

ST ARNOLD'S CENTRAL SCHOOL, PUNE
PERIODIC-2, EXAMINATION, 2018-19
SUBJECT: SCIENCE

STD : VIII

MM : 50

1. What is combustion? (1)
2. Define Refining. (1)
3. Does any part of our body vibrate when we speak? Name the part. (1)
4. Name the unit in which the calorific value of a fuel is expressed. (1)
5. Why is the use of diesel and petrol as fuels in automobiles being replaced by Compressed Natural Gas (CNG) in big cities? (2)
6. Match the items given in Column I with the items of Column II. (2)

Column I	Column I
(a) Used for road surfacing	(i) Black gold
(b) Natural gas	(ii) Vaseline and candles
(c) Petroleum	(iii) Bitumen
(d) Paraffin wax	(iv) CNG

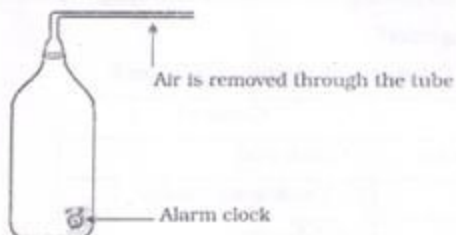
7. Anu wants to boil water quickly in a test tube. On observing the different zones of the flame, she is not able to decide which zone of the flame will be best for boiling water quickly. Help her in this activity. (2)
8. A simple pendulum makes 10 oscillations in 20 s. What is the time period and frequency of its oscillations? (2)
9. Compare LPG and wood as fuels. (2)
10. It is difficult to burn a heap of Green Leaves but dry leaves catch fire easily. Give reason. (2)
11. Explain in what way noise pollution is harmful to humans. (2)
12. Which among the following substances does not burn with a flame. Why?
(a) LPG (b) camphor (c) dry grass (d) charcoal (2)
13. People usually keep burning coal in their closed rooms during winter season. Why is it advised to keep the door open? (3)

14. Describe how coal is formed from dead vegetation. What is this process called? (3)

15. Factories and green houses are releasing harmful gases into the atmosphere.

Write the name of these gases. As a responsible citizen what advice will you give to reduce this problem? (3)

16. An alarm bell is kept inside a vessel as shown in Figure. Person standing close to it can distinctly hear the sound of alarm. Now if the air inside the vessel is removed completely how will the loudness of alarm get affected for the same person? (3)



17. Manu was heating oil to fry potato chips. The cooking oil all of a sudden caught fire, ~~he~~ ^{she} poured water to extinguish the fire. Do you think, this action was suitable? If yes, why? If not, why not? In such a condition what should Manu have done? (3)

18. Name the products obtained and their uses when coal is processed in industry. (5)

19. Explain the structure of human ear with the help of diagram. (5)

20. What are the three essential requirements to produce fire? How fire extinguisher is useful for controlling the fire? (5)