

**ASSIGNMENT**

**CLASS – IX**

**SUBJECT - ENGLISH**

**DATE – 20/03/2020**

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**1. Language and Literature :-**

Read the following fictions, write the exercise questions and character sketches of the characters in copy.

**BEEHIVE**

- i) The fun they had.
- ii) The road not taken
- iii) The sound of music
- iv) Wind (write summary and find the poetic devices used in it)

**MOMENTS :**

- i) The Lost Child
- ii) The Adventure Of Toto
- iii) Iswaran The Story Teller
- iv) In The Kingdom Of Fools

**2. Grammar :-**

Write the rules and do the related questions with the help of any sample paper.( 50 questions each) :-

- i) Tenses
- ii) Subject Verb Agreement
- iii) Voice
- iv) Determiners
- v) Prepositions.

**3. Writing :-**

**1. Article writing :**

- a) Pollution due to urbanization
- b) Health is wealth
- c) Prevention is better than cure
- d) Right to Education
- e) Role of media in our lives
- f) Crime and the involvement of juvenile

**2. Diary entry :-**

- a) You saw a girl working as a maid while going to your school today. Write a diary entry expressing your view.
- b) Now a days you felt that science has become a curse for the society. You feel shame. Write a diary entry expressing your view.
- c) You witnessed an accident that occurred due to rash driving that day. Write a diary entry to share your experience.

**3. Define the following poetic devices with five -five examples:**

- a) Simile b) Metaphor c) Alliteration d) Assonance e) Oxymoron f) Personification
- g) Repetition h) Pun i) Onomatopoeia j) Refrain k) Ballad

# GURU GOBIND SINGH PUBLIC SCHOOL

CHAS, BOKARO

## Assignment Work (2020-21)

MATHEMATICS

Class: IX

### 1. MCQ

i) If  $x=2+\sqrt{3}$ , then  $\left(\frac{1}{x}\right)$  is equals to

a)  $2+\frac{1}{\sqrt{3}}$

b)  $\frac{1}{2-\sqrt{3}}$

c)  $\frac{1}{2}+\sqrt{3}$

d)  $2-\sqrt{3}$

ii) In the polynomial  $p(x)=ax^2+bx+c$ ,  $c$  is the coefficient of

a)  $x^2$

b)  $x$

c)  $x^{-1}$

d)  $x^0$

iii) The mirror image of point (3,5) in x-axis is

a) (3,5)

b) (3, -5)

c) (-3, 5)

d) (-3, -5)

iv) How many lines can be drawn to pass through one given point?

a) Only one

b) infinitely many

c) None

2. If  $\sqrt{3}=1.73205$ , then what is the value of  $\sqrt{2} \times \sqrt{\frac{\sqrt{3}-1}{\sqrt{3}+1}}$ ?

3. If both  $(x-2)$  and  $(x-\frac{1}{2})$  are factors of  $ax^2+5x+c$ , show that  $a=c$ .

4. Find the remainder when  $p(x)=x^3+4x^2-3x+10$  is divided by  $(x+4)$ , using remainder theorem.

5. In which quadrant do the following points lie?

i) (-6, 5)

ii) (-3, -2)

6. Represent  $\sqrt{11}$  on the number line.

7. Represent  $\sqrt{9.3}$  on a number line.

8. Using factor theorem, show that  $x-y, y-z, z-x$  are the factors

$$x(y^2-z^2)+y(z^2-y^2)+z(x^2-y^2).$$

9. If  $p+q+r=16$  and  $pq+qr+rp=25$ , find the value of  $p^2+q^2+r^2$ .

10. Determine  $a$  and  $b$ , if  $\frac{7+\sqrt{5}}{7-\sqrt{5}} - \frac{7-\sqrt{5}}{7+\sqrt{5}} = a+7\sqrt{5}b$ .

11. The polynomial  $p(x)=kx^4+3x^3+7$  when divided by  $(x-2)$  leaves a remainder which triple the remainder left by the polynomial  $g(x)=2x^3+17x+k$  when divided by  $(x-1)$ .

Find the value of  $k$ .

12. Define Euclid's fifth postulates.

13. Plot the points P(3,0), Q(7,9), R(-6,9) and S(-2,0). Name the figure PQRS and also find the area of PQRS.

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**GURU GOBIND SINGH PUBLIC SCHOOL, CHAS**

**CLASS – IX**

**ASSIGNMENT**

**SUBJECT - Physics**

1. The displacement of a moving object in a given time interval is zero. What the distance travelled by the object also be zero. Justify your answer.
2. Define average speed and its unit.
3. What will be the equation of motion of an object moving with a uniform velocity changes?
4. A particle is moving in a circular path of radius(r). What would be the displacement after half a circle?
5. Differentiate between distance and displacement.
6. What are the uses of distance time graph?
7. How will you show that the slope of displacement time graph gives velocity of the body?
8. Derive the expression for equation of motion by graphical method.
9. Distinguish between speed and velocity.
10. What does the odometer of an automobile measure?
11. What is the nature of the distance time graph for uniform and non uniform motion of an object.
12. Obtain a relation for the distance travelled by an object moving with a uniform acceleration in the interval 4<sup>th</sup> and 5<sup>th</sup> seconds.
13. (a) what do you understand by instantaneous velocity? (b) what is negative acceleration?
14. Express average velocity when the velocity of a body changes at non-uniform rate and a uniform rate.
15. Draw a velocity versus time graph of a stone thrown vertically upwards and then coming downwards after attaining the maximum height.

**GURU GOBIND SINGH PUBLIC SCHOOL, CHAS**

**CLASS – IX**

**ASSIGNMENT**

**SUBJECT - Chemistry**

1. Define matter ?give three example of matter
2. Write the important characteristic of matter?
3. Discuss the various factors which affect the rate of evaporation?
4. Define sublimation .with the help of an activity describe the sublimation of a solid substance. name two substances from our daily life that sublime on heating.
5. Compare the properties of gas liquid and solid in a tabular form.
6. Define the following: a) latent heat of fusion b) latent heat of vaporization
7. Convert the following temperature to the Kelvin scale  
a) 25 degree Celsius      b) 373 degree Celsius
8. convert : a) 300 Kelvin      b) 573 Kelvin      into Celsius scale
9. give reason for the following observation
10. the smell of hot sizzling food reaches you several metres away but to get the smell from cold food you have to go close
11. naphthalene ball disappear with time without leaving any solid
12. How does the water kept in an earthen pots become cool during summer?
13. Differentiate between evaporation and vaporization
14. Comment upon the following: rigidity ,compressibility, fluidity
15. Filling a gas container, shape ,kinetic energy and density of various state of matter

16. Give two reason to justify that
  - a. water is liquid at room temperature
  - b. wooden chair is a solid at room temperature
17. What is evaporation ?why does evaporation cool a liquid?
18. What do you mean by change of matter give two example of change of state?

**Guru Gobind Singh Public School Chas Bokaro**  
**Assignment For std IX 2020=21**  
**subject: (Biology)**

**Main topic:**

1. Improvement in crop yield.
2. Crop variety improvement
3. crop production improvement
4. crop protection management
5. nutrient management
6. manure
7. fertilizers
8. irrigation
9. cropping patterns
10. mixed cropping
11. intercropping
12. crop rotation
13. crop protection from weeds, insect, pests .
14. storage of grains
15. animal husbandry
16. cattle farming
17. poultry farming
18. fish production
19. Marine fisheries
20. inland fisheries
21. beekeeping

[note: write short notes on above mentioned topics]

**Important questions :**

1. Explain any one method of crop production which ensures high yield.
2. Why are manure and fertilizers used in fields ?
3. What are the advantages of intercropping and crop rotation?
4. What is genetic manipulation ? How is it useful in agriculture practices?
5. How do storage grain losses occurs?
6. How do good animal husbandry practices benefit farmers?
7. What are the benefits of cattle farming?
8. how do you differentiate between capture fishing mariculture and aquaculture?

# **GURU GOBIND SINGH PUBLIC SCHOOL**

**CHAS, BOKARO**

*Assignment Work (2020-21)*

*Class: IX*

*History/Civics/Economics*

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1. What is hyperinflation?
2. What was "Jungvolk"?
3. What do you mean by 'Impeachment'?
4. Who is the head of state?
5. What is 'human poverty'?
6. Who estimates poverty line after every five years?
7. What were the reaction of common people regarding Nazism?
8. What are the various functions of President?
9. Describe how the poverty line is estimated in India?
10. What were the Nazi policy about youths?
11. Differentiate between political and permanent executive?
12. Discuss the major reasons for poverty in India?
13. What is multiple cropping?
14. What is working capital? Explain.
15. Describe the role of philosophers French Revolution.
16. Write any three dirty tricks played by PRI to win elections in Mexico.
17. Write any three negative effects on Green Revolution on environment.
18. Mention any five arguments against democracy.
19. Who was Robespierre? Mention any four of the measures taken by him to make his government more effective.
20. Explain the various factor of production? How can we increase productivity from the some piece of land?

**GURU GOBIND SINGH PUBLIC SCHOOL**

**ASSIGNMENT 2020-21**

**CLASS :IX**

**SUB.GEOGRAPHY**

1. Define the following terms
  - A. Tropic of cancer
  - B. Equator
  - C. Latitude

- D. Longitude
- E. Island
- F. IST
- 2. Answer in one word or one sentence
  - A. In which hemisphere India is located ?
  - B. What is the latitudinal extent of India ?
  - C. What is the longitudinal extent of India ?
  - D. What is the total area of India ?
- 3. Answer the following question
  - A. Name the states through which the Tropic of Cancer passes
  - B. What do you know about the size and location of India?
  - C. Name the union territories of India.
  - D. Name the countries which are larger than India ?
  - E. What is the IST of India? Why it has been so selected ?
  - F. Name the states of India which has coastal boundary?
  - G. Which countries share their boundaries with India ?
- 4. Map Skill.

On the political map of India Mark and label the following

- A. Palk strait
- B. Pakistan
- C. A place situated on the three seas.
- D. The island groups of India lying in the Arabian Sea and the Bay of Bengal
- E. The countries constituting Indian subcontinent

## Guru Gobind Singh Public School

**Class IX**

**Assignment First term 2020**

**Subject - I.T.**

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Q. 1 Write short notes on –

- |                |                |                     |                  |
|----------------|----------------|---------------------|------------------|
| a) Program     | b) Motherboard | c) Kernel           | d) Device Driver |
| e) Data Backup | f) Protocol    | g) Virtual Keyboard | e) Clipboard.    |

Q. 2 Differentiate between following –

- |                            |                                  |
|----------------------------|----------------------------------|
| a) Cold Boot and Warm Boot | b) Serial Port and Parallel Port |
| c) RAM and ROM             |                                  |

Q. 3 Write answer

- a) Define Computer. Explain characteristics of computer.
- b) What is WWW ? Mention its important features.
- c) What do you understand by Web Page, Web Site and Web Address ?
- d) What is URL ? What are different types of URL.
- e) What is Touch Typing ? Which keys represent base position in QWERTY Keyboard ?
- f) What is a Word Processor ? Explain its features.

