



ST. ANGEL'S SCHOOL

AUTUMN HOLIDAYS

HOMework(2017-18)

CLASS IX

ENGLISH

Q1. Answer the following questions in 30-40 words:-

- (a) According to William Shakespeare “Life is a stage”. Justify.
- (b) Private Quelch had all the traits of a ‘Professor’. Discuss.
- (c) The author takes the road which is less trodden. Why?
- (d) What message do you get from the poem “The Brook”?
- (e) How does Wordsworth describe the song of the Solitary Reaper? How does he feel when he hears the song?

Q2. Answer the following questions in 80-100 words:-

- (a) With reference to the chapter “How I taught my grandmother to read”, write a paragraph on the topic Girl Education is necessary for the development of a country.
- (b) Why does Lord Ullin’s Daughter defy her father and elope with her lover? Do you agree with the Lord Ullin’s daughter decision? Justify your answer.

हिंदी

1 अनुच्छेद लेखन

- विज्ञान का मिला जल आधार, भुखी हुआ नारा संसार
- छढती आषाढी, घटते पन
- समाज में नारी का स्थान
- यात्रा जिसे मैं भूल नहीं पाता /पाती

2 पत्र लेखन (अनौपचारिक पत्र)

- दीपावली पर पटाखे न जलाने हेतु अनुज को पत्र।
- वार्षिक परीक्षा की तैयारी के लिए छोटी बहन /भाई को प्रेरक पत्र।

3 संवाद लेखन

- 'बच्चों का शिक्षा के प्रति कम होता रुझान' विषय पर दो अध्यापिकाओं के मध्य संवाद।
- अर्द्ध वार्षिक परीक्षा की तैयारी के विषय में दो छात्रों के बीच संवाद।

4 विज्ञापन लेखन

- 'जून कार्नाव' एवं 'शुद्ध पानी' हेतु दो अलग-अलग सुंदर एवं आकर्षक विज्ञापन बनाइए।

5 'धर्म एकता का माध्यम है'- इस विषय पर अपने विचार लिखिए।

6 सूर्यमंडल में नौ ग्रह हैं। शुक सूर्य से क्रमशः दूरी के अनुसार दूसरा ग्रह है और पृथ्वी तीसरा।

चित्र सहित परियोजना पुस्तिका में अन्य ग्रहों के नाम क्रमानुसार लिखिए।

(उपरोक्त समस्त कार्य व्याकरण की कॉपी में करना है।)

MATHS

Ch-4(Linear Equations In One Variables)

Q1.Solvefor x: $(3x-7)/5 - (x+1)/6 = (2x+2)/12 - 1$

Q2.The cost of 6 eggs is the same as the cost of one bread. Express this statement as a linear equation in one variable.

Q3.Find 4 solutions of the following: (i) $2x+3 = 0$ (ii) $2x+y = 11$

Q4.Draw the graph of the equation $2x+3y = 5$.Check whether the points $(-3,4)$ and $(7,-3)$ are the solutions of the given equation?

Q5.Draw the graph of the line $x - 3y = 4$.From the graph, find the ordered pairs of the points when (i) $y = -1$ (ii) $x = -2$

Q6.Plot the points $(2,1)$ and $(5,-2)$ and verify from the graph that the straight line joining these points passes through the point $(-2,5)$

Q7.Express x in terms of y in the equation $3x + 2y = 12$.Find the point where the line represented by the equation $3x + 2y = 12$ cuts x- axis .

Q8.If $x = 3$ and $y = -1$ is a solution of the equation $2x - 5y + k = 0$, then find the value of k.

Q9.On the same axes ,draw the graphs of the lines given by the equations $2x+3y - 5 = 0$ and $2x+3y+11 = 0$. What kind of relationship between the lines do you observe from the graph?

Q10. Write a linear equation $3x+2y = 18$ in the form of $ax+by+c = 0$. Also write the values of a,b,c are $(4,3)$ and $(1,2)$ solution of this equation.

SCIENCE

PHYSICS

COMPLETE ALL BACK EXERCISE QUESTIONS OF CHAPTER-GRAVITATION IN PHYSICS NOTEBOOK.

ASSIGNMENT-CHAPTER COVERED- 10 GRAVITATION

DO ASSIGNMENT ON A4 SIZE WHITE SHEETS .

QN 1 WHAT IS THE MAGNITUDE OF GRAVITATIONAL FORCE BETWEEN TWO BODIES OF MASSES m_1 AND m_2 AT SEPARATION 'r' ?

QN 2 IT IS KNOWN THAT EARTH ATTRACTS YOU IN VERTICALLY DOWNWARD DIRECTION . DO YOU ATTRACTS THE EARTH WELL ? IF YES IN WHICH DIRECTION ?

QN 3 IF A STONE IS RELEASED FROM TOP OF A BUILDING , IT ACCELERATES AND FALLS DOWN . NAME THE FORCE WHICH ACCELERATES THE OBJECT .

QN 4 THE ACCELERATION DUE TO GRAVITY ON EARTH IS 9.8 m/s^2 . WHAT IS ITS VALUE ON SURFACE OF EARTH ?

QN5 A COIN AND A PIECE OF PAPER ARE DROPPED SIMULTANEOUSLY FROM SAME HEIGHT . WHICH OF THE TWO WILL REACH THE GROUND FIRST ?

QN 6 A STONE TIED TO A THREAD IS HANGING FROM A HOOK OF A SPRING BALANCE . STONE IS GRADULLY LOWERED IN WATER . WHAT CHANGE DO YOU EXPECT IN THE READINGS OF SPRING BALANCE ?

QN7 A BLOCK OF WOOD FLOATS IN WATER AT ROOM TEMPERATURE . IF WATER IS NOW HEATED WHAT CHANGE WILL OCCUR IN STATE OF FLOATATION ?

QN8 EXPLAIN WHY DOES A MAN FIND EASIER TO SWIM IN SEA WATER THAN IN RIVER WATER?

QN9 EXPLAIN WHY ARMY TANKS ARE PROVIDED WITH A STEEL BELT OVER THE WHEELS?

QN 10 A BODY OF VOLUME 100cm^3 IS IMMERSERD COMPLETELY IN WATER . CALCULATE THE UPTHURST ON THE BODY . (DENSITY OF WATER = 10kg/m^3 , $g= 9.8\text{m/s}^2$)

CHEMISTRY

Chapter 4 Structure of Atom

Note: Attempt all the questions .Do assignment on white A4 sheet.

1. Describe in detail Dalton's Theory and its drawbacks.
2. What was the model of an atom proposed by Thomson ?
3. What is the nature of the charge of an electron ?
4. What are canal rays ?
5. What were the observations and its inferences of Rutherford's scattering experiment ?
6. Who discovered the nucleus of the atom ?
7. What is the nature of charge on the nucleus ?
8. Explain the drawback of the Rutherford's model of atom.
9. Illustrate major postulates of the Bohr's model of atom.

BIOLOGY

Chapter 14 Natural Resources

Note: Attempt all the questions .Do assignment on white A4 sheet.

1. Name two chemicals that are depleting ozone layer.
2. Name the types of soil.
3. State 3 methods by which free nitrogen can be converted into nitrates.
4. What is Denitrification?
5. How do fossil fuels cause air pollution?
6. In spite of breathing out carbon dioxide in a large amount and released by combustion, the atmosphere has mere fraction of CO₂ only. Why?
7. What is water pollution? Give its causes and harmful effects?
8. State in brief the role of photosynthesis and respiration in carbon cycle in nature.
9. What is the difference between smog and fog. Give two examples effects of smog.
10. Explain carbon cycle with the help of flow chart.

SOCIAL SCIENCE

HISTORY

LESSON -3 Nazism and the Rise of Hitler

Q1. Define the following terms and concept-

a. Axis Powers-

b. Allied powers-

c. The Great Depression-

Q2. Fill in the blanks-

- a) Killing on large scale leadership to destruction of large sections of people is called _____ war.
- b) _____ was the Nazi Youth group for children below 14 years of age.
- c) Propaganda minister of Hitler was _____.

Q3. Match the following-

1. Charles Dickens	Nazi method of killing a disabled.
2. Concentration Camps	A natural scientist who discovered the theory of natural selection and evolution.
3. Euthanism	A place where people were isolated and detained without due process of law.
4. Chancellor	The highest part in the Cabinet of Minister in Germany.

POLITICAL SCIENCE

LESSON -3 Constitutional Design

Q1. Paste/draw the picture of Nelson Mandela and write few lines about him.

Q2. Write neatly PREAMBLE OF INDIA and make it Colourful.

Q3. Fill in the blanks-

a) Name the Women Members of Constituent Assembly-

b) Who was the chairman of the Drafting Committee of Constitution in India?

c) When was the Constitution adopted?

Q4. Write TRUE or FALSE-

A) The apartheid system was particularly oppressive for whites. _____

B) Nelson Mandela was tried for treason by the White South African Government. _____

ECONOMICS

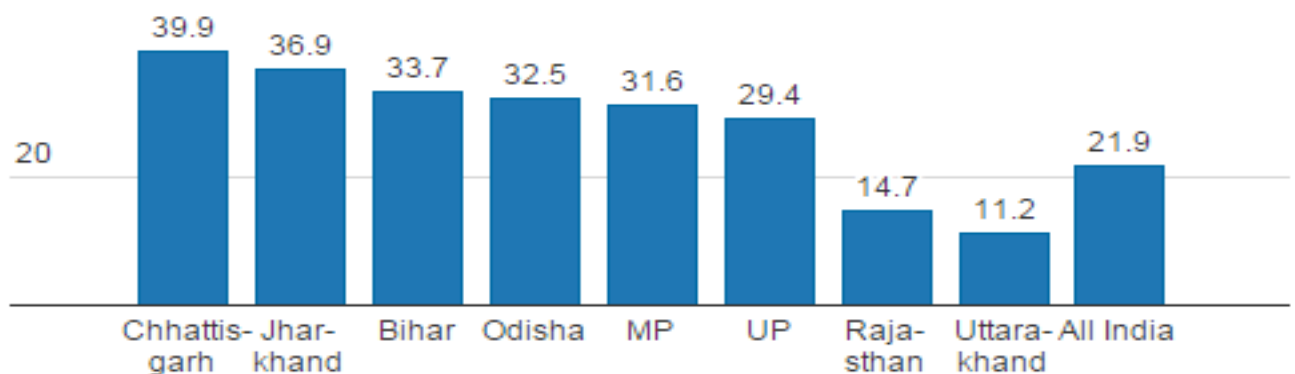
LESSON -3 Poverty as a challenge

Q1. “There is a strong link between Poverty reduction and Economic growth”. Highlight the answer by supporting the statement.

Q2. Study the Bar graph given below carefully and answer the following questions-

1. Identify the states having high poverty ratio.
2. What is an average poverty rate in India?
3. Explain the reasons for high poverty rates in Part (1).
4. Name the states with decreasing poverty rates and give the reason.

Population Below Poverty Line, 2013 (%)



Q3. Explain briefly what steps government has taken to remove poverty in India.

GEOGRAPHY

Lesson 5 - Minerals and Energy Resources.

Q.1 Draw a Flow Chart on Classification of Minerals (on A4 size sheet).

Q.2 Prepare a report on Conservation of Energy Resources. Include the following points. (1000-1500 words)

- a. Sustainable Development.
- b. India's policy on Carbon Emission.
- c. Focus on Renewable Resources.

FOUNDATION OF INFORMATION TECHNOLOGY

- Q1. Explain the concept of networking.**
- Q2. Compare LAN, WAN & MAN.**
- Q3. Why do we use network card.**
- Q4. Define multimedia and its use.**
- Q5. What are the latest trends in communication technology these days ?**
- Q6. Discuss different views in MS PowerPoint.**
- Q7. Can you automate the process of allocating precise timings to each slide? If yes how?**
- Q8. What is a placeholder?**
- Q9. What are templates in MS Power Point?**
- Q10. What do you mean by artificial intelligence?**