



VICTORYY STEP EDUCATION SERVICES

PRE MOCK SET ONE 2022

INTEGRATED SCIENCE

TIME: 2HRS 15 MINUTE

INDEX NUMBER

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DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO

Read the following instructions carefully.

- 1.This paper has two sections **A** and **B**.
- 2.Section A, has 40 questions (40marks)
- 3.Section B has 15 questions (60marks)
- 4.Answer all questions: All answers to both sections A and B must be written in spaces provided in full sentences.
- 5.All answers must be written using a blue or black ball point pen or ink pen but not pencil. All diagrams must be drawn using a pencil.
- 6.Unnecessary alteration of work will lead to loss of marks.
- 7.Any handwriting that cannot easily be read , may lead to loss of marks.

SECTION A

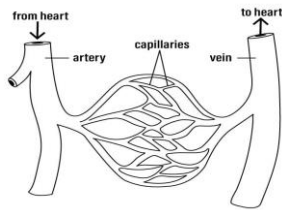
1. Give one way of controlling mosquitoes apart from using chemicals.

.....

2. In which one way does food get dirty?

.....

3. Of what use is the blood vessel drawn below?



.....

4. Which type of alcohol leads to blindness?

.....

5. Mention any one biological feature used to classify animals.

.....

6. State the difference between volume in sound and volume in measurements.

.....

.....

7. Apart from the heart, give one other organ of the circulatory system

.....

8. Which group of non – flowering plants reproduces by means of seeds?

.....

9. How is the endosperm important to a maize grain?

.....

10. What type of cattle is kept for labour?

.....

11. Which gas in the atmosphere is used for preserving soda?

.....

12.State one natural factor that pollute the environment

.....

13.How is the process of respiration useful to the body?

.....

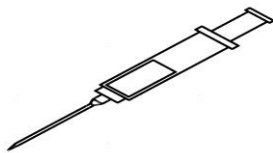
14.Give any one way in which people can harvest water at home

.....

15.In which one way is regular cleaning of clothes important?

.....

Study the diagram below and use it to answer the questions that follow.



16.Name the instrument shown in the diagram above

.....

17.Give any one use of the above equipment to a cattle farmer

.....

18.How is a first aid box different from a first aid Kit?

.....

19.Why should a ventilated improved pit(VIP) latrine be left without a lid?

.....

20.How is the process of reproduction useful to living things?

.....

22.How can farmers protect their garden tools from rusting?

.....

23.Why is melting of candle wax called a physical change?

.....

24.How do individuals in the community contribute to sanitation?

.....

25.Give one example of the food stuffs pregnant mothers should eat to get minerals.

.....

26.How can a school contribute to the promotion of primary health care in a community?

.....

27.Which class of food is important for the formation of blood in the body?

.....

28.How does regular brushing of teeth help to control tooth decay?

.....

29.Give the use of carbon dioxide to food processors.

.....

30.State one way people make use of insulators at home

.....

31.How does the undigested food get out of the body?

.....

32.Why is clay soil the best for pottery?

.....

33.Give any one method of honey extraction.

.....

34.How is a spur important to a cock?

.....

35.Why are plants called renewable resources?

.....

36.Which type of germ causes malaria in human beings?

.....

37.Mention one way a razorblade is used to promote personal hygiene

.....

38.Which group of non - flowering plants has the tap root system?

.....

39.What is the difference between safe water and clean water?

.....

40.How is the reproduction in fish similar to that in frogs?

.....

SECTION B(60 marks)

41a).Give the difference between puberty and adolescents.

.....

.....

b)State any one emotional change in a dolescents.

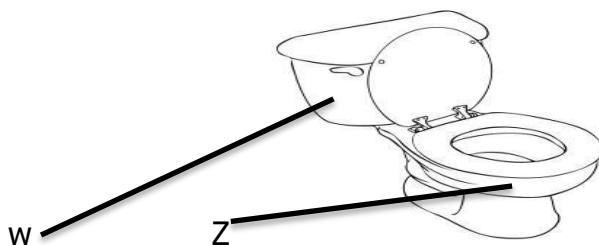
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c)In which way are the following useful to the foetus during pregnancy

i)placenta.....

ii)Umblical cord.....

42.The diagram below shows a flush toilet.Study it carefully and use it to answer the questions that follow.



a)Name the part labelled

W.....

Z.....

b)State the function of the septic tank to the flush toilet

.....

c)Give one way of maintaining the above toilet in a good working condition

.....

43a)Which term refers to animals without a backbone?

.....

b)List any two groups of animals without a backbone

i).....(ii).....

c)State the mode of reproduction which is common in most animals without a backbone.

.....

44a)Why is the first degree burn referred to as a minor burn?

.....

b)Mention the first aid for the first degree burn

.....

c)State any two principals of first aid.

.....

.....

45a)Name the viral waterborne disease of the muscular- skeletal system.

.....

b)Give any one way in which the disease you have mentioned in 44(a) above affects the body.

.....

c)State any two ways the above disease can be controlled.

.....

.....

46a)Which type of immunity is got by a baby breast feeding from her mother?

.....

b)Why is it important to immunise children against immunisable diseases at infant age?

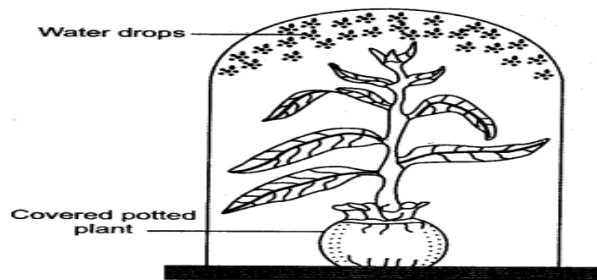
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c)Apart from breast feeding , give two other ways babies acquire immunity

.....

.....

47The diagram below shows an experiment carried out to investigate a certain plant process.Study it and use it to answer the questions that follow.



a)Name the plant process.....

b)State two factors that affect the rate of the above process .

i).....(ii).....

c)How do animals benefit from the above plant process?

.....

48a)In the table below list A shows equipment used in livestock farm and List B shows their uses complete it by filling in what is missing.

A

B

Drenching gun
.....	For detecting mastitis.
Lactometer
.....	For castrating bulls

49a)Write down one way of conserving each of the following resources.

i)plants.....

ii)Animals.....

b)Which gas in the atmosphere is used for respiration?

.....

c)Give one human activity that pollute soil.

.....

50a)Name any one material from which salt can be prepared at home.

.....

b)State the method that is used to prepare local salt at home.

.....

c)Give any two ways in which local salt prepared at home is useful to people.

.....

.....

51a)Give the meaning of the word **reproduction**

.....

b)Where do the following processes take place in the female reproductive system?

i)Fertilisation.....

ii)Conception.....

c)State one way of caring for the reproductive organs in humans.

.....

52The diagram below shows three bells use them to answer the questions that follow.



A

B

C

a)Identify the bells that will produce sound of the;

i)highest pitch.....

ii)Lowest pitch.....

b)In which state of matter does sound travel fastest?

.....

c)Write down one disorder of the human ear.

.....

53a)How are valves important in veins?

.....

b)Give two structural differences between veins and arteries.

.....

.....

.....

c)In the space below draw a white blood cell.

54a)Why are kitchens built with chimneys?

.....

b)In which state of matter does heat travel slowest?

.....

c)Give any two effects of heat loss on matter.

.....

.....

55a)Give one type of a germ.

.....

b)Identify three ways how diseases are spread from one person to another.

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