## MINISTRY OF EDUCATION, SCIENCE AND TECHNOLOGY AND VOCATIONA TRAINING THEMI HILL PRE AND PRIMARY SCHOOL HOLIDAY PACKAGE SCIENCE GRD VI

NAME:.....DATE:.....CLASS......TIME: 1:30HOURS

## **INSTRUCTIONS**

- 1. This paper consists of forty five (45) questions in section 'A and B'
- 2. Answer All Questions
- 3. Write your answers in the answer sheets provided
- 4. Neatness is a must
- 5. Attach your answer sheets with the Question papers.

## **SECTION A**

## Choose the most correct answer and write its letter in the answer sheet provided.

- 1. Which of the following hormones helps in increasing body heat and energy during danger?.....
  - a) Aldosterone c) Vasopressin
  - b) Adrenaline d) Insulin
- 2. Which one of the following is not a characteristic of adolescents?
  - a) Hair appears on the groin and armpits
  - b) They increase in size
  - c) They develop wrinkles on the skin
  - d) Their reproductive organs mature and are ready for child bearing
- 3. Which among the following is a relationship between HIV and STD's......
  - a) HIV affects only those having sex while STDs do not
  - b) HIV and STDs are both transmitted through sexual intercourse
  - c) A person with STD is not in danger of getting infected with HIV
  - d) Both HIV and STDs can be cured by taking medicince

## 4. ....is a mosquito that transmits Malaria

- a) Female Anopheles c) Culex
- b) Aedes d) Filarial
- 5. Waste products removed from the body are called .....
  - a) Excretion c) Excreta
  - b) Organs d) Materials

6. ....is the upper most layer of the skin

- a) Dermis c) Follicle
- b) Chorion d) Epidermis

7. Which of the following is not a body waste products?

- a) Urea c) Feces
- b) Water d) Sweat

8. ....is a substance that cannot be split into simpler substances.

- a) An atom c) An element
- b) A molecule d) A valency
- 9. The gland which is found in the brain is called ...... gland
  - a) Adrenaline c) Pancreas
  - b) Pituitary d) Thyroid

10. Lack of .....causes night blindness

- a) Fats c) Vitamin A
- b) Carbohydrates d) Iodine

#### 11. When conception occurs the foetus stays in the

- a) Fallopian tubes c) Uterus
- b) Vagina d) Urethra

12. A symbol representing an element is called .....

- a) Chemical symbol c) Formula
- b) Valency d) A valency

13. A .....is a collection of two or more items together without any chemical reaction.

- a) Formula c) Molecule
- b) Compound d) Mixture

14. The human vocal cord used for making sound is known as .....

- a) Trachea c) Epiglottis
- b) Larynx d) Bronchus

#### 15. ....connects the kidney and the urinary bladder

- a) Urethra c) Ureter
- b) Capillary d) Penis

16. When two or more elements combine together chemically they form matter called ...

- a) A compound c) An element
- b) A mixture d) A molecule

|   | 17. The valency of nitrogen element | t is .   |   |
|---|-------------------------------------|----------|---|
|   | a) 2<br>b) 4                        | c)<br>d) |   |
|   |                                     | ,        |   |
|   | 18. A toms make<br>a) Skin          | റി       | Elements  |
|   | b) Compounds                        | -        | Substances  |
|   |                                     | ,        |   |
| 19. Another name for the windpipe is:   |                                     |          |   |
|   | a) Larynx                           | -        | Oesophagus  |
|   | b) Gullet                           | d)       | Trachea   |
| 20. How many poles does a bar magnet have?  |                                     |          |   |
|   | a) Three                            | -        | One   |
|   | b) Many                             | d)       | Two   |
| 21. Which gas do plants use to make their own food?                                 |                                     |          |   |
|   | a) Oxygen                           |          | Carbondioxide                                     |
|   | b) Nitrogen                         | d)       | Hydrogen  |
| 22. The Alveoli are found on the  |                                     |          |   |
|   | a) Heart                            | -        | Liver   |
|   | b) Nose                             | d)       | Lungs   |
| 23. Ais a change of matter where a new substance is formed.                         |                                     |          | ere a new substance is formed.                    |
|   | a) Chemical change                  |          |   |
|   | b) Physical change                  | d)       | Positive change                                   |
| 24. Scurvy is caused by lack of   |                                     |          |   |
|   | 5                                   | ,        | Vitamin B   |
|   | b) Vitamin C                        | d)       | Vitamin A   |
| 25. Granchele married Asha and they got a baby boy. Which chromosom                 |                                     |          | ot a baby boy. Which chromosomes represent a boy? |
|   | a) YY                               | c)       | XX and YY   |
|   | b) XX                               | d)       | XY  |
| 26. Living things are made up of tiny units called                                  |                                     |          | nits called                                       |
|   | a) White cells                      | -        | Nucleas   |
|   | b) Cells                            | d)       | Tissues   |
| 27. Which of the following processes can be used by my mchumba to separate hu rice? |                                     |          | an be used by my mchumba to separate husks from   |
|   | a) Sieving                          | -        | Winnowing   |
|   | b) Using a magnet                   | d)       | Filtration  |

28. Which of the following is not a sexually transmitted disease? a) Aids c) Tetanus b) Gonorrhoea d) Syphilis 29. The hormone that regulates the amount of sugar in the human body is..... a) Amvlase c) Iodine b) Insulin d) Glucose 30. In a scientific experiment the first step is..... a) Identifying the b) Data analysis d) Data collection problem c) Conclusion 31. X + IRON +OXYGEN = RUSTING letter 'X' represent..... a) Acid c) Water b) Base d) Milk 32. The positive charge of an atom is called ..... a) Electron b) Nentron c) Nucleus d) Proton 33. A scientific device for observing very small organisms is called ..... a) Microscope c) Thermometer b) Telescope d) Periscope 34. Animals that feed on both flesh and plants are named..... c) Herbivores a) Carnivores b) Omnivores d) Cows 35. ....is a change of solid water into liquid water a) Melting c) Freezing b) Boiling d) Changing 36. The chemical symbol representing mercury is ..... c) Cu a) Ag b) Hg d) Me 37. The electronic configuration of oxygen which has an atomic number o 8 is ..... c) 2:6:2 a) 2:6 b) 2:4 d) 2:8:8 38. A ..... is the power of an atom in an element to combine with another atom. a) Atomic number c) Element b) Valency d) Molecule

- 39. ....is a process where food substances are broken down into simpler substances so that they can be absorbed and used by the body.
  - a) Respiration c) Photosynthesis
  - b) Digestion d) Excretion

40. Breathing is a process which involves.....

a) Exhaling air and vapour

- c) Exhaling air from the lungs
- b) Exhaling and inhaling air into lungs

# d) Inhaling air into the lungs

- SECTION B: WRITE SHORT ANSWERS (TWO (2) MARKS EACH)
- 41. Balance the following chemical equations
  - $\begin{array}{rrrr} H_2 + Cl_2 & \longrightarrow HCl \\ H_2 + F_2 & \longrightarrow HF \end{array}$ i)
  - ii)

42. What is a control experiment? .....

43. Write the chemical symbols for the following elements. i) Silver ..... ii) Mercury ..... iii) Zinc iv) Iron .....

- 44. ....is an immediate help given to someone who has suffered a health problem before he/he is taken for further medical consultation.
- 45. ....is a condition where a person becomes too fat because of over eating starch and fattyfoods.

## **Prepared by** Aron W. Kassanga SCIENCE DEPARTMENT