



## GURU GOBIND SINGH PUBLIC SCHOOL, CHAS, BOKARO

Affiliated to CBSE, New Delhi

CLASS- IX

ASSIGNMENT

ENGLISH

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### 1.) Read the passage given below and answer the questions that follow.

The Polish-born Marie Curie and her husband, Pierre, worked in a dilapidated wooden shed near their Paris lodgings for over four years. This shed would become unbearably hot in summer and cold and wet in winter. This was where they spent the most memorable years of their life. And on a September night in 1902, it was here that they discovered the radioactive element 'radium' in the form of radium chloride. Radium comes from the Latin word radius which means a ray.

The discovery of radium was a major breakthrough. Shortly after it was discovered, doctors started using it to treat some types of cancers. Cancerous cells would die when they were bombarded with the radioactive rays of radium.

The Curies had spent the historic day pouring measures of purified uraninite into evaporating bowls. Marie Curie believed that the black mineral ore contained a dynamic element whose rays could destroy cancer cells. They first removed uranium from the uraninite sample and found that the remaining substance was still radioactive. So they decided to investigate further. They constantly filtered and re-filtered the uraninite hoping that the elusive element would crystallize in the bowls.

That crystallization hadn't occurred when they went home that night. Then, just as they were about to go to bed, Marie decided to examine the particles in the bowls again. So she and her husband hurried through the dimly-lit streets and reached the wooden shed.

They entered the darkened shed and Marie asked her husband not to light the lamps. They moved cautiously forward and found rays of light coming from inside the small glass-covered bowls. Marie turned to her husband and asked, 'Do you remember the day you told me, 'I should like radium to have a beautiful colour.' Look...Look!'

A soft, bluish-purple glow was coming out of the bowls that lined the tables and the shelves on the walls.

On the basis of your reading answer the following questions :-

1). Why did Curies call the element they just discovered 'radium'?

- a) It was made from purified uraninite.
- b) It gave out a beautiful ray of light.
- c) It could destroy cancer cells.
- d) It had become crystalized in bowls.

2) How many years did they take to complete the research on radium?

- a) one year
- b) two years
- c) three years
- d) four years

3) The discovery of radium was a major breakthrough because

- a) it helped Curie to become famous
- b) it helped Curie to win the Nobel Prize
- c) it provided the first effective cure for some forms of cancer
- d) it helped Curie to become rich

4) What is the color of Uraninite?

- a) blue
- b) bluish pink
- c) black
- d) white

5) Marie extracted the new element from

- a) purified uraninite
- b) radioactive particles
- c) cancer tissue
- d) evaporating bowls

6) Marie told her husband not to light the lamps because

- a) she wanted to walk in the dark

- b) she was hoping that light would come out of the evaporating bowls
- c) she wanted to see if her husband could walk in the dark
- d) she had a headache

7) The light came from

- a) uraninite
- b) the element crystalized in the bowls
- c) the test tubes
- d) the ceiling of the shed

8) The Curies discovered radium in the form of

- a) radium oxide
- b) radium chloride
- c) radium phosphate
- d) radium sulphate

9) Find another name for the 'ore of uranium' from the passage. ....

10) Find the word which is opposite of '**deferred**' from the above passage.

2) Read the following conversation given below and complete the paragraph that follows.

Raj : Why were you late, tomorrow?  
 Sam : I was in hospital to look after my uncle.  
 : What happened to him?  
 He met an accident.

Raj  
 Sam :

Raj asked Sam (a) ..... Sam told (b)  
 ..... Raj asked (c)..... Sam said  
 (d).....

3.) ERROR OF EDITION:-

Of all the discoveries that has made human

INCORRECT      CORRECT  
 ..... (a) .....

Progress possible, none exceed the wheel for importance. .... (b) .....

The invention on wheel not only helped ..... (c) .....

Transport but ushered on the age of machinery. .... (d) .....

cards to their fathers.

4.) ERROR OF OMISSION :-

	BEFORE	ANSWER	AFTER
I met him for the first time a weekend leadership retreat. All the students at school been invited to sign up the ACE training.	.....	(a) .....	.....
	.....	(b) .....	.....
	.....	(c) .....	.....
He was of 405 students who signed up.	.....	(d) .....	.....

5.) Fill in the blanks in the sentences given below by choosing the most appropriate options from the ones that follow. Attempt **any four**. Write the answer in your answer sheet against the correct blank numbers.

He would (a)..... beg that steal. I have not met him (b) ..... he has left school. He was (c) ..... sad yesterday. The Earth (d)..... around the Sun. he usually (e)..... brerakfast before he goes to school.

- |                   |                |                 |             |
|-------------------|----------------|-----------------|-------------|
| (a) (i) not       | (ii) rather    | (iii) no longer | (iv) nor    |
| (b) (i) as        | (ii) for       | (iii) when      | (iv) since  |
| (c) (i) very      | (ii) to        | (iii) more      | (iv) fairly |
| (d) (i) moved     | (ii) has moved | (iii) is moved  | (iv) moves  |
| (e) (i) is eating | (ii) has eaten | (iii) eats      | (iv) are    |

6) REARRANGE FOLLOWING WORDS/PHRASES TO FORM MEANINGFULL SENTENCES:-

- a) Are/eating/birds/small/Wagtails/insects
- b) To/are/closely/they/related/pipits.
- c) Eight/of/Wagtails/there/about/are/species

7) Two out of four short answer type questions to be answered (20 to 30 words) from Beehive and Moments .

- a) Where was Abdul Kalam's house?
- b) What characteristics does he say he inherited from his parents?
- c) Where did Jerome finally find the toothbrush?
- d) What did George and Harris offer to pack and why?

8. Two out of four short answer type questions to be answered ( 40 to 50 words)

- a) Who were Abdul kalam's school friends what did they letter become?

- b) What was Jerome's real intention when he offered to pack?
- c) How does the poet suggest that all people on earth are the same?
- d) What does the poet tell us about the earth which "our brothers walk upon"?

9. Long answer type questions:

- a) How did Prashant help the people of his village?
- b) Why do Prashant and other volunteers resist the plan to set up the institutions for orphan and widows what alternatives do they consider?

**Note: The assignment is to be done in a separate notebook and submitted to respective subject teachers on/before school reopening**

CLASS- IX

ASSIGNMENT

HINDI

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1. पाठ्य-पुस्तक (क्षितिज):- कैदी और कोकिला, बच्चे काम पर जा रहे हैं, प्रेमचंद के फटे जूते पाठ के प्रश्नोत्तर याद करें।
2. व्याकरण:- उपसर्ग/प्रत्यय अलंकार, समास एवं वाक्य-भेद का अभ्यास करें।
3. परियोजना कार्य:- कबीर दास, प्रेमचंद, राहुल- सांकृत्यायन एवं हरिशंकर परसाई इन चारों कवि एवं लेखकों का साहित्यिक परिचय सचित्र फाइल पेपर पर लिखें।

CLASS- IX

ASSIGNMENT

SANSKRIT

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1. पाठ 9 का अभ्यास कार्य करें।
2. द्वितीया से सप्तमी तक उपपद विभक्ति का अभ्यास करें।
3. 2 अपठित गद्यांश का अभ्यास करें।

CLASS- IX

ASSIGNMENT

MATHS

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1. Write in thin copy. a) To prove sum of four angles of a quadrilateral is  $360^\circ$ .
- b) To prove a diagonal of a parallelogram divides it into two congruent triangles.

- c) To prove in a parallelogram, opposite sides are equal
- d) To prove a quadrilateral is a parallelogram, if its opposite sides are equal.
- e) To prove in a parallelogram, opposite angles are equal.
- f) To prove a quadrilateral is a parallelogram, if its opposite angles are equal.
- g) To prove the diagonals of a parallelogram bisect each other.

2. Solve ex 8.1 from question no. 1 to 10.

CLASS- IX

ASSIGNMENT

PHYSICS

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Write and learn the following questions

- Q1. Define 1 joule of work?
- 2. How is work done by a force measured?
- 3. an object of mass 15 kg is moving with a uniform velocity of 4 metre per second. What is the kinetic energy possessed by the object?
- 4. A bullet of mass 0.03 kg moving with a speed of 400 metre per second penetrates 12 cm into fixed block of wood Calculate the average force exerted by the wood on the bullet ?
- 5. Two bodies of equal masses move with uniform velocities  $v$  and  $3v$  respectively. Find the ratio of their kinetic energies.
- 6. a body of mass 5 kg initially at rest is subjected to a force of 20 newton. What is the kinetic energy acquired by the body at the end of 10 seconds ?
- 7. How much work is required for a 74 kg sprinter to accelerate from rest to 2.2m/s ?
- 8. When is work done by a force positive ?
- 9. By how much will the kinetic energy of a body increase if its speed is doubled ?
- 10. When is work done by a force zero ?

CLASS- IX

ASSIGNMENT

CHEMISTRY

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- 1) compare the properties of electron ,proton ,and neutron.
- 2) Describe Rutherford model of atom. How is it different from Thomson model?
- 3) Describe Rutherford experiment and the conclusion that he draw from his experiment.
- 4) How do you know that most of the space in an atom is empty?
- 5) What are the defects of Rutherford model of atom?
- 6) What are canal rays?
- 7) If an atom contains one electron and one proton ,will it carry any charge or not?

CLASS- IX

ASSIGNMENT

BIO

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### Chapter 6 The Fundamental Unit of life.

- 1. Draw a well labelled diagram of :
  - a. Animal Cell

b. Plant cell

2. Differentiate between Prokaryotic cell and Eukaryotic cell with the help of diagram.

Chapter 13 Why do we fall ill?

1. Write the different modes of spread of diseases with the help of diagram.

CLASS- IX

ASSIGNMENT

HIST/CIV

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1. Map Work

a) On an outline Map of France locate the following places

Bordeaux, Nantes, Paris, Marseillaise, Ruffex

b) On an outline Map of the world locate the following countries

Germany, Austria- Hungary, France, England, Russia, USA.

c) On an outline Map of the world labels the

i) Axis power- Germany, Italy, Japan.

ii) Allied power - UK, France, Russia, USA.

iii) Territories under German expansion - Austria, Poland, Czechoslovakia, Denmark, Lithuania, Belgium

2. Learn objective questions/answers from the following chapters

a) Ch- 3 Nazism and the Rise of Hitler (History)

b) Ch- 4. Electoral Politics (Civics)

c) Ch- 3. Poverty as a challenge (Economics).

CLASS- IX

ASSIGNMENT

GEOGRAPHY

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1. Why is the monsoon considered a unifying bond?

2. Give the characteristics and effects of the monsoon rainfall in India.

3. Describe the regional variations in the climatic conditions of India with the help of suitable examples .

4. Give reasons as to why.

a. Seasonal reversal of wind direction takes place over the Indian subcontinent?

b. The bulk of rainfall in India is concentrated over a few months

c. The Tamil Nadu coast receives winter rainfall.

d. The Delta region of the eastern coast is frequently struck by cyclones.

e. Parts of Rajasthan Gujarat and the leeward side of the Western Ghats are drought prone.

5. Map skills

On an outline map of India, show the following.

- a. Areas receiving rainfall over 400 CM
- b. Areas receiving less than 20 CM of rainfall.
- c. The direction of the Southwest monsoon over India.

Note : Do all the above work in your Geography notebook.

CLASS- IX

ASSIGNMENT

COMPUTER

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Q. 1 Define presentation. Give example of presentation software.

Q. 2 Write steps to -

- a) inserting a new slide in presentation
- b) inserting text on the slide
- c) inserting audio and video files on the slide

Q. 3 What do you mean by Slide Show ? Write in brief what advantages are provided by a presentation software .

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