

Holiday Homework

Class. - IX

Subject. – English

(A) Do following ASSIGNMENT in your NB

- 1). How did Evelyn's determination pave her journey of a successful musician?
- (2). When did Bismillah Khan get a 'big break' in music?
- (3). What opinion do you form of the poet's character from the poem 'The Road not Taken'?
- (4). What do the wind and fire symbolise?
- (5). Who saved the child at the shrine? How?
- (6). Were the parents justified in not buying anything for their child? Give reason.
- (7). Describe the encounter between grandfather and the ticket collector at Saharanpur railway platform.
- (8). Was the narrator's grandfather dominated by his wife or did he try to simply avoid conflict? Discuss.
- (9). Grandfather's decision to bring Toto home turned out to be a very costly mistake. How?
- (10). Discuss the kind of relationship Mahendra and Iswaran share in the story.
- (11). We often read news of young children getting lost in fairs and similar public gatherings. Write an Article in about 130 words suggesting a few tips to ensure that children do not get lost and if they unfortunately do, how they can be rescued and reunited with their parents.
- (12). What snag did Margie' s teacher develop and how was it rectified? How did Margie' feel about it?
- (13). "" Evelyn was not disabled. She was differently abled." Do you agree? Why/ why not?
- (14). If you are asked to speak in a conference on one aspect of Bismillah Khan's personality, what will you speak and why?
- (15). Darwin gave his theory of " the survival of the fittest". How does the poem ' Wind' support the theory?

(B) Prepare a MAGAZINE of around 15 pages including different columns like Entertainment, Sports, Cookery, Astrology, Story etc. Also give it a creative title. It is a group activity for 4-6 students in a group. (Size- A4)

(C) Use following words from your text books to write a creative story with illustrations. Individual activity. (Size – A3 , 1 or 2 sheets)

- | | |
|-----------------------|-----------------------|
| (i) Invisible | (vi) Murmur |
| (ii) Dizzy | (vii) Suppress |
| (iii) Persuasively | (viii) Cunning |
| (iv) Conceal | (ix) Resonance |
| (v) Workaholic | (x) Apprentice |

HINDI

1 हरियाणा और मणिपुर की कला एवम संस्कृति का एक तुलनात्मक व सचित्र एलबम तैयार करें

(A 4 शीट पर)

2 लघुकथा शीर्षक के अंतर्गत पांच लघु कहानियों का संकलन करे। A 4 शीट पर

3 खेल =खेल में हिंदी शीर्षक के अंतर्गत शब्दों के रोचक खेल तैयार करें। जैसे विलोम शब्द वाले प्रसिद्ध

गीत /गीत की पंक्तियों से अलंकार छांटना,उपसर्ग प्रत्यय,शब्द पहेली से समास खोजना आदि।

Assignment (solve it in your notebook)

(क)निम्नलिखित प्रश्नों में से सही विकल्प चुनकर लिखिए

प्रश्न 1 लोग ईश्वर को ढूँढते हैं?

(क) मंदिर में (ख) मसजिद में (ग) काबा और कैलाश में (घ) उपरोक्त सभी जगह

प्रश्न 2 ईश्वर कहाँ रहता है?

(क) मूर्ति में (ख) काशी में

(ग) प्राणी के हृदय में (घ) काबा में

प्रश्न 3.हम ईश्वर को क्यों नहीं देखते हैं।

(क) क्योंकि हम अपने अंतःकरण को नहीं टटोलते (ख) क्योंकि हम मूर्तिपूजा नहीं करते

(ग) क्योंकि हम तीर्थ यात्रा नहीं करते

(घ) क्योंकि हम अपने को बहुत ज्ञानी समझते हैं

प्रश्न 4.कबीर ने इस पद में किस बात पर जोर दिया

(क) मूर्तिपूजा पर (ख) तीर्थयात्रा पर

(ग) पीतांबर धारण करने पर

(घ) ईश्वर का अपने हृदय में ध्यान करने पर

प्रश्न 5. कबीरने किन किन का खंडन किया है

(क) ईश्वर रचना में है(ख) ईश्वर तीर्थों में बसता है (ग) ईश्वर काबा या कैलाश में है

(घ) सभी का खण्डन किया है

प्रश्न 6 ईश्वर कहाँ रहता है?

(क) मूर्ति में (ख) काशी में

(ग) प्राणी के हृदय में(घ) काबा में

प्रश्न 7. हम ईश्वर को क्यों नहीं देखते हैं।

(क) क्योंकि हम अपने अंतःकरण को नहीं टटोलते(ख) क्योंकि हम मूर्तिपूजा नहीं करते

(ग) क्योंकि हम तीर्थ यात्रा नहीं करते

(घ) क्योंकि हम अपने को बहुत ज्ञानी समझते हैं

प्रश्न 8 कबीर ने किस बात पर जोर दिया

(क) मूर्तिपूजा पर (ख) तीर्थयात्रा पर

(ग) पीतांबर धारण करने वाले

(ख) निम्नलिखित प्रश्नों के संक्षिप्त उत्तर दीजिए

1) कबीर ने 'मैं' और 'तेरे' किसके लिए प्रयोग किया है ?

2) मानसरोवर से कवि का क्या आशय है?

3) सब विष -अमृत हुए काव्य पंक्ति का क्या आशय है?

4) 'झख मारी' कहकर कबीर जी क्या समझाना चाहते हैं ?

5) "खोजी हुए तो तुरंतै मिलिहो " से कवि का क्या आशय है?

6) काबा और काशी के महत्व को कवि ने किस प्रकार प्रतिपादित किया है ? उन में क्या समानता है ?

7) निरपेक्ष होने से कवि का क्या आशय है?

8) ऊंचा कहलाने का अधिकार किसको है?

MATHS

1 Prepare the **art integration project** for comparison of area and population of Haryana and Manipur states.

2. Do the following assignment

1 Find p if $x-2$ is a factor of $x^3 - 2x^2 + px - 3$

2 Find what must be subtracted from $2x^4 - 4x^3 + 4x^2 - 4x + 3$ so that polynomial is exactly divisible by $x^2 + x + 1$

3 Find a and b such that $x^2 - 2x - 3$ is a factor of $x^3 - 3x^2 + ax - b$

4 If $x-2$ and $x + \frac{1}{2}$ are factors of the polynomial $px^2 + 4x + r$, show that $3p + 16 = 3r$

5 Write the following numbers in p/q form.

(i) 1.272727..... (ii) 0.235353535.....

6 If a and b are rational numbers and $(5+2\sqrt{3}) / (7-4\sqrt{3}) = a - b\sqrt{3}$, find the values of a and b.

7 if $x = 2 - \sqrt{3}$, find the value of $(x - \frac{1}{x})^3$

8 If $a = 5 + 2\sqrt{6}$, then find the value of $a^2 + (\frac{1}{a})^2$

9 If $P = \frac{\sqrt{5}-\sqrt{3}}{\sqrt{5}+\sqrt{3}}$ and $q = \frac{\sqrt{5}+\sqrt{3}}{\sqrt{5}-\sqrt{3}}$, find the value of $p^2 + q^2$

10 Show that $1 / (1 + X^{a-b}) + 1 / (1 + X^{b-a}) = 1$

11 Find the value of $(256)^{0.16} \times (256)^{0.09}$

12 If $x+4$ is a factor of $x^3 - x^2 - 14x + 24$, find its other factors.

13 Find the value of p for which the polynomial $x^3 + 4x^2 - px + 8$ is exactly divisible by $x-2$. Hence factorise the polynomial.

14 using proper identity factorise $a^3 - b^3 + 1 + 3ab$

15 Without actually calculating the cubes, factorise $(x-y)^3 + (y-z)^3 + (z-x)^3$

16 If $2a - 3b = 3$ and $ab = 2$, find the value of $8a^3 - 27b^3$

Prepare model of

A) Squareroot spiral B) $(a+b)(a+b)$ C) $\sqrt{6} \sqrt{61}$ on number line.

SCIENCE

Activity

Q-1) Make a model or 3-D chart on any one of the topic:

- a)** Sublimation b)Evaporation C)States of matter
OR

Q-2) Make a Pictionary of 10 new words related to chemistry from the chapters of NCERT and also paste pictures or draw diagrams related to the topic on A-4 sheets.

OR

Q-3) Make a model showing different types of motion

OR

Q-4) Make a model of Prokaryotic cell and Eukaryotic cell.

OR

Q-5) Write the contribution of the following scientists in the study of cell.

- a)** Purkinje. B) Leuwenhoek. C) Robert Brown. D) Schleiden & Schwann

Chemistry Assignment

Q 1: Account for the following

- a)** Dogs generally hang out their tongue in summer
b) Smell of lighted incense stick spreads several meters away
c) Sponge though compressible is a solid

Q2: Water as ice has a cooling effect where as water as steam may cause severe burns. Explain these observations.

Q3: Discuss the effect of increasing temperature and pressure on the liquid state of a substance. Are these effects similar? If not assign reasons.

Q4: 5ml of water was taken in a test tube and china dish separately. These samples were then kept under different conditions as below

Both the samples are kept under a fan

Both the samples are kept inside a cupboard

- a)** State in which case evaporation will be faster? give reasons
b) How will the rate of evaporation change if above activity is carried out on a rainy day? Justify

Q5: Explain how will you separate Ammonium chloride and common salt using sublimation

Q6: Write an activity to prove that liquids of different densities diffuse at different states.

Q7: All of us are familiar with LPG cooking gas cylinder used at home

- a) What is the full form of L.P.G?
- b) What is it composed of?
- c) In what form gas is stored? What are the factors responsible for it?
- d) What is the change observed when regulator is opened? Why?

Q8: Convert

- a) 50°C to Kelvin
- b) 345 K to °C

Biology ASSIGNMENT

Given below are four options against each question. Choose the option which you consider the most appropriate as your answer.

1. Which of the cell organelles is involved in membrane biogenesis?

- (a) Ribosome (c) Golgi body
- (b) Endoplasmic Reticulum (d) Peroxisome

2. When a plant cell is placed in a hypertonic solution, it undergoes:

- (a) No change (c) Deplasmolysis
- (b) Plasmolysis (d) Replasmolysis

3. Amoeba acquires its food through a process, termed:

- (a) Exocytosis (c) Plasmolysis
- (b) Endocytosis (d) a and b both

4. The cell organelle involved in forming complex sugars from simple sugars

- (a) Endoplasmic Reticulum (b) Plastids
- (c) Ribosomes (d) Golgi apparatus

5. Which of the following are covered by a double membrane

- (a) Mitochondria (b) Plastid
- (c) Vacuole (d) a and c

Answer the following questions

1. What is chromosome?
2. Define plasmolysis.
3. Why ATP is called energy currency of the cell?
4. Which factor determines the shape and size of the cell?
5. What is gene?
6. What is lacking in a virus which makes it dependent on living cell to multiply? Give reason.
7. Lysosomes are a kind of waste disposal system of a cell. Justify the statement.

Physics Assignment

1. A particle is moving in a circle of diameter 5m. Calculate the distance covered and the time when it completes 3 revolutions.
2. A body thrown vertically upwards reaches a maximum height 'h'. It then returns to ground. Calculate the distance travelled and the displacement.
3. A body travels a distance of 15m from A to B and then moves a distance of 20m at right angles to AB. Calculate the total distance and the displacement.
4. An object is moving in a circle of radius 'r'. Calculate the distance and displacement
 - (i) when it completes half the circle
 - (ii) when it completes one full circle.
5. An object travels 16m in 4s and turns another 16m in 2s. What is the average speed of the object?
6. Vishnu swims in a 90m long pool. He covers 180m in one minute by swimming from one end to the other and back along the same straight path. Find the average speed and average velocity of Vishnu.
7. In a long distance race, the athletes were expected to take four rounds of the track such that the line of finish was same as the line of start. Suppose the length of the track was 200m.
 - (a) What is the total distance to be covered by the athletes?

- (b) What is the displacement of the athletics when they touch the finish line?
- (c) Is the
- (d) motion of the athletics uniform or non-uniform?

- (e) Is the displacement of an athletic and the distance covered by him at the end of the race equal?

8. Starting from a stationary position, Rahul paddles his bicycle to attain a velocity of 6m/s in 30s.

Then he applies brakes such that the velocity of bicycle comes down to 4m/s in the next 5s. Calculate the acceleration of the bicycle in both the cases.

SOCIAL SCIENCE

1. Prepare a project file on causes, effects and management of natural disasters (earthquake, floods, cyclones, landslides etc)
2. Prepare an art integrated project on state legislature of Haryana and Manipur. (including information about total number of seats, ruling party, C.M., ministers etc.)
3. Solve the given assignment on A4 sheets.

ASSIGNMENT-

1. Why is democracy called the best form of government?
2. What are the demerits of a democracy?
3. How does democracy improve the quality of decision making?
4. What is representative democracy?
5. Explain the broader meaning of democracy.
6. What do you mean by people as a resource?
7. Describe the main features of MGNREGA 2005.
8. What is the role of education in making people as a resource?

9. Differentiate between market and non market activities.
10. How is unemployment an indicator of a depressed economy?

A.I

1. PREPARE A CHART OF A.I

2.ASSIGNMENT:

1. Who is the “Father of Artificial Intelligence”?
 - a. Fisher Ada
 - b. Alan Turing

 - c. John McCarthy
 - d. Allen Newell
- 2.The_____ approach was designed to judge whether a machine could or could not display artificial intelligence.
 - a. Boolean Algebra
 - b. Turing Test
 - c. Logarithm
 - d. Algorithm
3. Artificial Intelligence is divided into which of the following branches?
 - a. Machine Learning
 - b. Cyber forensics
 - c. Full-Stack Developer
 - d. Network Design
4. The important principle that artificial intelligence embraces is holistic inclusive and progressive development in immersive ways by _____.
 - a. Problem solving
 - b. Creative thinking
 - c. Critically Analyzing data
 - d. All of the above

5.. Identify the pedagogy of AI

- a. Activity Based
- b. Experiential learning
- c. Inquiry Based learning
- d. All of the above

6.The stages of the AI project cycle are _____.

- a. Problem Scoping & Data Acquisition
- b. Data Exploration & Modeling
- c. Evaluation
- d. All of the above

7. How you can identify the problem scoping in the project.

- a. Understand why the project was started
- b. Define the project's primary objectives
- c. Outline the project's work statement.
- d. All of the above

8.. Give the example of a source where you can acquire the data?

- a. Sustainable development goals
- b. Environment
- c. Agriculture
- d. All of the above

9.. What are the 4 W's of problem scoping _____ in AI.

- a. Who & What
- b. Where
- c. Why
- d. All of the above

10. _____ element helps us to understand and categorize who is directly and indirectly affected by the problem.

- a. Who
- b. What
- c. Where
- d. Why