



**Octahedral classes, kharadi**  
**2nd floor, yashwant plaza, near bank of India,**

**Class 08 - Science**  
**Combustion and flame**

**Maximum Marks: 50**

**Time Allowed: 1 hour and 30 minutes**

**Section A**

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| 1. Explain the terms "global warming".   | 1 |
| 2. What are the different zones of flame?  | 1 |
| 3. What do you mean by deforestation?  | 1 |
| 4. What do you mean by inflammable substances?   | 1 |
| 5. Give examples of the substances which give flame.                                       | 1 |
| 6. What is the colour of LPG flame?  | 1 |
| 7. Why does charcoal not produce flame?  | 1 |
| 8. What is acid rain?  | 1 |
| 9. Which zone of flame has highest temperature?  | 1 |
| 10. What is combustion?  | 1 |
| 11. What is meant by 'deforestation'?  | 1 |
| 12. What do you mean by the term combustion?   | 1 |
| 13. Name the unit in which the calorific value of a fuel is expressed.                     | 1 |
| 14. What is the colour of candle flame?  | 1 |
| 15. Define the term 'Explosion'.   | 1 |
| 16. Explain various types of combustion.   | 2 |
| 17. What are the different harmful products of burning of a fuel?                          | 2 |
| 18. Define calorific value.  | 2 |
| 19. What do you mean by forest fire?   | 2 |
| 20. Why CNG is preferable for vehicles in respect to petrol and diesel?                    | 2 |
| 21. How does fire brigade works to extinguish fire?  | 2 |
| 22. What is fractional distillation?   | 2 |
| 23. What are the ill-effects due to the increasing consumption of fuel?                    | 2 |
| 24. We can boil water in a paper cup while paper catches fire easily. Explain the process. | 2 |
| 25. Describe the history of the matchstick.  | 2 |
| 26. What are the characteristics of a good fuel?   | 3 |

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| 27. Explain how the use of CNG in automobiles has reduced pollution in our cities. | 3 |
| 28. What are inflammable substances? Name them.                                    | 3 |
| 29. What are combustible and non-combustible substances? Explain with examples.    | 3 |
| 30. What do you mean by global warming? Write its effects.                         | 3 |