

**MINISTRY OF EDUCATION, SCIENCE, TECHNOLOGY  
AND VOCATIONAL TRAINING  
THEMI HILL PRE AND PRIMARY SCHOOL  
HOLIDAY PACKAGE APRIL- 2020  
SCIENCE GRADE VI**

**NAME:**.....**STREAM:**..... **DATE:**.....

**INSTRUCTIONS**

- **This paper consists of forty five (45) questions**
- **Answer ALL questions as per instructions in each section.**

**SECTION A:** Choose the correct answer in each of the following questions and write its letter in the answer sheet provided. Each question carries two (2) marks.

1. Which one among the following is not a chemical change?  
a) Rusting  
b) Burning a piece of paper  
c) Fermenting milk  
d) Melting of ice
  
2. Which process facilitates the movement of water molecules from the soil to the root hair cells of plants?  
a) Capillarity  
b) Osmosis  
c) Xylem  
d) Diffusion
  
3. Which one among the following choices spreads through diffusion?.....  
a) Perfume  
b) Water  
c) Juice  
d) Kerosene
  
4. Which of the following is an example of a simple machine?  
a) A bicycle  
b) A sewing machine  
c) A car  
d) A see saw
  
5. The following are uses of a mobile phone except.....  
a) Sending written messages  
b) Sending voice messages  
c) Receiving calls  
d) Preserving food
  
6. Plants need .....to make their own food  
a) Hydrogen  
b) Carbon dioxide  
c) Carbon monoxide  
d) Oxygen
  
7. Which device does not use electricity?  
a) A television  
b) A radio  
c) A refrigerator  
d) A pair of scissors
  
8. ....is a dangerous disease which has neither cure nor prevention.  
a) HIV/AIDS  
b) Trachoma  
c) Typhoid  
d) Malaria

9. Which one of the following is not TRUE about light?  
a) Light can be reflected  
b) Light cannot bend  
c) Light can bend  
d) Light travels in a straight line
10. .... is the energy due to motion of a body  
a) Potential energy  
b) Chemical energy  
c) Kinetic energy  
d) Sound energy
11. Biomass is defined as .....  
a) The quantity of energy in a body  
b) Energy from a body  
c) Energy due to motion  
d) Energy due to organic matter of plants and animals
12. .... is the path taken by electric current flowing in a conductor.  
a) Electric current  
b) Electric circuit  
c) A conductor  
d) Electricity
13. The freezing point of water is .....  
a) 10°C  
b) 0°C  
c) 100°C  
d) 80°C
14. The first thing in doing a scientific investigation is .....  
a) Experimentation  
b) Data collection  
c) Identification of problem  
d) Drawing a conclusion
15. Usually all items required to render first Aid services are kept in a .....  
a) Tool box  
b) Cup board  
c) Trunk  
d) First aid kit
16. Which one among the following machines is not operated by electricity?  
a) Television  
b) Bicycle  
c) Computer  
d) Radio
17. What is the SI unit of resistance?  
a) Voltage  
b) Amperes  
c) Ohms  
d) Ammeter
18. Which one of the following is not part of a circuit  
a) Cell  
b) Wire  
c) Switch  
d) Insulator
19. If there are 7 Amps running through a 3 ohm resistor, What will the voltage be across the resistor?  
a) 21V  
b) 21A  
c) 21 ohms  
d) 21
20. Water in solid form is called.....  
a) Cloud  
b) Rain  
c) Ice  
d) Humidity

21. The worst soil for farming is .....
- a) Loam
  - b) Sand
  - c) Clay
  - d) Silt
22. How many types of machines are there?
- a) Six
  - b) Four
  - c) Two
  - d) Three
23. The process by which plants lose water in form of vapour through stomata pores is called.....
- a) Photosynthesis
  - b) Osmosis
  - c) Transpiration
  - d) Diffusion
24. ....is a process of planting trees in an area where trees never existed.
- a) Afforestation
  - b) Deforestation
  - c) Transplanting
  - d) Overgrazing
25. ....gas is used to preserve cold drinks and other beverages
- a) Oxygen
  - b) Carbondioxide
  - c) Fizz
  - d) Nitrogen
26. ....gas is useful in advertisement lights
- a) Argon
  - b) Helium
  - c) Neon
  - d) Oxygen
27. The estimated percentage composition of oxygen in air is .....
- a) 78%
  - b) 0.9%
  - c) 0.04%
  - d) 21%
28. Which type of plants absorb nitrogen in the atmosphere and convert it into nitrate salts?.....
- a) Maize
  - b) Sunflowers
  - c) Mangoes
  - d) Leguminous
29. ....is the process whereby a mature seed develops into a seedling
- a) Germination
  - b) Transplanting
  - c) Seedbed
  - d) Flowering
30. A tiny hole in a seed which allows water and air to enter it is called .....
- a) Testa
  - b) Micropyle
  - c) Embryo
  - d) Cotyledon
31. ....is the cutting down of trees without planting new ones
- a) Overgrazing
  - b) Deforestation
  - c) Afforestation
  - d) Wood

32. The practice of planting different crops on the same field in different years is called  
.....
- a) Crop rotation
  - b) Planting
  - c) Transplanting
  - d) Harvesting
33. An instrument used to measure the current of electricity is called .....
- a) Ammeter
  - b) Ampere
  - c) Voltmeter
  - d) Ohmmeter
34. A .....is a device which automatically trips when is an abnormal power supply into the circuit
- a) Fuse
  - b) Circuit breaker
  - c) Switch
  - d) Wire
35. ....is energy obtained from the sun
- a) Biomass
  - b) H. E. P
  - c) Solar energy
  - d) Chemical
36. A .....is a machine which converts the energy of wind into rotational energy by means of vanes
- a) Car
  - b) Windmill
  - c) Bicycle
  - d) Phone
37. ....is a device that accepts, manipulates and stores information.
- a) A radio
  - b) A computer
  - c) A cooker
  - d) A television
38. An environment is .....
- a) Soil
  - b) Air
  - c) Water
  - d) Everything surrounding us
39. The process whereby food is broken down into simpler substances that can be absorbed by the body is called
- a) Respiration
  - b) Fertilization
  - c) Digestion
  - d) Chewing
40. ....is a collection of instructions that perform a specific task when executed by a computer
- a) A computer program
  - b) A computer
  - c) A cursor
  - d) Microsoft excel

**SECTION B:** Answer the following questions by writing the answers in the answer sheet provided. Each question carries four (4) marks.

41. Mention two companies that manufacture computers

i) .....

ii) .....

42. A .....is a computer program used for organizing, analyzing and storing data in a table which is called excel by Microsoft.

43. Mention four types (4) of soil

i) .....

ii) .....

iii) .....

iv) .....

44. ....is a type of energy in heat form which originates from the Earth

45. ....is a type of renewable energy obtained from falling or running water.

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