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Previous Year Paper

Science - 2016

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Multiple Choice Questions

1. Ant sting contains acid

- A. Ascorbic acid
- B. Tartaric acid
- C. Lactic acid
- D. Formic acid

Answer

2. What is the color of the precipitate which is formed when aqueous solutions of sodium sulphate and barium chloride are mixed?

- A. Yellow
- B. White
- C. Green
- D. Orange

Answer

3. Which one is least reactive?

- A. Iron
- B. Copper
- C. Silver
- D. Gold

Answer

4. Which is not obtained by the destructive distillation of coal?

- A. Coal gas
- B. Petroleum
- C. Ammonia Liquor
- D. Coal tar

Answer

5. The main function of phloem in plants is to

- A. translocate food material
- B. repair the injured parts
- C. transport water
- D. help in transpiration

Answer

6. Recently discovered most stable allotropes of carbon is

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C. C₂₀

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D. C₅₆

Answer

7. Which among the following is amphoteric oxide?

- A. SnO₂
- B. CaO
- C. SiO₂
- D. CO₂

Answer

8. In ficus, the pollination is affected by

- A. insects
- B. air
- C. water
- D. birds

Answer

9. Which is the vestigial organ in a man?

- A. Pinna muscles
- B. Pinna
- C. Ileum
- D. Teeth

Answer

10. Which organ is not helpful in respiration in mammals?

- A. Ribs
- B. Abdominal muscles
- C. Diaphragm
- D. Larynx

Answer

11. Thromboplastin required for blood clotting is secreted by

- A. Erythrocytes
- B. Platelets
- C. Monocytes
- D. Lymphocytes

Answer

12. Entamoeba histolytica cause which of the following disease?

- A. Malaria
- B. Dysentery
- C. Typhoid

D. Jaundice

13. Disease-causing agent is known as

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- A. Secretin
- B. Prolactin
- C. Amylase
- D. Pathogen

Answer

14. In the food chain herbivores are

- A. primary producers
- B. primary consumers
- C. secondary consumers
- D. decomposers

Answer

15. The symbiotic association of algae and fungi is

- A. funaria
- B. lichen
- C. Marchantia
- D. riccia

Answer

16. The objective of microteaching is

- A. teaching by using a microphone for the benefit of deaf students
- B. to analyse the performance of trainee teacher and suggest feedback
- C. teaching lessons in micro-parts for better understanding
- D. micro-manage of students behaviour

Answer

17. A successful Science teacher is one who

- A. neglects the weaknesses of students
- B. develops inherent capabilities of students
- C. behaves over-friendly in the class
- D. punishes students to correct their mistakes

Answer

18. While Science teaching many aspects of living things can be seen. One aspect is done at the molecular level. It will be the base of the description of life

- A. Newton's law
- B. physical description of the speed of the planet
- C. interaction of material energy
- D. relation of the speed of planet

Answer

19. Underground animals to be protected in

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Answer

20. Two magnetic lines of force
- A. intersect at the neutral point
 - B. intersect near North or South pole
 - C. cannot intersect at all
 - D. intersect according to the position of magnet

Answer

21. For which colour of light the focal length of a lens will be maximum?
- A. Violet
 - B. Blue
 - C. Red
 - D. Yellow

Answer

22. 100 Newton force is applied perpendicularly on the surface of 10 cm, the pressure on that surface will be
- A. 1×10^5 Newton/m²
 - B. 10×10^5 Newton/m²
 - C. 1×10^{-5} Newton/m²
 - D. 10^6 Newton/m²

Answer

23. If the kinetic energy of a body is increased by 0.1%, then an increase in its momentum will be
- A. 0.05%
 - B. 0.1 %
 - C. 1.0%
 - D. 10%

Answer

24. How will you find creative students in a class?
- A. By giving mathematical question
 - B. By asking them to read a paragraph from a book
 - C. By asking them to tell new usage of an object
 - D. By asking them to memorize a big chemical formula

Answer

25. The speed of sound in air at NTP is 332 m/s. If air pressure becomes four times, then the speed of sound will be

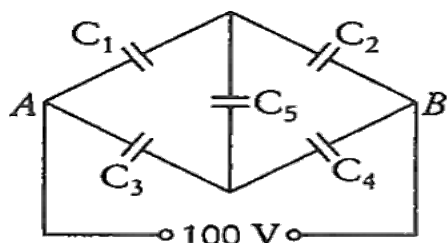
A. 166 m/s

D. 1328 m/s

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Answer

26. Each of the five capacitors shown in the given bridge circuit is $10\ \mu\text{F}$ connected with a 100V DC source. The equivalent capacitance between the points A and B is



- A. $40\ \mu\text{F}$
- B. $30\ \mu\text{F}$
- C. $20\ \mu\text{F}$
- D. $10\ \mu\text{F}$

Answer

27. Name the process used for purification of white bauxite ore containing no iron oxide as an impurity.
- A. Bayer's process
 - B. Hall's process
 - C. Serpek's process
 - D. Hoopes electrolytic process

Answer

28. Name an acid used for removing ink stains
- A. Oxalic acid
 - B. Acetic acid
 - C. Formic acid
 - D. Malic acid

Answer

29. A force $F = (5\hat{i}\lambda + 3\hat{j}\lambda)$ Newton displaces a body by $(2\hat{i}\lambda - \hat{j}\lambda)$. The work done is
- A. zero
 - B. 7 J
 - C. 12 J
 - D. 13 J

Answer

30. The temperature at which ferromagnetism vanishes and the substance becomes paramagnetic is called
- A. Inversion temperature
 - B. Boyle temperature
 - C. Curie temperature

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Answer

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