

HOLIDAY HOMEWORK CLASS IX

ENGLISH

1. Read any novel of your wish and prepare its "Book Review" in a file.

The format of the "Book Review" is given below:

Name of the novel

Author's Name and few lines about him / her

No of pages

Characters

Mention any two characters in detail

Summary

Hub character (Main Character)

Conclusion

2. Read unit 1,2 and 3 from the main course book.

SCIENCE

Chemistry

- Prepare a project file on the topic "Solutions and types of solutions"
- Used a lot of activities in your project.
- Also mention a lot of examples

Physics

1. Worksheet to be solved
2. A small project related to the subject. (should be of daily utility and cost should not be more than 100)

Biology

1. Practical no. 14, 15, 16 and 17 to be written in the practical file.
2. Complete the project work already given.

SOCIAL SCIENCE

1. Make a file project on any of the natural disaster (not more than 15 pages).
2. Complete the worksheet (already given before vacations) and prepare for FA test.\

MATHS

Topic : Discovery of ZERO

Content:

1. History of Zero
2. Contribution of Greeks.
3. Contribution of India.
4. Why zero is a complicated figure?
5. Create some magical numbers by using "Zero"

Note :- Make this project in a file

PHYSICS WORKSHEET - (1) UCL-740210
(MOTION) Dt:- 11-5-11

- ① The Shatabadi Express covers a distance of 450 km in 5 hrs. between Amritsar and Delhi. What is average speed of the train in (i) km/hr (ii) m/s Ans:- 90 km/hr, 25 m/s
- ② An athlete runs around a circular path of circumference 360m in 1 min and reached the starting point. Calculate (i) distance covered by the athlete (ii) displacement (iii) average speed (iv) average velocity Ans:- 360m, 0, 6 m/s, 0
- ③ A train takes 80 min to travel from station P to Q and 40 min to return from Q to P. If the distance between P and Q is 60 km. Calculate (i) average speed (ii) average velocity of the train. Ans:- 60 km/hr, 0
- ④ A car covers 90 km in 1.5 hrs towards east. Calculate:- (i) displacement of car (ii) velocity of car in km/hr and m/s. Ans:- 90 km east, 60 km/hr east, 16.67 m/s east.
- ⑤ A race horse runs straight towards north and covers 540m in 1 min. Calculate: (i) displacement of the horse (ii) velocity in (a) m/s (b) km/hr Ans:- 540m north, 9 m/s north, 32.4 km/hr north.
- ⑥ The change in velocity of 54 km/hr takes place in one min. for a motor bike. Calculate (i) acceleration in km/hr^2 and m/s^2 . Ans:- 3240 km/hr^2 , 0.25 m/s^2
- ⑦ A body starts from rest and picks up a velocity of 15 m/s in 3 sec. Find the acceleration in m/s^2 and km/hr^2 . Ans:- 5 m/s^2 , 5400 km/hr^2