका की इच्छा का क्या परिणाम हुआ ? आज की परिस्थितियों में इस समस्या के समाधान के लिए अपने विचार व्यक्त कीजिए।
- 4 'जीवन संघर्षमय है, इससे घबराकर थमना नहीं चाहिए' इस विषय से संबंधित कविताओं का अंकलन कीजिए।
(कोई दो कविताएँ)
- 5 पाठ 'दीये जल उठे ' में लोगों में देशप्रेम, त्याग, अमर्षण की भावना नजर आती है। क्या अष्ट श्री लोगों में ये भावना है ? तर्कपूर्ण उत्तर दीजिए।
- 6 पत्र - पत्रिकाओं को पढ़ने का चलन कम क्यों होता जा रहा है ? घरों में हिंदी की पत्रिकाएँ कम आने का क्या कारण हो सकता है? विस्तारपूर्वक लिखिए।

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MATHS

CH-13 SURFACE AREAS AND VOLUMES , CH-14 STATISTICS.

Q1. A cube of edge 9cm is immersed completely in a rectangular vessel containing water. If the dimensions of the base are 15 cm and 12 cm, find the rise in water level in the vessel.

Q2. A granary is in the shape of a cuboid of size 8m x 6m x 3m. If a bag of grain occupies a space of 0.65m^3 , how many bags can be stored in the granary.

Q3. A solid sphere of radius 1cm is melted to stretch into a wire of length 100cm. Find the radius of the wire.

Q4. A well with 10m inside diameter is dug 14m deep. Earth taken out of it is spread all around to a width of 5m to form an embankment. Find the height of embankment.

Q5. The radius and height of cone are in the ratio 4:3. The area of the base is 154cm^2 . Find the area of the curved surface.

Q6. If the mean of the following distribution is 6, find the value of p.

x	2	4	6	10	P+5
F	3	2	3	1	2

Q7. The mean of 5 numbers is 18. If one number is excluded, their mean is 16. Find the excluded number.

Q8. Find the median of the following data: 19, 25, 59, 48, 35, 31, 30, 32, 51. If 25 is replaced by 52, what will be the new median?

Q9. Ten observations 6, 14, 15, 17, $x+1$, $2x-13$, 30, 32, 34, 43 are written in an ascending order. The median of the data is 24. Find the value of x.

Q10. Draw a histogram and frequency polygon for the following data :

MARKS	600-640	640-680	680-720	720-760	760-800	800-840	840-880
No of students	16	45	156	284	172	59	18

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SCIENCE

PHYSICS

DO HHW IN YOUR PHYSICS CLASSWORK COPY.

CHAPTER-WORK AND ENERGY

- Q1. A man with a box on his head is climbing up a ladder. Is work done by the man on the box positive or negative ?
- Q2. Can a body have momentum without possessing energy ?
- Q3. Give an expression to show relation of power with work and time .
- Q4. Is it possible that a force is acting on a body but still the work done is zero?
- Q5. Derive expression for kinetic energy and potential energy.
- Q6. Give ten examples from daily life and write various energy transformation taking place in these activities.
(example- riding bicycle: muscular energy of boy > kinetic energy as cycle starts moving.)
- Q7. Which has greater effect on kinetic energy of an object doubling the mass or doubling the velocity?
- Q8. A girl sits and stands repeatedly for 5 minutes. Draw a graph to show variation of potential energy of her body with time.
- Q9. A mass of 10 kg is dropped from a height of 50 cm . Find its (a) kinetic energy and (b) velocity, just as it reaches the ground does the velocity depend on the mass of the particle ? Explain.
- Q10. An object of mass m is moving with a constant velocity v .how much work is done on object to bring it to rest ?

CHAPTER- SOUND

- Q1. In which of the medium sound travels faster: air or solid?
- Q2. On which principle stethoscope works?
- Q3. Name the characteristic of sound:
(1) which helps to distinguish between a man's voice and a women's voice?
(2) which helps to recognise the voice of our friend ?
- Q4. Which bone of the ear is in touch with eardrum ?
- Q5. A man standing in front of a cliff fires a rifle. He hears the echo after 3 seconds. Calculate the distance of man from cliff.
- Q6. What do you mean by sonic boom?
- Q7. What is a sound board ? On which principle does it work?
- Q8. How frequency is related to wave speed?
- Q9. On what factor does pitch of sound depend?
- Q10. On which day, a hot day or a cold day an echo is heard?

PRACTICAL BASED QUESTIONS

- Q1. A body weights 500 g in air and 400 g in water. Find the upthrust on the body ?
- Q2. An ice cube will: (a) sinks in water, (b) Floats in water, (c) Completely melts and (d) (b) and (c) both?
- Q3. Difference between longitudinal and transverse waves.
- Q4. Write two precautions to take in mind while performing experiment: Refletion of sound.

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CHEMISTRY

Chapter 3 Atoms and molecules

Note : all questions are compulsory

1. Define
 - a) Atomic mass unit.
 - b) Atomicity
 - c) Molecule
 - d) Ion
 - e) Valency
2. How many atoms are present in H_2S and H_2SO_4 ?
3. Write down the formula of
 - a) Magnesium oxide
 - b) Calcium oxide
 - c) Aluminium chloride
 - d) Zinc sulphate
 - e) Sulphuric acid
4. If one mole of carbon weighs 12g, what is the mass of 1 atom (in grams) ?
5. Calculate the molar mass of the following compounds :
 - a) H_2O
 - b) NaOH
 - c) CaCO_3
 - d) HNO_3
6. What is the mass of :
 - a) 1 mole of nitrogen atoms
 - b) 4 moles of aluminium atom
 - c) 10 moles of sodium sulphate
7. Calculate the number of molecules of sulphur (S_8) present in 16g of sulphur.

Chapter 4
Structure of atom

1. Define with an example :
 - a) Mass number
 - b) Atomic number
 - c) Isobar
 - d) Isotope

2. Write the distribution of electrons in carbon and sodium atom
two observations which support the fact that atoms are divisible.

3. Will ^{35}Cl and ^{37}Cl have different valencies? Justify your answer.

4. Why did Rutherford select a gold foil in his α -ray scattering experiment?

5. Calculate the number of neutrons present in the nucleus of an element magnesium.

6. One electron is present in the outer most shell of the atom of an element X. What would be the nature and value of charge on the ion formed if this electron is removed from the outer most shell?

7. If number of electrons of an atom is 8 , then what is the charge on the atom and atomic number ?

8. Compare the properties of electron, proton and neutron.

9. Give two uses of isotope and isobar.

10. Na^+ is fully filled K and L shells. Explain.

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BIOLOGY

DO HHW IN YOUR BIOLOGY CLASSWORK COPY.

Chapter -7 Diversity in Living Organisms

Q1. What is the peculiarity of bilateral symmetry?

Q2. A Weed is growing on the border of your playing ground. How will you recognize it to be dicot or monocot ?

Q3. In what way, amphibians are advanced than the fishes?

Q4. Thallophyta, Bryophyta and Pteridophyta are called cryptogams. Gymnosperms and angiosperms are called Phanerogams. Discuss why? Draw one example of gymnosperm.

Q5 Why are whale not grouped in fishes?

Chapter 13- Why do we fall Ill

Q1. What is correct ? Give reasons.

- a) A person strolling in the lawn of his house is relaxing or doing exercise.
- b) Wearing socks and full sleeves at night will prevent the attack from dengue.
- c) Regular use of QRS cures diarrhea.

Q2. Name a disease in which

- a) Antibiotic has no role.
- b) Kissing does not spread the diseases while sexual contact transfer the same.
- c) Mass scale immunization is going on

Q3. Explain giving reason:

- a. Balanced diet is necessary for maintaining healthy body
- b. Our surrounding area should be free from stagnant water.

Q4. Anish has the habit of throwing the household garbage in the drain outside her home. Her friend Smitha takes the domestic garbage to public garbage bin outside her street.

- i) Which act of garbage disposal, Anish's or Smitha's is correct?
- ii) What problems would the wrong habit create for the society?
- iii) How can the wrong habit be corrected?

Q5. Discuss briefly the principle of immunization.

Chapter 14- Natural Resources

Q1.a) List two main sources of emission of carbon dioxide.

b) How carbon monoxide is harmful?

Q2.a) Name two acids that are usually present in rain water.

b) How these acids affect our heritage monuments such as Taj Mahal?

Q3. Write a note on how forests influence the air , soil and water resource.

Q4. Fertile soil has lots of humus .Why?

Q5. Why step farming is common in hills?

Q6. Why are root nodules useful for the plants?

Q7. How do fossil fuels cause air pollution?

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SOCIAL SCIENCE

HISTORY

LESSON -4 Forest Society and Colonialism

Q1. Answer the following questions-

1. How many sleepers were required for each mile of railway track?
2. Which Act was passed in 1865?
3. How many tigers were killed between 1875-1925?
4. Java was in the possession of which colonial power?

Q2. Fill in the blanks-

- a) _____ India's land mass was under cultivation in 1600.
- b) Bastar is located in _____.
- c) The Imperial Research Forest Institute was set up in _____.
- d) Indian forest service was set up in _____.

Q3. Draw/paste and name some forest products.

POLITICAL SCIENCE

LESSON -4 and LESSON-5

Q1. Answer the following questions-

1. What makes an election democratic?
2. Distinguish between By-elections and Mid Term elections.
3. Name different election related activities.
4. Distinguish between money bill and an ordinary bill.
5. Describe the powers and functions of the Prime Minister.

Q2. Make a short report on Assembly Elections of Himachal Pradesh/ Gujarat. (Discussing its processing etc.)

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ECONOMICS

LESSON -4 Food Security in India

Q1. Why do we need to maintain security of food stocks in India?

Q2. Which are the people who are prone to food insecurity in India? Why?

Q3. Read the table given below and answer the questions-

Some Important Features of Food Security Schemes				
Name of Scheme	Year of Introduction	Coverage Target Group	Latest Volume	Issue Price (Rs. per kg)
PDS	Up to 1992	Universal		W(2.34), R(2.89)
RPDS (Revamped Public Distribution System)	1992	Bakcward blocks	20 kg of foodgrains	W(2.80), R(3.77)
TPDS (Targeted PDS)	1997	Poor and non poor	35 kg of foodgrains	BPL: W(2.50), R(3.50), APL: W (4.50), R(7.00)
AAY (Antyodaya Anna Yojana)	2000	Poorest of the poor	35 kg of foodgrains	W(2.00), R(3.00)
APS (Annapurna Scheme)	2000	Indigent senior citizens	10 kg of foodgrains	Free

a) Why PDS was most successful food security programme?

b) If your family comes under the category of rickshaw pullers earning a meagre income, under which government scheme you will get the cheap ration?

c) Explain the benefit of launching Annapurna Scheme.

d) Why TPDS was introduced despite the launch of RPDS in 1992?

GEOGRAPHY

Lesson 5 : Natural Vegetation and Wildlife, Lesson 6 : Population

a) “To protect the flora and Fauna of the country the government has taken many steps”. Explain any 2 ways in which the government has tried to reduce dependence on forests. What values do you learn from this?

b) On the outline map of India locate and label the following.

1. National park : Kanha, Kaziranga
2. Wildlife Sanctuary: Sariska, Dachigam
3. Bird Sanctuary : Bharatpur, Sultanpur
4. Tropical Evergreen Forest
5. The state having highest and lowest density of population.
6. The state having highest and lowest sex ratio.

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