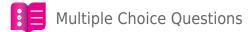


Previous Year Paper

Science - 2015



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- 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

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C. momentum

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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



- A. quantity of heat
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- 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. CO₂
 - C. N₂
 - 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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- 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

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B. creativity

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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