

THE UNITED REPUBLIC OF TANZANIA

PRESIDENT'S OFFICE- RALG

PRIMARY EDUCATION SERVICES NETWORKING ORGANIZATION (PESNO)



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STANDARD VII BONUS MOCK EXAMINATION

SUBJECT: SCIENCE [03]

TIME: 1HR: 30MIN

CANDIDATE'S NAME: _____

SCHOOL: _____

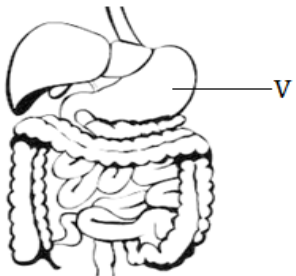
DISTRICT: _____ **REGION** _____

INSTRUCTIONS:

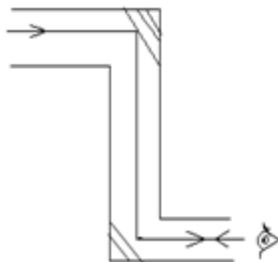
1. Fill in the prime personal information in the first part of your answer sheet
2. This paper consists of 45 questions with section A and B in four printed pages
3. Answer all questions as per instructions in each section
4. Observe neatness in your workings
5. Shade the correct answer on the OMR answer sheet given for no. 1 to no. 40
6. For no. 41 to 45 write the answers at the back of the (OMR) answer sheet given

SECTION A: 40 MARKS

From question 1-40 select the correct answer then shade it on the OMR answer sheet provided

1. Villagers of Ulima eat the following food, rice, meat fish and pumpkins. In order to get balanced diet, what type of food should they add?
 - a. Eggs and vegetables
 - b. groundnuts and vegetables
 - c. fruits and avocado
 - d. cassava and carrot
 - e. fruits and vegetables
 2. How many parts is a plant divided into?
 - a. Two
 - b. one
 - c. four
 - d. five
 - e. three
 3. Which type of mirror can be used in order to see our image clearly?
 - a. Concave
 - b. plane
 - c. convex
 - c. lens
 - e. prism
 4. Which cells among the following can stay for a period of four months?
 - a. Red
 - b. plasma
 - c. white
 - d. platelets
 - e. red and white
 5. Which type of food does digestion begin at the part labeled V?
 - a. Carbohydrates
 - b. Fat and oil
 - c. Proteins
 - d. Vitamins
 - e. Minerals and salts
- 
6. Seeds are dispersed by different ways; coconut seeds are dispersed by
 - a. Water
 - b. wind
 - c. sun
 - d. bursting
 - e. air
 7. The following are the proper ways of using and storing medicines **EXCEPT**:
 - a. Keep medicine out of children's reach
 - b. Expired medicine can be used but must be instructed by the doctor
 - c. Each medicine should be labeled with instructions on how to use it
 - d. Medicine should be used as prescribed by the doctor
 - e. Wash your hands with soap after using any medicine
 8. Some bacteria improve the soil by-
 - a. Helping matter to decay
 - b. reducing growth of insects
 - c. destroying weeds
 - d. increasing the amount of oxygen
 - e. adding warmth in the soil
 9. Which insect transmits a disease known as elephantiasis?
 - a. Tsetse fly
 - b. house fly
 - c. cockroach
 - d. flea
 - e. mosquito
 10. Which list of the following diseases is caused by virus?
 - a. Tetanus, Tuberculosis and measles
 - b. Measles whooping cough and chicken pox
 - c. Chicken pox, bilharzia and cholera
 - d. Cholera, polio and measles
 - e. Polio, chicken pox and measles
 11. The symbol  represents an instrument that measures
 - a. Current
 - b. resistance
 - c. presence of electricity in the circuit
 - d. electrical pressure
 - e. transformer
 12. Which among the following things cannot reflect sound?
 - a. A wall
 - b. sofa and sponge
 - c. short wall
 - d. a big house
 - e. high mountain
 13. Sound can travel in the following matters except;
 - a. Iron
 - b. water
 - c. vacuum
 - d. string
 - e. air

14. The diagram below represents a device which is used to



- a. Observe distant objects like in the sky
- b. Observe very small objects like bacteria
- c. Observe hidden objects like behind the mountains
- d. Measure length of objects like a table
- e. Measure weight of an object like rice

15. The nervous system is mainly controlled by;

- a. Sensory organs b. blood vessels c. spinal cord d. the brain e. nerves

16. Which lack of vitamin causes bleeding gums and poor healing of wounds?

- a. K b. E c. B₂ d. C e. A

17. Doing body exercise more often can be a solution to one of the following problems;

- a. Kwashiorkor b. high blood pressure c. low blood pressure d. anemia e. malnutrition

18. A pair of scissors is an example of a lever of;

- a. Second class b. first class c. third class d. sixth class e. fifth class

19. Which of the following organs does not produce hormones?

- a. Pancreas b. ovary c. liver d. testis e. stomach walls

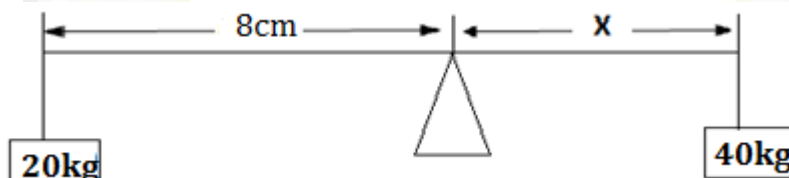
20. Which of the following is the symptom of gonorrhea?

- a. Itching of the private parts b. frequency of urination is little c. discharge of pus and sharp pain during urination d. appearance of blood in the urine e. rashes in the private parts

21. The ratio of load force to the effort force is known as;

- a. Mechanical advantage b. speed formula c. speed d. velocity ratio e. lever

22. Find the value of x in the following diagram



- a. 8cm b. 2cm c. 16cm d. 4cm e. 10cm

23. In order to prevent blood deficiency, a pregnant woman is supposed to eat food rich in-

- a. Mineral salts b. carbohydrates c. proteins d. vitamins e. fat

24. How many ribs does a complete human being have?

- a. 12 b. 10 c. 20 d. 25 e. 24

25. Which device among the following is used to measure the amount of moisture in the air?

- a. Barometer b. anemometer c. thermometer d. hygrometer e. periscope

26. Which part of a flower is green in color?

- a. Petals b. sepals c. stigma d. ovary e. filament

27. In which way do plants lose water?

- a. Translocation b. transpiration c. respiration d. photosynthesis e. osmosis

28. The main enemy of HIV which causes AIDS in the body is

- a. Heart b. ARV c. the living white cells d. plasma e. red blood cells

29. Which of the following is the responsibility of the society to the people living with HIV?

- a. To treat them with HIV drugs b. to isolate them from other people c. eating and playing with them with precautions d. to love, help and console them e. to gather them in a special place in order to get help

30. How can you identify a person with HIV?
 a. Appearance coughing a lot b. attendance in the hospital c. his/her behavior d. e. blood screening
31. In order for osmosis to take place, there must be-
 a. Potato, water and stone b. potato, water and salts c. potato, with nothing else
 d. potato, knife and stone e. potato, water and sand
32. Identical twins who resemble in every aspect develop from
 a. A single fertilized egg that divides into two
 b. A single egg which has not divided
 c. Two eggs which develop from one ovary
 d. Two eggs which do not split
 e. A single egg with two embryos
33. Which one of the following is **NOT** an act of excretion?
 a. Breathing out of carbon dioxide b. sweating c. urination
 d. defecation(egestion) e. removal of salts from the body
34. First aid is rendered by-
 a. Doctors b. police c. special group d. a person with proper knowledge e. nurse only
35. In order to recover salt from water, which is the best method to use?
 a. Evaporation b. separating by hand c. boiling d. using colored paper e. filtration
36. The fourth step in scientific investigation is-
 a. Conclusion b. hypothesis c. data collection d. identify a problem e. data analysis
37. Electricity has a relationship with-
 a. Light b. iron c. wind d. heat e. magnet
38. What is the name of the small ball like structures found inside the lungs?
 a. Bronchioles b. air sacs c. diaphragm d. abdomen e. larynx
39. Which animal among the following does not have a backbone?
 a. Snake b. millipede c. pigeon d. frog e. crow
40. A metal in liquid state that is used in thermometer is known as-
 a. Magnesium b. aluminum c. calcium d. sodium e. mercury

SECTION B: SHORT ANSWER QUESTIONS

41. Which kind of gas is used by leguminous plants to fertilize the soil?
42. Mention one method which is used to present data of scientific investigation-
43. No machine has an efficiency of 100%. Which force is responsible for the loss of efficiency?
44. Which organ in the body is very powerful and is used to pump blood?
45. Calculate the value of R1 when the switch is closed.

