(Mathematics)

Solve all the question on assignment sheets

1. Find: $\sqrt{0.6} * \sqrt{2.4}$
2. The area of square field in 5329 m². Find the side of a square field.
3. Write a phthagorean triplet whose one member is 18.
4. Simplify:-
   i. $\sqrt{0.0196} + \sqrt{37.0881}$
   ii. $\sqrt{13.69} + \sqrt{18.49} / \sqrt{15129} - \sqrt{529}$
5. Find the square root of 17 correct upto two places of decimal.
6. Find the smallest number of which 9408 must be divided so that it becomes a perfect square. Also find the square root of number obtained.
7. Find the smallest number by which must be added to 9756 to make it perfect square root of number obtained.
8. Find the value (i) $\sqrt[3]{0.157464} + \sqrt[3]{0.008} - \sqrt[3]{0.125}$
9. Is 53240 a perfect cube? If not by which smallest number should it be divided so that quotient is perfect cube. Also find its cube root.
10. Volume of the cube is 54872cm³. Find its side.
11. Three members are in the ratio 1:2:3. The sum of the three cube is 62208. Find the numbers.
12. If 12 woman can weave 15m of cloth a day. How many meters of clothes woven by 20 women in a day.
13. Reena type 600 words in a 4 min. What time will she take to type 3.50 words.
14. A train of length 150 mt takes 20 sec to cover a platform 450mt long. Find the speed of the train in km/hr.
15. If x & y varies inversely & y=45. Find x when constant of variation=9.
16. A car travels 60km in 1hr 30 min. How long will it take to cover a distance of 100km at the same speed.
17. Sayam allows a discount of 20% and a still gain a 10% on selling an almirah. Find the toptal profit or loss.
18. Find the marked price of a washing machine which is sold at 8,400 after allowing a discount of 16%.
19. By selling 35 greeting cards a shopkepper loses amount equal to the selling price of 5 greetingcard. Find his loss percent.
20. Bharti bought 1200rp each. She sold one at a loss of 5% and the other at a profit of 10%. find the total profit or loss.

Sub. Science

1. Name the cell organs common to plants a Animals. Also state their function.
2. Write a brief note on cell membrane.
3. Who observed the cells first time? How was he able to observe the cells?
4. What do you mean by cellular level of organization?
5. Explain the role of micro organisms in human health?
6. How are microorganisms beneficial in the field of agriculture?
7. How do bacteria cause tooth decay.
8. State main objectives of food preservation?
9. Give one advantage and one disadvantage of pasteurization.
10. How are vaccines different from antibodies? Give one example of each?

11. What is metallurgy? What are the processes generally involved in metallurgy?
12. Which gas is involved when metals react with dilate acids? How is this gas identified?
13. What are metalloids? Give two examples?
14. How does a metal reacts with oxygen? How can we identify nature of oxides thus farmed?
15. Compare metals & non metals on the basic of following properties
    I.   Physical state   II. Ductility   III. Sonority.
16. What are the effects of force on state of motion?
17. How is pressure related to area of contact?
18. How is pressure related to area of contact? Give on activity to explain?
19. Give some practical applications of atmospheric pressure.
20. Explain the role of micro-organism in preserving environment for all living?

Sub. English

1. Write and article on 'Global Warming`
2. Write an article on 'Importance of Education for Children`.
3. Write a speech on 'Are paper books better than E- Books?
4. Write a speech on ' Co-educational schools are better than single gender schools`.
5. Write a letter to the mayor of your city seeking a solution to the problem of water logging in your area. Your are Raj/Rani of dharma colony,ramgarh.
6. You are Garima/Gaurav. Write a letter to your from inviting hem/her to your birthday party. Give details regarding the day, time , Venue Etc. Add interesting details like theme dress code etc.
7. Revise all the work done in the class.

(SST)
1. Mention any four factors affecting the utilisation of resources.
2. Distinguish between potential and actual resources
3. Why is land an important resource for human beings?
4. What type of information do we get from official records?
5. What steps did the East India company take to establish its rule in India how did the rule of the company come to an end?
6. Write a note on Battle of Plassey.
7. What was the political impact of the British rule on India?
8. How did the British conquered the kingdom of Ranjit Singh?
9. Why is a constitution more important in a democratic country?
10. Enlist any five features of the Indian Constitution.
11. What are the fundamental rights what is their importance?
12. How was the constitution of India framed?
13. What do you understand by parliamentary system?
14. What is the importance of soil state the factors that govern the formation of soil?
15. What steps are necessary to protect water from pollution?
16. How can soil be conserved?
17. Make a poster on protection of trees.
18. Write a short note on doctrine of lapse.
19. What were the main changes in the political history of Punjab from the end of the 18th century to 1849?
20. what is a secular state?