| | | 10 TH SCIENCE ACHIEVEMENT TEST-3 (20) | <u>24-25)</u> | |
|---|--|--|--|--|
| | Time: 60 Minutes Total Marks: 50 | | | |
| | 1 1111 | Note: Answer ALL the questions. | | |
| | F 50 | | | |
| -2 | | a) weight of the object b) acceleration due to gravity of the planet c) mass of the object d) Both a & b | | |
| | | Y | | |
| | 5.5 | a) for a body is at rest b) for a body in motion c) both a & b d) only for bodies with equal masses | | |
| - | e 1 ATS ATS ATS ATS ATS ATS AT A Condition of the conditi | | | |
| | 3. | a) 4m b) -40m c) -0.25 m d) -2.5 m | 決勝的。金麗したまし | |
| | | Is a myonic eye, the image of the object is formed | 0-12 | |
| | ٦. | a) behind the retina b) on the retina c) in front of the retina d) on the blind spot | and the second | |
| | 5 The value of universal gas constant | | | |
| | | a) 3.81 Jmol ⁻¹ K ⁻¹ b) 8.03 Jmol ⁻¹ K ⁻¹ c) 1.38 Jmol ⁻¹ K ⁻¹ d) 8.31 Jmol ⁻¹ K ⁻¹ | | |
| | | Cilalaquilae at a substance | | |
| | 6. | a) difference in K.E and P.E b) sum of P.E and K.E | | |
| | | | | |
| | | c) difference in T.E and P.E d) difference in K.E and T.E | | |
| | 7. | . Which of the following is correct? | | |
| | | a) Rate of change of charge is electrical power: b) Rate of change of charge is current. | | |
| | c) Rate of change of energy is current. d) Rate of change of current is charge. | | | |
| | 8. | Kilowatt hour is the unit of | | |
| | | a) resistivity b) conductivity c) electrical energy d) electrical power | The second second | |
| | 9. When a sound wave travels through air, the air particles a) vibrate along the direction of the wave motion b) vibrate but not in any fixed direction a) vibrate along the direction of the wave motion d) do not vibrate | | | |
| | a) vibrate along the direction of the wave motion d) do not vibrate c) vibrate perpendicular to the direction of the wave motion d) do not vibrate | | | |
| | c) vibrate perpendicular to the direction of the wave motion at the hot violate of the wave motion at the wave motion at the hot violate of the wave motion at the wa | | | |
| | 10. | the temperature, the velocity of sound in the gas is | | |
| 1 | - 67 | a) 330 ms ⁻¹ b) 660 ms ¹ c) 156 ms ⁻¹ d) 990 ms ⁻¹ | John Harrison 194 | |
| | | Unit of radioactivity is | THING: | |
| | 11. | a. roentgen b. curie c. becquerel d. all the above | o PATHI | |
| 12 In the nuclear reaction, X 2 a decay 7Y, the value of A & Z. | | | | |
| a. 8, 6 b. 8, 4 c. 4, 8 d. cannot be determined with the given data | | | | |
| | 12 | Which of the following is a triatomic molecule? | DAMALAE | |
| | 13. | (a) Change (b) Helium (c) (arbon dioxide (d) flydiogen. | | |
| | 14 | In the nucleus of 20 Ca ⁴⁰ , there are | 112591910 | |
| | 14. | (a) 20 protons and 40 neutrons (b) 20 protons and 20 neutrons | 42591910 Salem (DT) | |
| | | (c) 20 protons and 40 electrons (d) 40 protons and 20 electrons | Salem (DIT) | |
| | 15. | Li to C. Jam poriodio lavy is | | |
| 1 | 1 121 | (a) atomic number (b) atomic mass (c) isotopic mass (d) number of neutrons. | | |
| + | 16 | the role of Alic | A STATE OF THE STA | |
| | | side a gent (b) reducing agent (c) hydrogenating agent (d) surprise time | gent | |
| | 1.7 | (a) Oxidizing agent (b) reducing agent (b) reducing agent (c) reducing agent (d) reducing agent (e) reducing agent (f) reducing | | |
| | | (a) He (b) Ne (c) Ar (d) Kr | | |
| | 18. | | alahan in ooshon di sulphide | |
| | 10. | a) sodium chloride in water b) glucose in water c) copper suipilate in water | sulphur in carbon-ur-sulphide | |
| | 19. | a t C 11 is bygrogonic in naffife/ | Aug. | |
| | = gx: | | the following(s) could be X? | |
| | 20. | A single displacement reaction is represented by X(s)+2HCI(at)-ACI2(at)-112(8) | . the following(s) could be 21. | |
| 2 | | (i) 7n (ii) Ag (iii) Cu (iv) Mg. Choose the best pair. | PERSONAL PROPERTY. | |
| | 7 | (a) i and ii (b) ii and iii (c) iii and iv (d) I and iv | | |
| 1 | 21. | Which of the following represents a precipitation reaction? | | |
| | 1 | $(a) A_{c} + B_{c} \rightarrow C_{(a)} + D_{(b)}$ (b) $A_{(s)} + B_{(aq)} \rightarrow C_{(aq)} + D_{(b)}$ | | |
| | | (A, A, B, B, C, A, B, C, C, A, B, C, | | |
| | 22. | 22. The molecular formula of an open-chain organic compound is C ₃ H ₆ . The class of the compound | | |
| | | (a) alkane (b) alkene (c) alkyne (d) alcohol | | |
| 1 | 23 | 3. Which of the following are used as anaesthetics? | | |
| 1 | | (a) Carboxylic acids (b) Ethers (c) Esters (d) Aldehydes | | |
| - | 24 | 4. TFM in soaps represents content in soap. | IOO : TMD 1 | |
| | | (a) mineral (b) vitamin (c) fatty acid (d) carbohydrate. | 10 Science EM P - 1 | |
| | | | | |

10 Science EM P - 2

49. The refractive index of four substances A, B, C and D are 1.31, 1.43, 1.33, 2.4 respectively. The speed of light is

A person who met with an accident lost control of body temperature, water balance, and hunger. Which of the

maximum in

a) A b) B c) C d) D

following part of brain is supposed to be damaged?

(a) Medulla oblongata (b) cerebrum (c) pons (d) hypothalamus