

Pt.Yad Ram Secondary Public School

9th Class

Holiday Homework 2021-22

• ***Social Studies***

1. Do all the written work in your fair register and also learn the same .

2. Show the following on the Physical map of India :-

A) The island groups of India lying in the Arabian Sea and the Bay of Bengal.

B.) The countries constituting Indian subcontinent

C.) The states through which the Tropic of cancer passes.

D.) The northernmost latitude in degrees.

E.) The southernmost latitude of the Indian mainland in degrees.

F.) The eastern and the westernmost longitude in degrees.

3. On an outline map of India show all the Indian states with their capitals.

• ***Science***

1. When 50 g of sugar is dissolved in 100 mL of water, there is no increase in volume. What characteristic of matter is illustrated by this observation?

2. Name the process which occurs when a drop of dettol is added to water.

3. To which physical state of matter do the following statements apply?

(i) Incompressible, no fixed shape

(ii) Compressible, no definite volume

4. Name the state of matter in which:

(i) Layers of particles can slip and slide over one another easily.

(ii) Particles just move around randomly because of very weak force of attraction.

5. In which of the following, the particles have highest forces of attraction?

Water, NaCl (solid), ice or, wax.

6. Why do the gases exert more pressure on the walls of the container than the solids?

7. Why are gases compressible but not liquids?

8. Why steam at 100°C is better for heating purposes than water at 100°C ?

9. Why does the temperature of a substance remain constant during its melting point or boiling point?

10. What do you understand by the term 'latent heat of fusion'? How much is the latent heat of fusion of ice?

11. Which gas is called dry ice? Why?

12. Why do the doctors advise to put strips of wet cloth on the forehead of a person having high fever?

13. 16 m of distance covers by an object in 5 sec and next 16 m is covers in 7 sec, calculate the average speed of the object in,

(i) m/s

(ii) km/h

14. A particle is moving in a circular path of radius 100 cm. What would be the displacement after 2 min 20 sec circle, it take 40 sec to complete one revolution?

15. Write the differences between the following

(i) Uniform and Non uniform motion

(ii) Distance and Displacement

(iii) Speed and Velocity

16. Joseph jogs from one end A to the other end B of a straight 300 m road in 2 minutes 30 seconds and then turns around

and jogs 100 m back to point C in another 1 minute. What are Joseph's average speeds and velocities in jogging (a) from A to B and (b) from A to C?

17. Usha swims in a 90 m long pool. She covers 180 m in one minute by swimming from one end to another and back along the same straight path. Find the average speed and average velocity of Usha.

18 During an experiment, a signal from a spaceship reached the ground station in five minutes. What was the distance of the

spaceship from the ground station? The signal travels at the speed of light, that is, 3×10^8 m/s.

19. Make a project on any one of the following.

(i) Matter and State changing of matter

(ii) Motion and its types

- **Mathematics**

Mathematics:- ex. 1.1 ,1.2 , 1.3 , 1.5 do practice with examples

Maths project- Aryabhatta biography

Activity- Make a spiral

- **Hindi**

हिन्दी -

क्षितिज - पाठ - 1, 2 पढ़ो और याद करो.

व्याकरण - 1.प्रत्यय, उपसर्ग और समास से संबंधित प्रश्नों का अभ्यास करें.

2. अनुच्छेद लिखिए -

क. स्मार्ट क्लास की उपयोगिता

ख. महानगरों का तनावग्रस्त जीवन

ग. पुस्तकें :हमारी सच्ची मित्र

घ. श्रम का महत्त्व

3. क. अपनी बड़ी बहन को वायु सेना में अफसर बन जाने पर बधाई देते हुए पत्र लिखिए.

ख. अपने क्षेत्र के जल बोर्ड अध्यक्ष को पेय जल की समस्या की ओर ध्यान आकृष्ट कराते हुए पत्र लिखिए.

- **English**

1) Read lessons 1,2 and 3 of Beehive.

2) Revise Tenses and do Ex – 6,7,8 and 9 on pg 198 of your grammar book.

Note:Complete class work of all subjects (pdfs related to class work are available on the school's website- www.pyrs.in).