

108 DAYS ONLINE COACHING DAY(73) - 5/12/2019 THURSDAY

Chemistry



Name of the candidate *

M3

Place of the candidate *

Thiruvananthapuram

WHATS APP NUMBER (JOINED IN SAI EDUCATION ONLINE) *

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Please watch the following videos and answer the following questions

https://youtu.be/_kEw3bidK70
https://youtu.be/S_79_YnJnKc
<https://youtu.be/C3Qhg6rDNP0>

1. Who discovered electron? *

1 point

- J.J. Thomson
- Rutherford
- Chadwick
- John Dalton

2. Who discovered proton? *

1 point

- J.J. Thomson
- Rutherford
- Chadwick
- John Dalton

3. The atomic number of sodium is 11 and its mass number is 23. It has *

1 point

- I. 11 neutrons and 12 protons
- II. 12 protons and 11 electrons
- III. 11 electrons and 12 neutrons
- IV. 12 electrons and 11 neutrons

4. The electronic configuration of chlorine is *

1 point

- I. 2,7
- II. 2,8,8,7
- III. 2,8,7
- IV. 2,7,8

5. The electrons present in the outermost shell are called *

1 point

- I. Valency electrons
- II. Octate electrons
- III. Duplet electrons
- IV. Valence electrons

6. The isotope atoms differ in ? *

1 point

- number of neutrons
- atomic number
- number of electrons
- atomic weight

7. pH of blood is ? *

1 point

- 10.4
- 9
- 7.4
- 4

8. Aspirin is *

1 point

- acetyl salicylic acid
- sodium salicylate
- methyl salicylate
- ethyl salicylate

9. Conduction band electrons have more mobility than holes because they *

1 point

- (a) are lighter
- experience less collision
- have negative charge
- need less energy to move

10. heart pacemakers is *

1 point

- (a) Uranium
- (b) Deuterium
- (c) Plutonium
- (d) Radium

11. What happens when a chemical bond is formed ? *

1 point

- (a) energy is always absorbed
- (b) energy is always released
- (c) more energy is released than is absorbed
- (d) energy is neither released nor absorbed

12. Which among the following is a carbohydrate ? *

1 point

- (a) Nylon
- (b) Cane sugar
- (c) Turpentine
- (d) Hydrogen peroxide

13. Which one of the following metals pollutes the air of a city having large number of automobiles? * 1 point

- (a) Cadmium
- (b) Chromium
- (c) Lead
- (d) Copper

14. What is the Chemical name for baking soda? * 1 point

- (a) Sodium carbonate
- (b) Sodium bicarbonate
- (c) Sodium nitrite
- (d) Sodium nitrate

15. Which of the following gases is present underpressure in soft drinks? * 1 point

- (a) Oxygen
- (b) Nitrogen
- (c) Carbon dioxide
- (d) Nitrous oxide

16. The element which is commonly used in nuclear for producing electricity by nuclear fission is *

1 point

- (a) Radium
- (b) Plutonium
- (c) Uranium
- (d) Deuterium

17. Table salt gets moist during rainy season because *

1 point

- (a) sodium chloride is hygroscopic
- (b) sodium chloride is deliquescent
- (c) sodium chloride contains some quantity of sodium iodide
- (d) sodium chloride contains hygroscopic impurities like magnesium chloride

18. Silk fibre chemically is : *

1 point

- (a) Carbohydrate
- (b) Fat
- (c) Protein
- (d) Cellulose

19. Milk is a colloidal system in which: *

1 point

- (a) Water is dispersed in fat
- (b) Fat is dispersed in water
- (c) Fat and water are dispersed in each other
- (d) Fat is dissolved

20. Galvanization is the : *

1 point

- (a) deposition of zinc on iron
- (b) deposition of tin on Iron
- (c) deposition of copper on iron
- (d) deposition of aluminum on iron

21. The atomic number of carbon is 6 and its atomic mass is How many are there protons in the nucleus of carbon ? *

1 point

- (a) 6
- (b) 12
- (c) 18
- (d) Zero

22. Who developed atom bomb ? *

1 point

- (a) Warner Wan Brown
- (b) J. Robert Open heimer
- (c) Edward Taylor
- (d) Samuel Koehen

23. Milk of Magnesia is a suspension of : *

1 point

- (a) magnesium sulphate
- (b) magnesium carbonate
- (c) magnesium hydroxide
- (d) magnesium chloride

24. The ratio of pure gold in 18 carat gold is *

1 point

- (a) 60%
- (b) 75%
- (c) 80%
- (d) 90%

25. Galena is a mineral of *

1 point

- (a) Iron
- (b) gold
- (c) lead
- (d) calcium

Thankyou!!

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