## STD 8 - YEAR 2016 SCIENCE

## READ THESE INSTRUCTIONS CAREFULLY

- 1. Use only an ordinary pencil.
- 2. Make sure that you have written on the answer sheet:-

(I) YOUR NAME

(II) NAME OF YOUR SCHOOL

- 3. For each question show the correct answer by drawing line in the brackets in which the letter you have chosen is written.
- 1. Which one of the following is <u>NOT</u> correctly matched with its function?
  - A. Reproductive system male and female organs
  - B. Excretory system skin, lungs, kidney
  - C. Breathing system bronchi, liver, lungs
  - D. Digestive system stomach, intestine, rectum
- 2. Which one of the following is a function of amniotic fluid?
  - A. Protect the umbilical cord from injury
  - B. Protect the foetus from shock and injury
  - C. Protects the womb and the placenta
  - D. Protect the placenta from damages
- 3. Boniface noted the following features on his way home.
  - (i) Has gills to breath
  - (ii) Have five or more pairs of jointed legs
  - (iii) Have two pairs of antennae

It is likely he saw a:-

A. urchin

B. myriapods

C. arachids

D. crustaceans

- 4. Which is the third largest planet in the solar system?
  - A. Jupiter

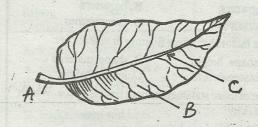
B. Uranus

C. Neptune

D. Saturn

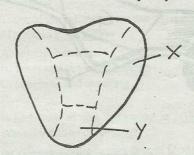
- 5. Chemical used in dips and sprays are known as:-
  - A. herbicides
  - B. acaricides
  - C. pesticides
  - D. fungicides
- 6. Three of the following fungi are useful in various ways. Which one is **NOT** useful?
  - . A. Yeast
    - B. Penicillin
    - C. Mildew
    - D. Mushroom

7. Name the parts labelled.



Time: 1 Hr 40 Mins

- A, B and C are:-
- A. Leaf blade, lamina and leaf vein
- B. Leaf stalk, leaf vein and leaf blade
- C. Lamina, leaf vein and petiole
- D. Petiole, lamina and leaf vein
- 8. Which of the following **CORRECTLY** shows the path taken by sperms from testis?
  - A. Epididymis ureter spermduct
  - B. Spermduct epididymis urethra
  - C. Epididymis spermduct urethra
  - D. Spermduct urethra epididymis
- 9.



The parts of the tongue labelled X and Y sense the taste:-

- A. sour and bitter
- B. sweet, salty and sour
- C. bitter, sour and sweet D. sweet and sour

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10.	A is a small finger-like membrane that			
		food from entering the windpipe.		
	A. lungs	B. trachea		
	C. epiglottis	D. larynx		
11.	Which one of the following is <b>NOT</b> a function of the stomach?			
	A. Mixes the food that is eaten B. Acts as temporary store for food C. Absorbs simple food into blood D. Production of chemicals called toxins			
12.	Three of the following are social effects of drugs abuse <b>EXCEPT:-</b>			
Profession and the second	A. truancy C. imprisonment	B. marital fights D. depressants		
13.				
	A. grazers	B. browsers		
	C. diastema	D. monotremes		
14.	The factor that affect floating or sinking are:-			
	A. shape, height C. material, size	B. shape, material D. length, height		
15.	One of these statements about liquids is true. Which one is it?			
*	A. They have no d B. They can contr C. They have no d D. They have defin	act and expand efinite volume		
16.	Which one of the following is formed last after fertilization and just after birth?			
	A. Foetus	B. Zygote		
	C. Ovary	D. Embryo		
17.				
		many - para debughibaga A		
		H W		
	-	6 //		

The diagram above represents a wheelbarrow with . the parts labelled E, F, G and H. When in use, the fulcrum is at point:-

A.E

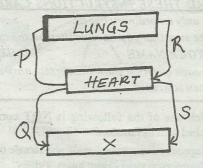
B.F

C. G

D.H

- 18. Which of the following is **NOT** necessarily a sign of unhealthy crops?
  - A. Stunted growth
  - B. Spots and streaks in leaves
  - C. Curled leaves
  - D. Shorter roots

Use the diagram to answer questions 19-20.



19. The blood vessels that carries deoxygenated blood away from the mammalian heart above is marked:-

A. Q B. P

C. S

D. R

20. The part marked X represent the:-

A. diaphragm

B. lungs

C. ribcage

D. body

21. Three of the following can be introduced as a predator to control pests **EXCEPT:**-

A. wasps

B. moths

C. praying mantis

D. lady bird beetle

22. Solid that remains on the filter paper or clot is called:-

A. filtrate

B. sediments

C. residue

D. solvent

23. Water and fresh milk when mixed can form a uniform solution referred to as \_\_\_\_\_ solution.

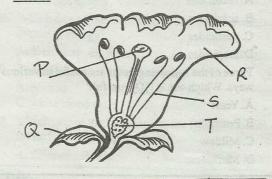
A. miscible

B. homogenous

C. genous

D. immiscible

Use the diagram below to answer questions 24 and 25



24. What is the function of the part marked R? A. Attracts insects B. Supports anthers C. Reduces nectar D. Protects the young flower 25. One of the following parts can be removed to observe the male parts of the above flower? B. P A.R C.Q D. T 26. The following are signs and symptoms of a certain (i) Swollen glands in the groin (ii) Soft and painful sores on the genitals Which is this disease? A. Syphilis B. Gonorrhoea C. Chancroid D. AIDS 27. The person infected looks healthy although when tested the presence of HIV may be detected in the blood. The victim therefore tests HIV positive. This refers to the stage known as \_\_\_\_ A. window B. AIDS C. sickly D. asymptomatic 28. The following are main effect of a certain drug. (i) Deep sleep (ii) Breathing problems leading to brain damage (iii) Overdose can kill The drug referred above could be:-A. cocaine B. mandrax C. alcohol D. tobacco 29. Non-flowering plants reproduce through tiny structures called:-A. pericarp B. spores D. tendril C. tuber 30. Plants Green Non-green Flowering Non-flowering (bean) The plant marked Y represents:-B. pawpaw A. mosses

C. maize

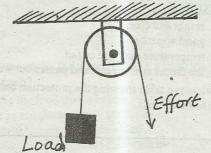
- 31. The following are signs of good health in animals EXCEPT:-
  - A. bright and clear
  - B. good appetite
  - C. temperature may rise or fall
  - D. the faeces is often soft and passes out with ease
- **32.** Below is a table showing the protection behaviour of some animals.

Stinging	Sting	X
Y	Body muscles	millipede
Biting	fangs	Z

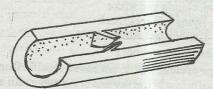
- X, Y and Z respectively represents:-
- A. wasp, coiling and snake
- B. bee, flying and cockroach
- C. wasp, hiding and millipede
- D. snake, wasp and bees
- 33. The type of cloud that do not have a specific shape, are usually low in the sky and bring about rain are clouds.
  - A. cumulus
  - B. cirrus
  - C. nimbus
  - D. stratus
- 34. Which one of the following is <u>NOT</u> a use of water for research?
  - A. Swimming
  - B. Fountain
  - C. Surfing
  - D. Fishing
- 35. Three of the following are the signs and symptoms of typhoid EXCEPT:-
  - A. severe diarrhoea
  - B. fever and severe headache
  - C. coughing and sneezing
  - D. vomiting
- 36. Which one of the following is <u>NOT</u> a way of preventing food poisoning?
  - A. Checking the expiry date of foods
  - B. Consume canned food as soon as they are opened
  - C. Checking manufacturing date of food
  - D. Proper hygiene and sanitation

D. mushroom

37. Which one of the following statements about the machine is false?



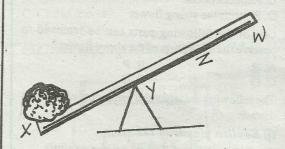
- A. The load distance is equal to the effort distance
- B. The load is twice the effort used
- C. The load is equal to the effort used
- D. The load moves in opposite direction
- 38. Which one of the following is the name given to the fertilized ovum that has implanted on the uterine
  - A. Foetus B. Zygote C. Embryo D. Egg
- 39. The diagram below shows a blood vessel.



Which of the following is likely to be the vessel shown above?

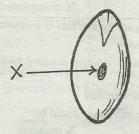
- A. Aorta
- B. Pulmonary artery
- C. Valve
- D. Venacava
- 40. Quarantine is used to
  - A. prevent all animal diseases
  - B. treat highly contagious livestock diseases
  - C. gives animals immunity against diseases
  - D. control high contagious livestock diseases
- 41. Which one of the following is NOT a disadvantage of friction?
  - A. Stops movement when necessary
  - B. Produces unwanted heat
  - C. Make work difficult
  - D. Wears out surfaces
- 42. One of the following animal feeds is preserved in its original colour. Which one?
  - A. Pellets
- B. Marsh
- C. Hay
- D. Silage
- 43. Which one of the following is a sign of good health in plants?
  - A. Variegated leaf
- B. Stunted growth
- C. Spots and streaks
- D. Wilting

- 44. The following are plants nutrients. Which one is a macro-nutrient?
  - A. Manganese B. Iron C. Zinc D. Magnesium
- 45. The diagram below shows a lever at work.



It is true to say that:-

- A. moving Y towards X makes work easier
- B. increasing distance Y W makes work difficult
- C. shortening distance X Y has no effect
- D. less effort is needed by shortening by Y W
- 46. The diagram below shows a bean seed.



The diagram labelled X is for:-

- A. an injury to the seed
- B. entry of air and water
- C. attachment of seed to fruit wall
- D. attachment of fruit to fruit wall
- 47. Examples of storage pests are:-
  - A. rats and weevils
  - B. weevils and weaver birds
  - C. cutworms and plants
  - D. rats and aphids
- 48. Which one of the following is an non-renewable source of energy?
  - A. Kerosene B. Wind
- C. Sun
- D. Biogas
- 49. The liquid part of blood is called:-
  - A. plasma
- B. red blood
- C. white blood cells
- D. platelets
- 50. Which one of the following is the BEST material for making a lighting arrester?
  - A. Copper B. Zinc
- C. Bronze
- D. Iron