

General Science, 2016 EC, Grade 8 model exam, Arada

Grade 8 · General Science · 2016 E.C.

Time allowed: 120 minutes

Questions: 59

Total marks: 59

Name _____ Grade _____ ID No. _____ Date _____

1. A device that is used to measure the temperature of an object is (1)
 - A. Kelvin
 - B. thermometer
 - C. meter.
 - D. balance
2. One of the following is the amount of matter contained in a substance? (1)
 - A. Length
 - B. Time
 - C. Mass
 - D. Volume
3. The SI unit of Length is _____ (1)
 - A. Ruler
 - B. Meter
 - C. Kilometer
 - D. Millimeter
4. Which one of the following is fundamental physical quantity? (1)
 - A. Area
 - B. volume
 - C. Density
 - D. Temperature
5. Which one of the following is derived physical quantity? (1)
 - A. Length
 - B. Area
 - C. Mass
 - D. Time
6. The prefix that represents 1 / 1000000 is _____ (1)
 - A. Million
 - B. Millionth
 - C. Thousandth
 - D. Hundredth
7. How many seconds are in two hours? (1)
 - A. 7200
 - B. 720
 - C. 3600
 - D. 2400
8. 100000 cm is equal to _____ m. (1)
 - A. 10000
 - B. 1000
 - C. 100000
 - D. 100
9. Which one of the following statement is true? (1)
 - A. Derived units are derived from fundamental units.
 - B. Fundamental units are derived from derived units.
 - C. Fundamental units are big in value but derived units are small in value.
 - D. There is no difference between them.

10. Which one is indigenous method of measuring volume? (1)

- A. Cubit
B. digital balance
C. Tassa
D. foot

11. Which one of the following is not a scientific method? (1)

- A. Gathering
B. observation
C. Evaluating
D. None

12. One o is the measure of the duration for an interval (1)

- A. Mass
B. Length
C. Time
D. Volume

13. The measure of the space occupied by an object is (1)

- A. Length
B. Volume
C. Mass
D. Time

14. The process of obtaining the magnitude of a quantity to an agreed standard is. (1)

- A. Physical quantity
B. Temperature
C. Fundamental quantity
D. Measurement

15. Which one of the following is the smallest unit of time? (1)

- A. Second
B. Minute
C. Hour
D. Microsecond

16. The idea that matter is continuous was accepted by _____ (1)

- A. Democritus
C. Aristotle
- B. Dalton
D. Thomas Edison

17. Which of the following sub particle has the smallest mass? (1)

- A. Proton
B. Neutron
C. nucleus
D. electron

18. The sum of the number of protons and neutrons in an atom is_____ (1)

- A.** Atomic number **B.** Atomic mass.
C. Mass number **D.** electrons

19. 30^2 contains (1)

- A. Three oxygen atoms.
- B. two oxygen atoms
- C. Three oxygen molecules
- D. 5 oxygen molecules

20. Which one of the following sub particle is located in nucleus of an atom? (1)

- A. Proton and neutron.
- B. Proton and electron
- C. electron and neutron
- D. proton, neutron and electron

21. The number of neutrons in $^{199}_{94}\text{Fare}$ (1)

- A. 13
B. 10
C. 9
D. 12

22. The charge of neutron is _____ (1)

- A. Positive.
B. Negative
C. Charge less
D. none

23. What is the number of electrons in $^{23}_{11}\text{Na}^+$ ion (1)

- A. 10
B. 11
C. 23
D. 22

24. Which one of the following is diatomic molecule? (1)

- A. Ne
C. O₂
- B. O₃
D. O₄

25. Which one of the following is molecule of an element? (1)

- A. HCl
B. CaO
C. CO₂
D. O₂

26. The Mass of an atom is almost the mass of its _____ (1)

- A. Neutron** **B. Nucleus**
C. Proton **D. Electron**

27. The Chemical Symbol of an element gold is _____ (1)

- A. Hg
B. Al
C. Au
D. Ag

28. How many neutrons, protons and electrons are there in $^{27}_{13}\text{Al}$ (1)

- A. 27,13,14 B. 13,14,14
C. 14,13,13 D. 27,14,13

29. The prefix 10^{-6} represents the name _____ (1)

- A.** Kilo **B.** milli
C. micro **D.** mega

30. Which one of the following is not a noble gas element? (1)

- A. Ar B. Li
C. He D. Ne

31. The first idea of atom was proposed by the Greek philosopher _____ (1)

- A.** Aristotle **B.** Plato
C. Democritus **D.** Dalton

32. Which one of the following compounds obtained from living organisms? (1)

- A.** Oxides **B.** compounds
C. inorganic compounds **D.** Organic compound

33. One of the following is hydrocarbons that have the general formula $C_n H_{2n}$ (1)

- A. Alkenes
B. methane
C. Alkynes
D. All

-
46. Acidic oxide reacts with basic oxides to form _____ (1)
- A. Base
B. Salt
C. Acids
D. oxide
-
47. Which one of the following is compounds that contain carbon and hydrogen atom? (1)
- A. Element
B. oxides
C. Hydrocarbon
D. Acids
-
48. Bases are compounds that neutralized acid to form _____ (1)
- A. Acid
B. bases and water
C. Salt
D. Salt and water
-
49. Naming of hydrocarbon is called _____. (1)
- A. Formula
B. Symbol
C. Nomenclature
D. Name
-
50. One is group of substance that release hydrogen ions (H^+) (1)
- A. Acids
B. Bases
C. Salt
D. water
-
51. which one of the following is not parts of integumentary system. (1)
- A. Skin
B. Hair
C. Nail
D. Skeleton
-
52. The hard covering at the end of the finger or toe is? (1)
- A. Skin
B. Gland
C. Nail
D. muscle
-
53. The middle layer of the hair is called _____ (1)
- A. Cuticle
B. cortex
C. medulla
D. part of hair
-
54. one of the following is an organ that makes substances such as hormones is? (1)
- A. Gland
B. Epidermis
C. Skeleton
D. Hair
-
55. One of the following is skin disease except? (1)
- A. Hives
B. Osteopenia
C. Acne
D. warts
-
56. The general formula of Alkyne is? (1)
- A. $C_n H_n$
B. $C_n H_{2n-2}$
C. $C_n H_{2n+1}$
D. $C_n H_{2n+2}$
-
57. One of the following is voluntary muscle. (1)
- A. smooth muscle
B. skeletal muscle
C. cardiac muscle
D. muscle

58. Hared bone filled with yellow bone marrow is called

(1)

A. bone

B. short bone

C. long bone

D. tendon

59. One of the following is muscle disease that is a group of inherited disease.

(1)

A. Acne

B. warts

C. muscular dystrophy

D. muscle strains

— END OF EXAMINATION —

Generated on Meskerem 22, 2019 E.C. (October 2, 2026 G.C.) · Temari.et