AbyotPre-Primary and Primary School

2015 E.Cfirst semester General Science monthly test 1 for grade8th students (R)

Time allowed: 30’ No. of Questions: 25
Total Mark: 10%

Name of student _____section _____
NO_____

I. Choose the best answer from the given four alternatives and write your answer on the space provided for each.

_____1. Jog and sini are indigenous methods of measuring;

A. Length B. Area C. Time d. Volume

_____2. Which one of the following is fundamental (basic) quantity?

A. Mass B. Area C. Density D. Force

_____3. Which of the following is derived quantity?

A. Length B. Time C. Amount of substance D. Speed

_____4. Which of the following device is not used to measure length?

A. Vernier caliper B. Spring balance C. Meter ruler D. Measuring tape

_____5. The SI unit of speed is;

A. m/s B. kg/m^3 C. m^3 D. m^2

_____6. Which one of the following is a derived unit?

A. Kilogram B. Kelvin C. Second D. Newton

_____7. Which of the following is the SI unit of basic quantity?

A. m/s B. kg/m^3 C. mD. m^2

_____8. The prefix for a number 0.000001 is:

A. 1 micro B. 1 mill C. 1 centi D. 1 Mega

_____9. The appropriate prefix of 0.0016 sec is:

A. 1.6 msec B. 1.6Ksec C. 1.6Msec d. 1.6sec

_____10. The conversion of 0.002Km to meter is:

A. 2m B. 0.2m C. 20m D. 200m

_____11.Quantities which cannot be expressed in terms of any other Quantity is:

A. Quantity B. Derived C. Basic D. Quality

_____13.The volume of a liquid is 10.5 ml. Which the following sets of measurement represents the value with accuracy?

A. 10.4 ml, 10.5 ml, 10.5ml B. 12.1 ml, 11.9 ml, 12,5ml
C. 13.1 ml, 13.6ml, 14.5ml D. 14.2ml, 14.3 ml, 14.1ml

_____14. The volume of a liquid is 16 ml. A student measures the volume and finds to be 18.1 ml, 18.3 ml, 18.2 ml in the first, second, and third trial, respectively. Which of the following statement is true for his measurements?

A. They are neither precise nor accurate. B. They have accuracy
C. They have precision D. They have good accuracy

_____15. Who proposed the idea that describes matter as continuous?

A. J.J Thomson B. John Dalton C. Aristotle D. Democritus

_____ 16.Which of the following is **not**true about $^{23}_{11}Na$?

A. Its Atomic number is 11

B. Its mass number is 23

C. It has the same number of proton and neutron

D. It has 11 electrons

_____17. The relative mass of an electron is approximately:

A. 1 amu B. 0 amu C. -1 amu D. 2amu

_____ 18. Which pairs of atomic particles determine the mass of an atom?

A. Electrons and Protons C. Neutrons and Protons

B. Neutrons and Nucleus D. Protons and Electrons

_____19. Which of the following molecules is a polyatomic molecule?

A. Phosphorus (P_4) B. Helium (He) C. Neon (Ne) D. Chlorine (Cl_2)

_____20. Which of the following molecules is a diatomic molecule?

A. Sulfur (S_8) B. Ozone (O_3) C. Argon (Ar) D. Chlorine (Cl_2)

_____ 21. The number of neutrons present in the nucleus of hydrogen atoms ($^{1}_{1}H$) is:

A. 4 B. 1 C. 2 D. 0

_____ 22. An atoms containing 17 protons, 17 Electron and 18 neutrons can have the mass number of:

A. 34 B. 35 C. 17 D. 18

_____ 23. The lightest sub-atomic particle is:

A. Proton B. Electron C. Neutron D. both neutron and proton

_____ 24. Which of the following molecule is molecule of elements?

A. CH_4 B. NH_3 C. HCI D. O_2

_____25. The relative charge of a proton is:

A. -1 B. +1 C. 0 D. None

_____ 26. How much is 2200 gram in kilogram?

A. 1.2 kg B. 2.2 Kg C. 22 Kg D. 0.02 Kg

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