

GURU GOBIND SINGH PUBLIC SCHOOL

ASSIGNMENT (2020-21)

CLASS -VIII

SUB - English

- 1) Design a poster on the following topics:
  - a) Save environment
  - b) Save tree, save earth
  - c) Save water
  - d) Clean India , Green India
- 2) Write 5 new words from the dictionary along with its meaning. It should be done everyday. Learn the words.(do in stick file)
- 3) Write 20 verbs forms( $v^1$  to  $v^5$ ), 20 antonyms and 20 synonyms in stick file.
- 4) Write 5 notice writing with the help of sample paper(Thin Copy)
- 5) Write five stories, Diary entry and Informal letters with the help of sample paper.(Thin copy)
- 6) Write and learn the rules of the following grammar topics:-  
Sentence, preposition, Tense, Determiners, Active & Passive voice,  
Subject-verb argument & conjunctions. (thin copy)
- 7) Read the lesson in M.C.B from Unit-1 to Unit-4.

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SUB - Maths

1. MCQ
  - i) The additive inverse of  $-78$  is
 

a) $7-8$	b) $-78$	c) $0$	d) $78$
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  - ii) The square root of  $81361$  is
 

a) $910$	b) $1217$	c) $927$	d) $919$
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  - iii) The cube of  $-13$  will be
 

a) $-19$	b) $127$	c) $-127$	d) $-1-27$
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  - iv) The value of  $(38)0+(78)0$  is
 

a) $0$	b) $1$	c) $2$	d) $108$
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2. Express in standard form  $22-55$ .
3. Write the additive inverse of  $-59$ .
4. Write the reciprocal of  $-139$ .
5. Find the value of  $5-3$ .
6. Multiply :  $-45 \times -73$ .
7. Divide :  $49 \div -512$ .
8. Subtract :  $-713$  from  $539$ .
9. Find the five rational number between  $-23$  and  $45$ .
10. The product of two rational numbers is  $23$ . If one of them is  $-78$ . Find the other.
11. A rope of length  $1714\text{m}$  has been cut into  $23$  pieces of equal length. What is the length of each piece?
12. Arrange the rational numbers  $-34, 56, 7-8$  and  $23$  in ascending order.
13. Represent these numbers on number line.
 

i) $53$	ii) $-23$
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14. Evaluate:  $[(32)-2]2 \div (32)-6$
15. Is  $0.21$  the multiplication inverse of  $41621$ ?
16. Without adding, find the sum of following.
 

i) $1+3+5$	ii) $1+3+5+7+9+11$
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17. The area of square field is  $784\text{m}^2$ . Find the length of its side.
18. Find the cube of the following.
19.  $0.05$  ii)  $711$
20. Find the value of  $b$  if:  $43 \times 4b - 2 = 4 - 2$

21. Solve  
 i)  $3-2\times 4-2\times 5-210-2\times 2-2$  ii)  $[(-1)^2]-5\times 60$   
 22. Add the product of  $-45$  and  $10-24$  to the product of  $37$  and  $-2127$ .  
 23. Use method of mean to find 3 rational numbers between 1 and 2.  
 24. Find the smallest square number which can be completely divided by 6, 10, and 12.  
 25. Find the cube root of the following.  
 i) 9261 ii) 4096

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SUB - Physics

*Do in physics note book.*

Match the columns.

Column I

1. Pascal
2. Liquid pressure
3. Measurement of force
4. Weight
5. Fluid

Column II

- a. Spring balance
- b. kg m s
- c. Manometer
- d. Gas
- e.  $\text{N m}^{-2}$

Very Short Answer Type Questions

A. Write one word for each of the following:

1. The force of attraction among all masses in the universe
2. The force that resists the motion of two surfaces with respect to each other
3. Force acting per unit area
4. The envelop of air that surrounds the Earth
5. The force between two electric charges

B. Circle the odd one out.

1. Drinking straw, Dropper, Syringe, Knife
2. Force, Pressure, Area, Volume
3. Push, Slide, Fall, Kick
4. Electrostatic force, Magnetic force, Gravitational force, Frictional force

Short Answer Type Questions

1. Sudhir applies a force of 20 N on an area of  $25 \text{ cm}^2$  of a box. How much pressure does he exert on that box?.
2. When a clay ball is thrown into water, it will sink but when we mould it into boat shape (after drying), it starts floating. Why?
3. Describe the state of motion.
4. Define atmospheric pressure.
5. What is force of friction?

### One Sentence Answer Type Questions

1. If the area of your head is 15 cm x 15 cm, how much air (in weight) would you carry on your head?
2. Why do deep sea divers wear special suits?
3. Take a pencil sharpened at one end and press pencil between your fingers. Which end will hurt more and why?
4. Why do some people suffer from nose bleeding at higher altitudes?
5. Why we cannot walk easily on sand but a camel can easily walk on it?

### Long Answer Type Questions

1. Define force. Describe different types of forces.
2. Prove that the pressure exerted by water at the bottom of the container depends on the height of its column.
3. Explain that liquids exert equal pressure at the same depth,

### Give Reason

1. Cars are designed to have streamlined bodies.
2. Rolling object stops after moving some distance.
3. It is easier to stir a glass of water as compared to a glass of honey,

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CLASS -VIII

SUB - Chemistry

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### Answer the following questions:

1. What are the small molecules which make a chain like molecule of a polymer called?
2. Which fibres are non biodegradable?
3. Mention two main use of polyester fibre?
4. Illustrate with a simple diagram a linear polymer and a cross linked polymer.
5. How does a thermoplastic material differ from a thermosetting material? give one example of each of the thermoplastic and thermosetting material?
6. Mention two advantage and two disadvantage of synthetic fibre?
7. What are biodegradable substance? give two example.
8. Mention a few problem associated with the excessive use of plastics?
9. Which two fibres are blended to obtain terricot?
10. Explain why are the following made up of thermosetting plastic
11. Pressure cooker handle b) electric switches.

Topics Covered :

- Crops
- Steps of agriculture
- Crop Rotation

Answer the following question:

1. What are crops?
2. Explain Rabi and Kharif crops with example.
3. Mention the various steps of agriculture.
4. What is irrigation?
5. Explain the traditional methods of irrigation.
6. Why is ploughing important before sowing of seeds?
7. Differentiate between Manure and fertilizer.
8. What is crop rotation and what is its importance?
9. What are the adverse effects of using fertilizer?
10. What are the precautions to be taken to protect ourselves from Corona Virus?

[NOTE:- Do the given assignment in Biology Notebook. ]

**1. MCQ****i)** 'Renaissance' means

- a) Rebuild                      b) Rebirth                      c) Information                      d) Event

**ii)** The first trading company that established trade links with India

- a) The Dutch                      b) The French                      c) The British                      d) The Portuguese

**iii)** The dual system of government was implemented in

- a) Bihar                      b) Bengal                      c) Orissa                      d) All of these

**iv)** The first Governor General of India was

- a) Warren Hastings                      b) Lord Wellesley                      c) William Bentick                      d) Warren Cornawallis

**v)** Which organ of the government is responsible for making laws and regulations.

- a) Judiciary                      b) Executive                      c) Legislative                      d) All of these

**vi)** The First Governor-General of India was.

- a) Sir Elijah Impey                      b) Lord Wellesley                      c) Warren Hastings                      d) William Bentick

**vii)** Which system of land revenue is also termed as Munro system?

- a) Ryot wari                      b) Ijaradari                      c) Mahalwari                      d) All of these

**viii)** The tenure of the members of Rajya Sabha is

- a) 5 years                      b) 6 years                      c) 3 years                      d) 8 years

**2. Answer the following questions in short.**

- i) What is constitution?
- ii) What is Imperialism?
- iii) Define Nationalism.
- iv) What is Mercantalism?
- v) Name the ruler of Mysore during first Agro-Maratha war.
- vi) Where was dual system of administration introduced?
- vii) Explain the concept of 'Rule of law'.

**3. Answer the following questions in detail.**

- i) What were the chief provisions of the regulatory act of 1773?
- ii) Describe how the subsidiary alliance helped company to expand its territories.
- iii) Explain in detail why it is easier to write history of modern India than Ancient India?
- iv) Describe any three features of constitution.
- v) Name the two houses of the Parliament? Which house reigns supreme?
- vi) Describe atleast three demerits of Permanent system of land revenue.
- vii) What do you know about dual system of government?
- viii) Discuss the civil services under the East India Company?
- ix) Why is the Munro system considered better than the permanent system of land revenue?

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SUB – Geography

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**1. Answer the following questions.**

- a. What do you mean by resources?
- b. What do you mean by value addition?
- c. What is mulching?
- d. Name three layers of soil profile.
- e. What is soil profile?

**2. Differentiate between**

- a. Natural resources and Human resources
- b. Renewable resources and Non-renewable resources

**3. Draw the labelled diagram of 'Soil Profile'.**

[NOTE:- Do the given assignment in Geography Notebook ]

Answer the following questions-

1. What do you understand by computer networking ?.
2. Describe the client server architecture with diagram.
3. Write about internet and intranet.
4. Write the advantages of computer networking.
5. What are the advantages of database ?
6. Define –Primary Key,DBMS,
7. Explain the types of computer networking
8. Define topology.Explain the types of topologies.