



POLE STAR PUBLIC SCHOOL

Sector-7 (Extn.) Gurugram (HR.)

SUMMER HOLIDAY'S HOMEWORK

SESSION: 2025-2026

CLASS – X



Note : Do assignments in the respective subject register.

Do activities of all the subjects in project file.

ENGLISH

SECTION- A (READING)

1. Do worksheet No. 1,2 and 3 of comprehension in practice workbook

SECTION- B (GRAMMAR)

2. Do worksheet No.31,32 and 33 of formal letter in practice workbook.
3. Do worksheet No. 51,52 and 53 of determiners in practice workbook.

SECTION- C (LITERATURE)

4. Answer the following questions in about 30-40 words.

- a) Can you say how 10 May is an 'autumn day' in South Africa?
- b) Why were two national anthems sung?

5. Answer the following questions in about 50 words.

- a) Why is he tempted to keep Tricki on as a permanent guest?
- b) Does Anil realise that he has been robbed?

ACTIVITY

THEME : QUALITY EDUCATION

Project work- Investigate challenges, successes, and potential solutions related to equitable access to quality education(SDG-4), in both Manipur and Haryana using the following hints.

- Particularly for vulnerable populations like girls and those from marginalized communities.
- How both states are working towards the goal of ensuring inclusive and equitable education for all.
- Importance of quality education for sustainable development and its global targets.

1. निम्नलिखित गद्यांश को पढ़कर दिए गए प्रश्नों के उत्तर दीजिए:-

समय एक अनमोल धन है। यह न किसी के लिए रुकता है और न ही किसी के कहने से चलता है। जीवन में सफलता प्राप्त करने के लिए समय का सही उपयोग अत्यंत आवश्यक है। समय का चक्र निरंतर चलता रहता है। जो व्यक्ति समय के साथ चलता है, वह आगे बढ़ता है, और जो समय को व्यर्थ गंवाता है, वह पछताता है। महापुरुषों ने समय के मूल्य को समझा और उसका पूरा लाभ उठाया। जैसे गांधी जी, अब्राहम लिंकन, डॉ. ए.पी.जे. अब्दुल कलाम आदि ने अपने जीवन में समय का सर्वोत्तम उपयोग किया। वे हर पल को कीमती समझते थे और उसे व्यर्थ नहीं जाने देते थे। कुछ लोग समय को हल्के में लेते हैं। वे सोचते हैं कि "कल कर लेंगे" या "थोड़ा और आराम कर लें", लेकिन यही ढिलाई आगे चलकर उनके जीवन में समस्याएँ उत्पन्न कर देती है। समय की बर्बादी का मतलब है—सुनहरे अवसरों की बर्बादी। समय को बांधा नहीं जा सकता, लेकिन उसका नियोजन (planning) किया जा सकता है। हमें चाहिए कि हम एक दिनचर्या बनाएं और उसके अनुसार काम करें। छात्रों को विशेष रूप से समय का उपयोग पढ़ाई, खेलकूद और विश्राम तीनों के लिए संतुलित ढंग से करना चाहिए। याद रखिए, समय गया तो वह लौटकर नहीं आता। इसलिए, हर क्षण का सदुपयोग करें, तभी जीवन में सफलता मिल सकती है।

(i). समय की विशेषता क्या है?

(क) यह रुकता है

(ख) यह बहुत धीरे चलता है

(ग) यह किसी के लिए नहीं रुकता

(घ) यह सभी को समान लाभ देता है

(ii) महापुरुष समय का कैसे उपयोग करते थे? आराम करने में

(क) व्यर्थ बातों में

(ख) समय का सर्वोत्तम

(ग) उपयोग करते थे

(घ) खेलकूद में

(iii) समय की बर्बादी का परिणाम क्या होता है?

(क) खुशी मिलती है

(ख) अवसरों की बर्बादी

(ग) परीक्षा में अच्छे अंक

(घ) स्वास्थ्य अच्छा होता है

(iv) गांधी जी और डॉ. कलाम जैसे महापुरुषों ने समय का क्या महत्व समझाया है?

(v) एक विद्यार्थी को समय का सदुपयोग कैसे करना चाहिए? अपने शब्दों में उत्तर दीजिए।

2. शिक्षा केवल किताबी ज्ञान तक सीमित नहीं होती, बल्कि यह व्यक्ति के संपूर्ण विकास का माध्यम है। एक

शिक्षित व्यक्ति समाज में आत्मविश्वास के साथ जीवन व्यतीत करता है। शिक्षा व्यक्ति को सही और गलत में भेद करना सिखाती है तथा उसमें निर्णय लेने की क्षमता उत्पन्न करती है। यही कारण है कि हर देश की प्रगति का स्तर उसकी शिक्षा प्रणाली पर निर्भर करता है। प्राचीन भारत में शिक्षा का उद्देश्य केवल ज्ञान प्राप्त करना नहीं था, बल्कि चरित्र निर्माण, नैतिक मूल्यों की स्थापना और सामाजिक सेवा की भावना को जागृत करना भी था। गुरुकुल प्रणाली में विद्यार्थी अपने गुरु के सान्निध्य में रहकर जीवन के विविध आयामों को सीखते थे। आधुनिक युग में विद्यालय और विश्वविद्यालयों ने इस परंपरा को नए रूप में आगे बढ़ाया है, लेकिन अब शिक्षा अधिकतर परीक्षा और अंक तक सिमट गई है। आज आवश्यकता है ऐसी शिक्षा की, जो विद्यार्थी में सोचने-

समझने की शक्ति पैदा करे। रटने की बजाय समझने पर ज़ोर हो। शिक्षा का मुख्य उद्देश्य केवल नौकरी पाना नहीं, बल्कि एक अच्छा नागरिक बनना होना चाहिए। जब शिक्षा जीवन के व्यवहारिक पक्षों से जुड़ जाएगी, तभी उसका वास्तविक लाभ समाज को मिलेगा। शिक्षा का महत्व केवल व्यक्ति तक सीमित नहीं होता, वह पूरे राष्ट्र को दिशा देती है। एक शिक्षित समाज ही अपने अधिकारों और कर्तव्यों को पहचान सकता है तथा देश को आगे ले जा सकता है। अतः हमें ऐसी शिक्षा प्रणाली अपनानी चाहिए, जो ज्ञान के साथ-साथ संस्कार भी दे।

(i) प्राचीन भारत में शिक्षा का मुख्य उद्देश्य क्या था?

(क) नौकरी पाना (ख) परीक्षा पास करना (ग) चरित्र निर्माण और सामाजिक सेवा (घ) विदेश यात्रा करना

(ii) आधुनिक शिक्षा प्रणाली में सबसे बड़ी कमी क्या है?

(क) विषयों की अधिकता (ख) विद्यार्थियों की संख्या (ग) केवल अंकों पर ज़ोर (घ) तकनीकी ज्ञान

(iii) शिक्षा का सही उद्देश्य क्या होना चाहिए?

(क) केवल डिग्री प्राप्त करना (ख) नौकरी के अवसर बढ़ाना (ग) अच्छा नागरिक बनाना (घ) विदेश में पढ़ाई करना

(iv) शिक्षा व्यक्ति और समाज दोनों के जीवन को कैसे प्रभावित करती है? गद्यांश के आधार पर उत्तर दीजिए।

(v). आज की शिक्षा प्रणाली में कौन-कौन सी सुधार की आवश्यकता है? अपने विचार व्यक्त कीजिए।

परियोजना कार्य

हरियाणा और मणिपुर में शिक्षा में डिजिटल तकनीकी की भूमिका पर एक परियोजना कार्य चित्र सही बनाइ।

MATHEMATICS

ASSIGNMENT

1. If the HCF of 65 and 117 is expressible in the form $65m - 117$, then find the value of m .
2. Find the largest number which divides 70 and 125, leaving remainders 5 and 8, respectively.
3. Prove that $\sqrt{5}$ is an irrational number.
4. Paths of two roads is given by the equations $2y - x = 8$ and $5y - x = 14$. Represent graphically and find whether they cross each other or not.
5. Find the value of k for which the following system of linear equations have no solutions: $3x + y = 1$ and $(2k - 1)x + (k - 1)y = 2k + 1$.
6. A's present age is to B's present age is 7:9. Twelve years ago, their ages were in the ratio 3:5. When would the ratio of their ages be 6:7?
7. Solve the following equations by elimination method:
$$\begin{aligned} 3x + 2y &= \frac{11}{3} \\ -7x + 5y &= \frac{31}{3} \end{aligned}$$
8. The angles of a triangle are x , y and 40° . The difference between the two angles x and y is 30° . Find x and y .
9. Find the roots of quadratic equation by using quadratic formula: $5x^2 + 13x + 8 = 0$
10. Find the roots of quadratic equation by factorisation method: $3\sqrt{2}x^2 - 5x - \sqrt{2} = 0$
11. A natural number, when increased by 12, equals 160 times its reciprocal. Find the number.
12. Check whether sequence $-10, -6, -2, 2, \dots$ is an AP or not. If yes, then find d .
13. If $a_n = 3 - 4n$, show that a_1, a_2, a_3, \dots form an AP. Also, find its S_{20} .
14. Find the sum of first seven numbers which are multiples of 2 as well as of 9.
15. Find a quadratic polynomial whose sum and product respectively of the zeroes are $(-\frac{3}{2\sqrt{5}}, -\frac{1}{2})$. Also, find the zeroes of the polynomial by factorisation.

ACTIVITY

THEME : QUALITY EDUCATION

16. Draw the image of the State Emblem of Manipur and Haryana on a graph paper using the concept of Cartesian Plane.
17. The image must be symmetric with respect to the Y axis.
18. Write a brief note on the mathematical concepts applied in this such as Symmetry, area of 2D shapes and mirror image etc.
19. Literacy rate (%) for persons in different age groups for rural & urban population as per NSS in tabular form
 - 2007-08
 - 2014

Age Group : Age 5 & above
Age 7 & above
Age 15 & above
All ages

 - Draw bar graph also.

SCIENCE
ASSIGNMENT

1. Which among the following statement(s) is(are) true? Exposure of silver chloride to sunlight for a long duration turns grey due to
(i) the formation of silver by decomposition of silver chloride
(ii) sublimation of silver chloride
(iii) decomposition of chlorine gas from silver chloride
(iv) oxidation of silver chloride
(a) (i) only (b) (ii) and (iii) (c) (i) and (iii) (d) (iv) only
2. Solid calcium oxide reacts vigorously with water to form calcium hydroxide accompanied by liberation of heat. This process is called slaking of lime. Calcium hydroxide dissolves in water to form its solution called lime water. Which among the following is (are) true about slaking of lime and the solution formed?
(i) It is an endothermic reaction
(ii) It is an exothermic reaction
(iii) The pH of the resulting solution will be more than seven (iv) The pH of the resulting solution will be less than seven
(a) (i) and (ii) (b) (ii) and (iii) (c) (i) and (iv) (d) (iii) and (iv)
3. Barium chloride on reacting with ammonium sulphate forms barium sulphate and ammonium chloride. Which of the following correctly represents the type of the reaction involved?
(i) Displacement reaction (ii) Precipitation reaction
(iii) Combination reaction (iv) Double displacement reaction
(a) (i) only (b) (ii) only (c) (iv) only (d) (ii) and (iv)
4. Electrolysis of water is a decomposition reaction. The mole ratio of hydrogen and oxygen gases liberated during electrolysis of water is _____.
5. Which of the following is(are) an endothermic process(es)?
(i) Dilution of sulphuric acid (ii) Sublimation of dry ice
(iii) Condensation of water vapours (iv) Evaporation of water
(a) (i) and (iii) (b) (ii) only (c) (iii) only (d) (ii) and (iv)
6. In the double displacement reaction between aqueous potassium iodide and aqueous lead nitrate, a yellow precipitate of lead iodide is formed. While performing the activity if lead nitrate is not available, which of the following can be used in place of lead nitrate?
(a) Lead sulphate (insoluble) (b) Lead acetate (c) Ammonium nitrate (d) Potassium sulphate
7. Which of the following gases can be used for storage of fresh sample of an oil for a long time?
(a) Carbon dioxide or oxygen (b) Nitrogen or oxygen
(c) Carbon dioxide or helium (d) Helium or nitrogen
8. The following reaction is used for the preparation of oxygen gas in the laboratory
$$2\text{KClO}_3 (\text{s}) \rightarrow 2\text{KCl} (\text{s}) + 3\text{O}_2 (\text{g})$$

Which of the following statement(s) is(are) correct about the reaction?
(a) It is a decomposition reaction and endothermic in nature
(b) It is a combination reaction
(c) It is a decomposition reaction and accompanied by release of heat
(d) It is a photochemical decomposition reaction and exothermic in nature
9. In which of the following chemical equations, the abbreviations represent the correct states of the reactants and products involved at reaction temperature?
(a) $2\text{H}_2(\text{l}) + \text{O}_2(\text{l}) \rightarrow 2\text{H}_2\text{O}(\text{g})$ (b) $2\text{H}_2(\text{g}) + \text{O}_2(\text{l}) \rightarrow 2\text{H}_2\text{O}(\text{l})$
(c) $2\text{H}_2(\text{g}) + \text{O}_2(\text{g}) \rightarrow 2\text{H}_2\text{O}(\text{l})$ (d) $2\text{H}_2(\text{g}) + \text{O}_2(\text{g}) \rightarrow 2\text{H}_2\text{O}(\text{g})$
10. Which of the following are combination reactions?
(i) $2\text{KClO}_3 \rightarrow 2\text{KCl} + 3\text{O}_2$ (ii) $\text{MgO} + \text{H}_2\text{O} \rightarrow \text{Mg}(\text{OH})_2$
(iii) $4\text{Al} + 3\text{O}_2 \rightarrow 2\text{Al}_2\text{O}_3$ (iv) $\text{Zn} + \text{FeSO}_4 \rightarrow \text{ZnSO}_4 + \text{Fe}$
(a) (i) and (iii) (b) (ii) and (iv) (c) (iii) and (iv) (d) (ii) and (iii)

Short Answer Questions

11. Write the balanced chemical equations for the following reactions and identify the type of reaction in each case.
- (a) Nitrogen gas is treated with hydrogen gas in the presence of a catalyst at 773K to form ammonia gas.
 - (b) Sodium hydroxide solution is treated with acetic acid to form sodium acetate and water.
 - (c) Ethanol is warmed with ethanoic acid to form ethyl acetate in the presence of concentrated H_2SO_4 .
 - (d) Ethene is burnt in the presence of oxygen to form carbon dioxide, water and releases heat and light.
12. Write the balanced chemical equations for the following reactions and identify the type of reaction in each case.
- (a) Thermite reaction, iron (III) oxide reacts with aluminium and gives molten iron and aluminium oxide.
 - (b) Magnesium ribbon is burnt in an atmosphere of nitrogen gas to form solid magnesium nitride.
 - (c) Chlorine gas is passed in an aqueous potassium iodide solution to form potassium chloride solution and solid iodine.
 - (d) Ethanol is burnt in air to form carbon dioxide, water and releases heat.
13. Which part of alimentary canal receives bile from?
- (a) Stomach (b) Small intestine (c) Large intestine (d) Oesophagus
14. A few drops of iodine solution were added to rice water. The solution turned blue-black in colour. This indicates that rice water contains
- (a) complex proteins (b) simple proteins (c) fats (d) starch
15. In which part of the alimentary canal food is finally digested?
- (a) Stomach (b) Mouth cavity (c) Large intestine (d) Small intestine
16. Choose the function of the pancreatic juice from the following
- (a) trypsin digests proteins and lipase carbohydrates
 - (b) trypsin digests emulsified fats and lipase proteins
 - (c) trypsin and lipase digest fats
 - (d) trypsin digests proteins and lipase emulsified fats
17. When air is blown from mouth into a test-tube containing lime water, the lime water turned milky due to the presence of :
- (a) oxygen (b) carbon dioxide (c) nitrogen (d) water vapor
18. Why is blood circulation in human heart called double circulation?
19. What is the advantage of having four chambered heart?
20. Mention the major events during photosynthesis
21. In each of the following situations what happens to the rate of photosynthesis?
- (a) Cloudy days (b) No rainfall in the area
 - (c) Good manuring in the area (d) Stomata get blocked due to dust
22. Name the energy currency in the living organisms. When and where it is produced.

ACTIVITY

THEME : QUALITY EDUCATION

To understand the role of science in achieving SDG 4 – Quality Education, and to explore innovative, scientific ways to promote inclusive, equitable, and quality education.

Instructions:

1. Create a project file on comparative study between Manipur and Haryana, about how they promote access to education through science and technology (e.g., a low-cost solar-powered classroom setup, a water-powered generator for rural schools, Braille reading tool, etc.).

2. The project should include the following points-

- What is SDG 4? Why is it important in India's context?
- What is Quality Education?
- Case Study: Quality Education in Manipur
- Case Study: Quality Education in Haryana
- Comparison Table: Manipur vs Haryana
- What challenges do both states face in quality education in schools?
- What solutions or innovations are being used?
- Role of Youth and Students in Promoting SDG 4
- Conclusion: Can India achieve SDG 4 by 2030?

SOCIAL SCIENCE

ASSIGNMENT

Write and learn all questions of Nationalism in Europe.

Portfolio :-

- Prepare a collage
Allegory of French , Germany, India Explain the symbols
- Locate in map of India :
- Major International Port
Amritsar , Delhi, Mumbai ,Chennai , Kolkata ,Hyderabad (With there name)

Sea Ports : Kandla, Mumbai , Marmagao ,New Mangalore ,Chennai ,Vishakhapatnam , Kochi, Tuticorin, Haldia, Paradip

ACTIVITY

THEME : AFFORDABLE AND CLEAN ENERGY

Project Work :

Roll No. 1 to 7 – Sustainable Development Roll No. 8 to 15 – Consumer Awareness
Roll No. 16 to 22 – Social Issues

Quality Education: Education system of Haryana and Manipur Which steps should be taken by the both Govts to give quality education to the girls.

INFORMATION TECHNOLOGY

ASSIGNMENT

1. Define Sustainable Development.
2. Name the four objectives of sustainable development.
3. Why should an entrepreneur be open-minded?
4. What are the two key concepts of sustainable development?
5. How does sustainable development ensure economic growth?
6. Define the term 'agricultural entrepreneurship'. How are farmers benefited from it?
7. Define: a) Fill Format Mode b) Styles
8. Differentiate between Paragraph Styles and Character Styles.
9. List the two ways to create a new style in writer.
10. What are the advantages of using styles?

Competency Based Questions.

- a) The school canteen throws away some leftover food everyday in the garbage bin. Is there any way to simultaneously reduce the garbage and sustainably reuse the leftovers?
- b) Sandeep and three of his friends are starting a new business. List the two suggestions that you think will help them in making their new venture successful.
- c) Sakshi helps her younger brother in school work, Recently, She observed that her brother is not taking the corrections and suggestions that were given by Sakshi in a serious manner. She is not sure if she is communicating with her brother correctly.

Suggest any effective communication method to Sakshi to help her solve this problem.

ACTIVITY

THEME : QUALITY EDUCATION

PORTFOLIO (Take the Printout) SDG 4 Quality Education

Prepare brochures for Haryana Digital Literacy Program in Libre Office Writer and take a printout.

PHYSICAL EDUCATION

CHAPTER 10

- Write about First Aid write priorities also & CPR

Link : <https://epathshala.nic.in/wp-content/doc/book/flipbook/Class%20X/1077Health%20and%20Physical%20Education-X/jehp110/index.html>

YOGA

- Perform Surya Namaskar.
- Write steps & benefits also.
- Click photo while performing and paste in project file.

