Holidays Homework   Class-9th

Subject: Maths

Worksheet for practice

1) Linear equation x – 2 = 0 is parallel to which axis ?
2) If (1, -2) is a solution of the equation 2x – y = p, then find the value of p.
3) Add $2\sqrt{2}+ 5\sqrt{3}$ and $\sqrt{2} – 3\sqrt{3}$.
4) Find the value of k for which x = 0, y =8 is a solution of 3x – 6y = k.
5) Cost of a pen is two and half times the cost of a pencil. Express this situation as a Linear equation in two variables
6) Rationalise the denominator of $1/[7+3\sqrt{3}]$.
7) Express x in term of y : x/7 + 2y = 6
8) Represent $\sqrt{9.3}$ on the number line.
9) What is the value of $(256)^{0.16}$ X $(256)^{0.09}$?
10) Find the perpendicular distance of point (5,7) from y axis?

11) An one day international cricket match, Raina and Dhoni together scored 198 runs. Express the statement as a linear equation in two variables

12) Find point whose abscissa is 5 and lying on X axis

13) Plot the following points and check whether they are collinear or not (1, 3), (– 1, – 1), (– 2, –1)
14) What is the name of the horizontal and the vertical lines drawn to determine the position of any point in the Cartesian plane

15) Without plotting the points indicate the quadrant in which they will lie, if
    i)the ordinate is 5 and abscissa is – 3

ii) (-5,-3)   iii) (5,3)   iv)(5,3)

Art Integrated Maths part
Lok sabha election 2024 Collect data and draw
Bar graphs of number of seats by regional parties in Punjab and odisha

S.E.A. - 1.To draw square root spiral on assignment sheet
Activity: Do On lab manual
1.To obtain mirror image of given geometrical figure with respect to X axis and Y axis.
2. To verify $a^3-b^3=(a-b)(a^2+ab+b^2)$
(Pic will be sent in class group)

 Revise Ch-1,2,3,4 including examples and extra questions for UT-1

Subject: - Science
1) Draw animal cell and plant cell diagram on chart also level its various organelles
Solve the following assignment of chemistry
Q.1. In which of the following conditions, the distance between the molecules of hydrogen gas would increase?
(i) Increasing pressure on hydrogen contained in a closed container
(ii) Some hydrogen gas leaking out of the container
(iii) Increasing the volume of the container of hydrogen gas
(iv) Adding more hydrogen gas to the container without increasing the volume of the container
(a) (i) and (iii)
(b) (i) and (iv)
(c) (ii) and (iii)
(d) (ii) and (iv)

Q.2 When a gas jar full of air is placed upside down on a gas jar full of bromine vapours, the red-brown vapours of bromine from the lower jar go upward into the jar containing air. In this experiment:
(a) Air is heavier than bromine
(b) Both air and bromine have the same density
(c) Bromine is heavier than air
(d) Bromine cannot be heavier than air because it is going upwards against gravity

Q.3. A form of matter has no fixed shape but it has a fixed volume. An example of this form of matter is
(a) Krypton
(b) Kerosene

(c) Carbon steel

(d) Carbon dioxide

Q.4. Which one of the following statements is not true?

(a) The molecules in a solid vibrate about a fixed position

(b) The molecules in a liquid are arranged in a regular pattern

(c) The molecules in a gas exert negligibly small forces on each other, except during collisions

(d) The molecules of a gas occupy all the space available

Q.5. The correct procedure of heating iron-sulphur mixture to prepare iron sulphide is:

(a) Heat the powder mixture at the base of the test tube using a blue flame throughout.

(b) Heat the iron filings and sulphur mixture in the middle of the test tube using yellow flame throughout.

(c) Heat the powder mixture at the top of the test tube using an orange flame throughout.

(d) Heat the iron filings-sulphur mixture at 3/4 quarters of the test tube using a red flame throughout.

Q.6. When water at 0°C freezes to form ice at the same temperature of 0°C, then it:

(a) Absorbs some heat

(b) Releases some heat

(c) Neither absorbs nor releases heat

(d) Absorbs exactly 3.34×10^5 J/kg of heat

Q.7. When heat is constantly supplied by a burner to boiling water, then the temperature of water during vaporisation:

(a) Rises very slowly

(b) Rises rapidly until steam is produced

(c) First rises and then becomes constant

(d) Does not rise at all

Q.8. Which one of the following set of phenomena would increase on raising the temperature?

(a) Diffusion, evaporation, compression of gases

(b) Evaporation, compression of gases, solubility

(c) Evaporation, diffusion, expansion of gases

(d) Evaporation, solubility, diffusion, compression of gases

Q.9. On converting 308 K, 329 K and 391 K to Celsius scale, the correct sequence of temperatures will be:

(a) 33°C, 56°C and 118°C

(b) 35°C, 56°C and 119°C

(c) 35°C, 56°C and 118°C

(d) 56°, 119°C and 35° C

Q.10. Which of the following phenomena always results in the cooling effect?

(a) Condensation

(b) Evaporation

(c) Sublimation

(d) None of these

Que-11 Explain why; diffusion occurs more quickly in a gas than in a liquid.

Que-12 When a crystal of potassium permanganate is placed at the bottom of water in a beaker, the water in the whole beaker turns purple on its own, even without stirring. This is an example of:

(a) distribution

(b) intrusion

Que-13 What do you understand by the term 'latent heat'? What are the two types of latent heat?

Que-14 Why is heat energy needed to melt a solid? What is this heat energy called?

Que-15 Why is solid carbon dioxide known as dry ice?

Que-16 Why does the temperature remain constant during the melting of ice even though heat is supplied continuously?

Que-17 Why does the temperature remain constant during the boiling of water even though heat is supplied continuously?

Que-18 Which contains more heat, 1 kg of ice of 0° C or 1 kg of water at 0° C? Give reason for your answer.

Que-19 Why does the temperature of a substance remain constant during the change of state?

Que-20 Why does all the water of the earth not get evaporated during hot summer days?

Physics

Solve the following numerical: -

Q1. A bus moving with uniform speed from Chandigrah to Delhi by covering a distance of 240km in 6h and returns back with unform speed in 5h. Calculate average speed of the bus.

Q2. A train moving with uniform speed between two stations cover a distance of 5000km in 50h and returns back with unform speed in 45h. Calculate average speed of the train.

Q3. An Aeroplan moving with uniform speed between two airports cover a distance of 5000km in 10h and returns back with unform speed in 15h. Calculate average speed of the Aeroplan.

Q4. An ant covers 100cm in 20min with uniform speed and returns back in 25min with uniform speed. Calculate the average speed of the ant.

Q5. A bus moving with uniform speed from Chandigrah to Delhi by covering a distance of 240km in 6h and from Dehli to Calcutta 230km with unform speed in 5h. Calculate average speed of the bus in SI system.

Q6. A train, moving with uniform speed, covers 5000km 50h and other 4000km with unform speed in 40h. Calculate average speed of the train in km/h and in m/s.

Q7. An Aeroplan moves for 3h with uniform speed of 500km/h and returns back with unform speed in 2h. Calculate average speed of the Aeroplan.

Q8. An ant covers 100cm in 20min with uniform speed and returns back in with uniform speed of 0.5m/s. Calculate the average speed of the ant.

Q9. A bus moving with uniform speed of 60km/h travels some distance in 6h and returns back with unform speed in 5h. Calculate average speed of the bus.

Q10. An Aeroplan moves for 3h with uniform speed of 500km/h and returns back with unform speed of 600km/h. Calculate average speed of the Aeroplan.

Q11. An ant covers 100cm with uniform speed of 25cm/s and returns back in with uniform speed of 0.5m/s. Calculate the average speed of the ant.

Q12. A train moving with uniform speed of 120km/h covers 5000km and then with 100km/h for 40h. Calculate average speed of the train in km/h and in m/s.

Q13. An Aeroplan accelerates from 150km/h to 250 km/h in 3 h. Calculate acceleration of the Aeroplan and distance travelled during this time.

Subject:-Hindi

1आर्ट इंटीग्रेटेड एक्टिविटी पंजाब और उड़ीसा की फसलें

2 शब्द और पद पर।   असाइनमेंट तैयार करें

3. पालतू जीव जंतुओं पर चित्र लगाकर असाइनमेंट तैयार करें।

4. पाठ तुम कब जाओगे अतिथि में से कोई 10 मूल्यपरक प्रश्न उत्तर अपनी उत्तर पुस्तिका

        पर लिखें।

5 पूरे जुलाई तक के पाठ्यक्रम की दोहराई करें।

Subject:Punjabi

Assignment - ਅਲੱਗ ਅਲੱਗ ਵਹਿਮਾਂ-ਭਰਮਾਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਦਿੰਦੇ ਹੋਏ ਤਸਵੀਰਾਂ ਲਗਾ ਕੇ ਅਸਾਈਨਮੈਂਟ ਤਿਆਰ ਕਰੋ।

Art Integrated Project - ਪੰਜਾਬ ਤੇ ਉੜੀਸਾ ਦੇ ਮੇਲੇ ਅਤੇ ਤਿਉਹਾਰ ਦੀ ਤੁਲਨਾ ਕਰਦੇ ਹੋਏ ਪ੍ਰੋਜੈਕਟ ਤਿਆਰ ਕਰੋ।

Learn and Write On Your Fair Notebook:-

- ਨਿੱਜੀ ਪੱਤਰ - 1 ਤੋਂ 4
- ਲੇਖ -
    o ਮਿਠਤੁ ਨੀਵੀਂ ਨਾਨਕਾ
    o ਸੋ ਕਿਉ ਮੰਦਾ ਆਖੀਐ
    o ਨਾਨਕ ਦੁਖੀਆ ਸਭ ਸੰਸਾਰ
    o ਮੇਰਾ ਮਨਪਸੰਦ ਅਧਿਆਪਕ
    o ਕਿਸੇ ਇਤਿਹਾਸਿਕ ਸਥਾਨ ਦੀ ਯਾਤਰਾ

Revise Syllabus Only -

ਕਵਿਤਾ - ਸਮਾਂ, ਮੈਂ ਪੰਜਾਬੀ, ਵਿਸਾਖੀ ਦਾ ਮੇਲਾ

ਕਹਾਣੀ - ਜਨਮਦਿਨ

ਨਿਬੰਧ - ਵਹਿਮੀ ਤਾਇਆ

ਵਿਆਕਰਨ - ਵਿਰੋਧੀ ਸ਼ਬਦ, ਲਿੰਗ ਬਦਲੋ

Subject. Social science

Art.Integrated.learning.

Topic. Natural vegetation and wildlife.

Compare Punjab and Odisha.

ART INTEGRATED LEARNING.

Draw . Primary. Secondary and Tertiary activities.

ART EDUCATION.

SKETCHING.

Draw a Sketch of Napolean/Hitler

Write their achievements.

Syllabus.For UT1.

History

1.French revolution

2.Socialism in Europe & Russian revolution.

Economics.

1.Story of village palampur.

Political science.

1.What is democracy.ehy democracy.

Geography.

1.India it's size and location.

2.Physical features of India.

Complete your notebook.

Subject:-English

1. ART INTEGRATED ACTIVITY- Prepare a PPT. Also show Visual forms of dance in PPT

Topic: Various Dance Forms of Punjab and Orisha
HINTS:
 Dance forms of ODISHA:
 Chhau, Odissi, Gotipua, Ghumra, Ranapa, Chaiti Ghoda, Sambalpuri folk dance, Bagha Nacha, Paika Nrutya
Dance forms of PUNJAB :
Bhangra, Gidda, Sammi, Teeyan, Jhu mar, Gatka, Dhamal, Luddi, Kikili, Julli
2. Complete Worksheet 18-22 on Bravia
3. Multiple Assessment -1 (Mindmaps) Imagine the school in the story 'The Fun They Had'. Compare it with your own school. Given below are two outlines for Mind Maps. Fill these with words that you can think of in the two situations.

2. Imagine the school in the story 'The Fun They Had'. Compare it with your own school. Given below are two outlines for mindmaps. Fill these with words that you can think of in the two situations.

Margie's School	Your School
Place	Place
Teacher/s	Teacher/s
Learning activities in school	Learning activities in school
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

(Submit the assignment when the school opens)

4. Read the lesson thoroughly- "The Little Girl"   Multiple Assessment-2 (Class Discussion) : Opening Page The story of 'The Little Girl', in Beehive, is about the changing attitude of a girl child towards her father. (The assessment will be taken in class)

5. Multiple Assessment-3 (VISUAL REPRESENTATION:) Forecast maps that contain information about wind, rain, and temperature (Students need to make signs and symbols on a map showing Wind, Rain and Temperature of a particular place and paste it on an A 3 Assignment Sheet. (After the vacation are over, students are required to give presentation in the class)

6. Read Competency based Question answers from Bravia for (UT-1