

28. The film of dirt on teeth and found in the corners of teeth is called

- a. cement                      b. gum bleeding  
c. plaque                      d. tooth dirt

29. Sodium chloride solution is

- a. a salt                      b. a base  
c. an acid                      d. an alkali

30. Which of the following protect the testis?

- a. bladder                      b. penis  
c. scrotum                      d. urethra

31. Which of the following is a gas gaint?

- a. earth                      b. mars  
c. Saturn                      d. Venus

32. At the pupa stage mosquito undergoes

- a. vaccination                      b. metamorphosis  
c. fertilization                      d. ecdysis

33. Which of the following modes of heat transfer takes place in fluid?

- a. conduction                      b. convection  
c. evaporation                      d. radiation

34. An expert who looks after teeth is

- a. veterinary                      b. tooth fairy  
c. radiologist                      d. dentist

35. Iodine solution in the presence of starchy food turns

- a. blue-black                      b. brown  
c. green                      d. yellow

36. The closest planet to the sun is

- a. Uranus                      b. Saturn  
c. Mercury                      d. Jupiter

37. Which of the following organs produces bile?

- a. stomach                      b. pancreas  
c. liver                      d. Gall bladder

38. Which of the following is not a property of image formed in a pinhole camera?

- a. It is virtual                      b. it is real  
c. it is inverted                      d. it is diminished

39. Mosquito is a ..... because it transmit malaria to humans.

- a. vaccine                      b. vector  
c. parasite                      d. infection

40. The 8th element on the periodic table is

- a. Cl                      b. K  
c. Na                      d. O

## INTEGRATED SCIENCE

JHS 3

### DIRECTIONS FOR CANDIDATES

1. Use 2B pencil throughout. Press firmly.
2. Answer each question by choosing one of the lettered options 'A' to 'D' (the correct answer) and then, shade through the same letter chosen on your shading paper like this; [A] [B] ☒ [D]
3. If you want to change an answer, rub out completely the first mark on the shading paper completely.
4. If only four alternatives answers are given for each question, ignore the letter [E] on the shading paper.
5. There are 40 questions in all. Answer all questions in the section.
6. Make sure to present a neat work.

### **SECTION A – OBJECTIVES** **ANSWER ALL QUESTIONS**

1. Which of the following fertilizer can increase the acidity of soil?
 

a. Urea                      b. Green manure  
c. Compost                      d. background manure
2. Strong acid have PH value between
 

a. 0-5                      b. 4-7  
c. 7-10                      d. 10-14
3. Depleted soil can be restored by
 

a. soil erosion                      b. over cropping

- c. leaching  
d. bush fallowing
4. All the following are salts except  
a. NaCl  
b. Na<sub>2</sub>SO<sub>4</sub>  
c. CaCl<sub>2</sub>  
d. HNO<sub>3</sub>
5. Which of the following groups of teeth is referred to as the cheek teeth?  
a. premolars and molars  
b. premolars and incisors  
c. premolars and canines  
d. molars and incisors
6. Heat is transferred along an iron by .....  
a. conduction  
b. convection  
c. radiation  
d. reflection
7. Undigested food is stored as ..... in the rectum for some period of time.  
a. sweat  
b. faeces  
c. glycerol  
d. amino acid
8. The S.I. unit of heat is .....  
a. Pascal  
b. newton  
c. kelvin  
d. joules
9. The neck of tooth is the meeting point between .....  
a. milk and permanent teeth  
b. enamel and cement  
c. crown and root  
d. incisors and canines
10. The washing down of nutrient by rain water to lower level below the reach of plant roots is known as  
a. erosion  
b. leaching  
c. over cropping  
d. overgrazing
11. The process by which fertilizers are spread uniformly over the land is  
a. drilling  
b. ringing  
c. top dressing  
d. broadcasting
12. Which of the following bases is obtained from limestone?  
a. NH<sub>3</sub>  
b. NaOH  
c. KOH  
d. CaO
13. The reaction between milk of magnesia and stomach acid is an example of  
a. physical change  
b. neutralization  
c. evaporation  
d. digestion
14. All the following are macronutrient except  
a. iron  
b. nitrogen  
c. phosphorus  
d. potassium
15. Which of the following diseases causes malaria?  
a. aedes  
b. anopheles female  
c. culex  
d. plasmodium
16. Digestion of starch begins in  
a. ileum  
b. mouth  
c. liver  
d. stomach

17. Which of the following can be used as thermometric liquid?  
a. alcohol  
b. oil  
c. petrol  
d. water
18. Mixed fertilizer among the following is  
a. ammonia  
b. sulphate of potash  
b. NPK 15-15-15  
d. Potassium chloride
19. Indigestion in human can be related by  
a. NaOH  
b. Mg(OH)<sub>2</sub>  
c. HCL  
d. Ca(HO)<sub>2</sub>
20. The soil nutrient needed for photosynthesis and respiration are  
a. nitrates  
b. phosphates  
c. potassium ion  
d. sulphates
21. Which of the following changes blue litmus paper red?  
a. NH<sub>3</sub>  
b. KOH  
c. H<sub>2</sub>SO<sub>4</sub>  
d. NaOH
22. The part of the alimentary canal that links the mouth and the stomach is  
a. diaphragm  
b. ileum  
c. liver  
d. oesophagus
23. The part of teeth for tearing food is  
a. canine  
b. incisor  
c. molar  
d. premolar
24. The central part of an atom consist of a skeleton and proton  
a. electron and proton  
b. electron and neutron  
c. proton and neutron  
d. electron and nucleus
25. The type of soil that holds water for long time is  
a. clay  
b. loam  
c. sand  
d. silt
26. The S.I. unit for measuring mass of an object  
a. Kelvin  
b. Kilogram  
c. meter  
d. mole
27. Which of the following is an endo parasite?  
a. louse  
b. plasmodium  
c. tick  
d. tsetsefly