



**UNITY TRAINING**  
ACADEMY FOR DDCET

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# Practice **Set 2**

## Chemistry, English & **COMPUTER PRACTICE**

### Topics :

Chemical Equations: Writing a Chemical Equation, Balanced Chemical Equations, Types of Chemical Reactions: Combination Reaction, Decomposition Reaction, Displacement Reaction, Double Displacement Reaction, Correction of Incorrect Words and Sentences, Basics of Computer System, Introduction to Internet HTML, Using MS - Word/MS-Excel/MS-Power Point

**DDCET final exam weightage of this topic : 13 Questions ( 26 Marks )**

**Total Practice sets  
of this topic :**

**15 ( sets ) x 30 ( questions ) = 450 Questions**

**Total Practice tests  
of this topic :**

**5 ( exams ) x 20 ( questions ) = 100 Questions**

**Offline / Online  
during lecture :**

**4 ( lectures ) X 50 ( Questions ) = 200 Question**

**Total 750 Questions to  
practice this topic**



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## Section 1 :

Physical properties of Metals and Non-metals, Chemical Properties of Metals, How do Metals and Non-metals React? : Properties of Ionic compounds, Corrosion of Metals.

1. How many hydrogen atoms are in the reactants of the equation:  $2\text{H}_2 + \text{O}_2 \rightarrow 2\text{H}_2\text{O}$ ?

- A) 2
- B) 3
- C) 4
- D) 6

2. A balanced equation satisfies which principle?

- A) Law of gravity
- B) Law of conservation of matter
- C) Law of conservation of momentum
- D) Law of electrostatics

3. The balanced chemical equation for decomposition of calcium carbonate is:

- A)  $\text{CaCO}_3 \rightarrow \text{Ca} + \text{CO}_2$
- B)  $\text{CaCO}_3 \rightarrow \text{CaCO} + \text{O}_2$
- C)  $\text{CaCO}_3 \rightarrow \text{CaO} + \text{CO}_2$
- D)  $\text{Ca} + \text{CO}_2 \rightarrow \text{CaCO}_3$

4. What is a combination reaction?

- A) A reaction where one compound breaks down
- B) A reaction where two or more substances combine to form one product
- C) A reaction where elements are displaced
- D) A reaction that releases gas

5. In the reaction:  $\text{C} + \text{O}_2 \rightarrow \text{CO}_2$ , carbon and oxygen:

- A) Decompose
- B) Displace
- C) Combine
- D) React with water

6. Which of the following is not a combination reaction?

- A)  $\text{A} + \text{B} \rightarrow \text{AB}$
- B)  $2\text{Mg} + \text{O}_2 \rightarrow 2\text{MgO}$
- C)  $\text{NH}_3 \rightarrow \text{N}_2 + \text{H}_2$
- D)  $\text{Ca} + \text{Cl}_2 \rightarrow \text{CaCl}_2$

7. Which product is formed when nitrogen combines with hydrogen?

- A)  $\text{NH}_3$
- B)  $\text{NO}_2$
- C)  $\text{N}_2\text{H}_2$
- D)  $\text{HNO}_3$

8. A reaction in which a single product is formed is called:

- A) Combination
- B) Decomposition
- C) Displacement
- D) Neutralization

9. The reaction of iron with chlorine gas forms:

- A)  $\text{FeCl}_2$
- B)  $\text{FeCl}_3$
- C)  $\text{Fe}_2\text{Cl}$
- D)  $\text{FeCl}$

10. Which is an example of a combination reaction used in daily life?

- A) Decomposition of water
- B) Combustion of LPG
- C) Electrolysis
- D) Cooling water





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11. Choose the correct sentence.

- A) He will be starting his new job next week.
- B) He will starting his new job next week.
- C) He starting his new job next week.
- D) He will starts his new job next week.

12. Choose the correct sentence.

- A) I have just completed my job application.
- B) I have complete my job application.
- C) I have just completed job application.
- D) I have just completing my job application.

13. Choose the correct spelling.

- A) Favourable
- B) Favarable
- C) Favourabl
- D) Favorible

14. Choose the correct spelling.

- A) Harasment
- B) Harassment
- C) Harrassment
- D) Harasement

15. Choose the correct spelling.

- A) Maintanance
- B) Maintenance
- C) Maintenace
- D) Maintnance

16. Choose the correct spelling.

- A) Quait
- B) Quite
- C) Quait
- D) Quuite

17. Choose the correct sentence.

- A) The garden is full of beautiful flowers.
- B) The garden full of beautiful flowers.
- C) The gardens are full of beautiful flowers.
- D) The garden are full of beautiful flowers.

18. Choose the correct sentence.

- A) The temple was built hundreds of years ago.
- B) The temple built hundred years ago.
- C) The temple was build hundred years ago.
- D) The temples were built hundred years ago.

19. Choose the correct spelling.

- A) Mermory
- B) Memory
- C) Memery
- D) Memmory

20. Choose the correct sentence.

- A) All the students has submitted their homework.
- B) All the students have submitted their homework.
- C) All the student have submitted their homework.
- D) All the students have submit their homework.

21. What does the term "open source" mean?

- A) Free software
- B) Software with source code available to modify
- C) Paid software
- D) Software with limited features

22. What does the term "encryption" mean?

- A) Converting data into a secure format
- B) Storing data permanently
- C) Deleting data
- D) Compressing data



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23. What is the full form of IoT?

- A) Internet of Things
- B) Internet of Technology
- C) Internet of Tools
- D) Internet of Transfers

24. What is the full form of API?

- A) Application Programming Interface
- B) Advanced Programming Interface
- C) Automated Programming Interface
- D) Application Process Interface

25. Which tag in HTML is used to define the structure of a website?

- A) <layout>
- B) <div>
- C) <structure>
- D) <section>

26. What does the <nav> tag in HTML represent?

- A) Defines navigation links
- B) Adds a footer
- C) Defines metadata
- D) Creates a dropdown

27. What does the <progress> tag in HTML represent?

- A) Displays progress of a task
- B) Adds a progress bar
- C) Displays a percentage
- D) Shows task status

28. Which HTML element is used to group a set of inline elements?

- A) <div>
- B) <span>
- C) <group>
- D) <inline>

29. Which HTML tag is used to create a clickable file upload field?

- A) <input type="file">
- B) <upload>
- C) <file>
- D) <input>

30. Which attribute is used to control the visibility of an element in HTML?

- A) hidden
- B) visible
- C) display
- D) toggle

