



PHYSICS

BOOKS - JNAN PUBLICATION

SAMPLE PAPER

Example

1. What is the case of change in motion or change in the state of motion?

A. pressure

B. friction

C. atmospheric pressure

D. force

Answer:



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2. The force involved in falling of an apple from a tree is known as _____

- A. magnetic force
- B. electrostatic force
- C. contact force
- D. gravitational force

Answer:



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3. Which of these elements has highest density?

A. iron

B. copper

C. mercury

D. gold

Answer:



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4. Name an atom in which the molecules of that atom does not contain any neutrons?

A. Hydrogen

B. Oxygen

C. Sodium

D. Phosphorous

Answer:



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5. Fill in the blanks

we can change the direction of a moving body
by applying



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6. Fill in the blanks:-

_____ powder is used in making matchstick.



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7. Fill in the blanks: -

Atoms of different elements differ in mass and

_____ properties.



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8. What is pressure?



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9. By what unit electric charges is measured?



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10. Which metal is the highest conductor of electricity?





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11. What does the word 'atoms' mean in Greek language?



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12. What is mainly present in haemoglobin?



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13. Write name of two metals which have low melting point.



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14. In which season evaporation rate is high?

A. rainy season

B. summer season

C. winter season

D. in all seasons

Answer:



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15. Ionic compounds, are more soluble in

A. ether

B. benzene

C. chloroform

D. water

Answer:



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16. Which of the following is electrolyte?

A. solution of sugar and water

B. graphite

C. water solution of H_2SO_4

D. water solution of glucose

Answer:



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17. Cholera generally causes from_____

- A. polluted air
- B. polluted water
- C. mosquito
- D. polluted food

Answer:



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18. Example of major carp ___

A. Rohu

B. Bata

C. Punti

D. silver carp

Answer:



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19. Fill in the blanks:-

Dew is the example of natural_____.



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20. Fill in the blanks:-

The supply of oxygen in atomosphere is due to
_____.



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21. The flow of the electric charge is called an

_____.



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22. Fill in the blanks:-

The food of the domestic animals is known as

_____.



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23. Write the name of a substance which increase in volume after melting.



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24. What is conduction of heat?



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25. Define reactants.



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26. What is Catalyst? Write down the characteristics of catalysts.



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27. Name a non-metal conductor.



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28. What is an epidemic?



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29. What is fertilisation.



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30. Why is water used as a coolant in car radiator?



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31. What is static electricity?



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32. What is the cause of change in motion or change in the state of motion?

A. pressure

B. friction

C. atmospheric pressure

D. force

Answer:



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33. In total internal reflection _____

- A. incident angle $>$ reflected angle
- B. incident angle $<$ reflected angle
- C. incident angle = reflected angle
- D. None of the above

Answer:



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34. The atom has _____

Positive charge

negative charge

some times positive and sometimes negative

no charge



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35. Charged atoms are called _____

A. isotope

B. isobar

C. isotone

D. ion

Answer:



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36. Number of isotopes in oxygen_____

A. three

B. four

C. two

D. five

Answer:



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37. Teflon is _____

A. transparent

B. flexible

C. poor conductor of electricity

D. opaque

Answer:



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38. The shape of red blood corpuscle is _____

A. round

B. spindle

C. cylindrical

D. hexagonal

Answer:



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39. In male mostache and beard occur due to the impact of _____

A. Progesterone

B. Testosterone

C. insulin

D. thyroxine

Answer:



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40. Which is not the cause of forest fire _____

A. volcanic eruption

B. deforestation

C. lightning

D. cooking in the forest

Answer:



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41. Fill in the blanks

An object is 15 cm away from mirror. The reflection formed will be _____ distant from mirror.



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42. Fill in the blanks

The total number of protons and neutrons in an atom is called its _____



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43. Fill in the blanks:-

Colourless nitric oxide gas is oxidized to brown _____ in contact with oxygen.



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44. Fill in the blanks:-

The increase of temperature of the atmosphere due to green house effect is called _____.



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45. Fill in the blanks:-

The term bacteria was first used by _____ in 1828.



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46. Fill in the blanks:-

The gland which has both endocrine and exocrine cells are _____ gland.



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47. Fill in the blanks :

The tentacles of sea anemone contain numerous _____ cells.



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48. Fill in the blanks :

Each arm of octopus contains many _____.



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49. Name the instrument which is used to measure liquid pressure?

Barometer

Thermometer

Conical Flask

Scale



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50. What are ions?



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51. What is mass number?



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52. What is the specific gravity of oxygen?



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53. How is hydrogen detected?



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54. Which form of carbon is called 'a bucky ball'?



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55. If diamond is strongly heated in presence of air what is produced?



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56. What is called the power house of cell?



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57. With what type of cell the body of Spirogyra is made of?



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58. What type of place is ideal for the growth of microbes?



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59. How many cells are there in Protozoa?



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60. Critical angle depends on



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