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Previous Year Paper

Science - 2015

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Multiple Choice Questions

1. When a body falls freely

- A. its PE is converted into KE
- B. its KE is converted into PE
- C. its mechanical energy is converted into heat energy
- D. None of the above

Answer

2. Heat energy of an object is

- A. the average energy of the molecules of the object
- B. the total energy of the molecules of the object
- C. the average velocity of the molecules of the object
- D. the average potential energy of the molecules of the object

Answer

3. Taking into account, three isotopes of hydrogen and three isotopes of oxygen occurring in nature, how many different kinds of water molecules can we expect on the Earth?

- A. Six
- B. Nine
- C. Twelve
- D. Eighteen

Answer

4. Which one of the following acids is present in Vitamin C?

- A. Citric acid
- B. Ascorbic acid
- C. Lactic acid
- D. Folic acid

Answer

5. Which of the following changes when a particle is moving with uniform velocity?

- A. Speed
- B. Acceleration
- C. Velocity
- D. Position

Answer

6. Rocket works on the principle of conservation of

Mass

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C. momentum

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D. None of these

Answer

7. Wisdom teeth normally grow during the age of

- A. 12-15 yr
- B. 17-30 yr
- C. 34-40 yr
- D. 40-45 yr

Answer

8. Life of RBC in human blood is

- A. 30 days
- B. 60 days
- C. 120 days
- D. 15 h

Answer

9. The momentum of a heavy object at rest will be

- A. zero
- B. small
- C. large
- D. None of these

Answer

10. The heating element in an electric iron is made of

- A. iron
- B. tungsten
- C. nichrome
- D. copper

Answer

11. Emission of which one of the following will produce isobars?

- A. Alpha particles
- B. Beta particles
- C. Gamma rays
- D. X-rays

Answer

12. The radioactive isotope of hydrogen is called

- A. deuterium
- B. protium
- C. radium
- D. tritium

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Answer

A. quantity of heat

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B. temperature of liquid

C. specific heat of liquid

D. density of liquid

Answer

14. Which one of the following phenomena cannot be attributed to the refraction of light?

A. Twinkling of stars

B. Mirage

C. Rainbow

D. Redshift

Answer

15. During day time, plants absorb

A. O_2 B. CO_2 C. N_2

D. CO

Answer

16. Nitrous oxide is called

A. laughing gas

B. tear gas

C. producer gas

D. methane gas

Answer

17. Force can be defined on the basis of

A. Newton's second law of motion

B. Newton's first law of motion

C. Newton's third law of motion

D. Newton's law of gravitation

Answer

18. Slope of the velocity-time graph gives the

A. distance covered by a moving body

B. velocity of a moving body

C. acceleration of a moving body

D. None of the above

Answer

19. Which of the following animals has the longest life span?

A. Elephant

B. Crocodile

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D. Tortoise

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Answer

20. Eyes of potato are useful for

- A. nutrition
- B. respiration
- C. reproduction
- D. vegetative propagation

Answer

21. Which of the following preventive measures is adopted to avoid mental retardation?

- A. Relatives should not marry each other
- B. Consumption of drugs and liquors should be avoided by pregnant mothers
- C. Mother and child, both should be saved from infections diseases
- D. All of the above

Answer

22. Physical trauma during pregnancy may cause

- A. mental retardation
- B. blindness
- C. deafness
- D. All of the above

Answer

23. Duffers do not differ from normal children in

- A. physical characteristics
- B. level of social expectancy
- C. Both (a) and (b)
- D. None of the above

Answer

24. Which of the following things is not required for educating mildly mentally retarded?

- A. Regular counselling
- B. Remedial teaching
- C. Modification in the curriculum
- D. Regular evaluation

Answer

25. IQ range of morons are in the range of

- A. 60-90
- B. 50-75
- C. 60-80
- D. 30-50

Answer

26. Word Association Test is a test of

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B. creativity

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C. Both (a) and (b)

D. None of these

Answer

27. In which of the following tests, the examiner is asked to give as many uses as possible of a common object?

A. Things test

B. Picture test

C. Fables test

D. Hidden shape test

Answer

28. Fables test of creativity is one in which the examiner completes the fable by giving

A. three endings of the fable-a humorous, a sad and a moralistic

B. an original short story

C. a picture at the end

D. None of the above

Answer

29. An example of lateral transfer is

A. application of rules of addition or subtraction in our daily life

B. past learning facilitates present or future learning

C. Both (a) and (b)

D. None of the above

Answer

30. According to psychoanalysis theory, deviant behavior is caused due to

A. unconscious mind active in individual

B. repressed desires of the individual

C. Both (a) and (b)

D. None of the above

Answer