

VES ONLINE

SEPTEMBER ASSESSMENT 2021

CLASS : P.7

SUBJECT : INTEGRATED SCIENCE

DURATION : 2 HOURS 15 MINUTES

Name: _____

Stream: _____ **Campus:** _____

Read the following instructions carefully:

1. The paper has two sections **A** and **B**
2. Answer **ALL** questions. All answers to both sections **A** and **B** must be written in the spaces provided.
3. All answers must be written using a **blue** or **black** ball-point pen or ink.
4. Unnecessary changes of work may lead to loss of marks
5. Any **handwriting** that cannot easily be read may lead to loss of marks.
6. Do **not** fill anything in the boxes shown: “**For examiners’ Use Only**” and those inside the question paper.

FOR EXAMINER’S USE ONLY

Qn. No.	Marks	Examiners’ No.
1 – 10		
11 – 20		
21 – 30		
31 – 40		
41 – 50		
51		
52		
53		
54		
55		
TOTAL		

SECTION A (40 MARKS)

1. Name any **one** element of weather.

2. Give **one** disadvantage of using hard paper when using a toilet.

3. Which element of PHC helps to reduce infant mortality rate.

4. Name the male reproductive cell in animals.

5. In which **one** way are echoes useful to bats?

6. Identify the first aid you can give to a person who has had a sprain on the ankle.

Below is part of a flower. Use to answer questions 7 and 8.



7. Name the part of a flower shown above.

8. How part is marked **X** useful to a flower during pollination?

9. Name **one** vaccine that should be given to babies soon after birth?

10. Name any **one** secondary sex characteristics common in adolescent girls.

11. Why should clothes be sorted before actual washing?

13. What advice can you give to mother whose child is showing the following signs, **pot belly stomach, wasted muscles, brown hair that falls off head, swollen face and limbs?**

14. Name the part of the skeleton that protects the brain.

15. Why do most cattle farmers prefer rearing dairy cattle?

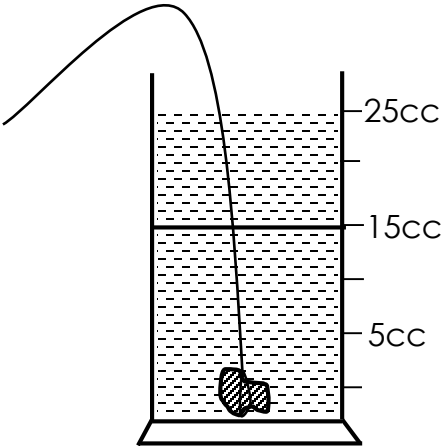
16. State any **one** way of saving electricity at home.

17. Name the safety device that breaks or completes the circuit at ones 'will?

18. In which state of matter is smoke?

19. How does boiling water make it safe for drinking?

The diagram below shows a method of finding volume. Use it to answer questions that follow.



- 20. Name the method of finding volume shown above.

- 22. How do electrician avoid electric shocks while installing electricity in a building?

- 23. Why are electric wires insulated?

- 24. Mention any **one** way you can keep magnets stronger for a long time.

- 25. How does the proper use of latrines control the spread of diarrheal diseases?

- 26. State **one** condition necessary for seed germination.

- 27. Name the vector that spreads sleeping sickness.

- 28. In which **one** way is drug abuse dangerous to human health?

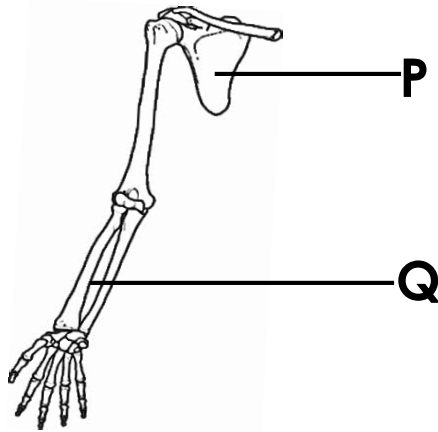
29. How are muscles important in the body of an animal?

30. How is a stretcher important in giving first aid?

31. Give any **one** poultry disease that can affect rabbits

32. State any **one** activity a P.7 child can do control the spread of Malaria at home.

33. **Use part of the skeleton below to answer that follow.**



34. State the structural difference between bone **P** and **Q**.

35. How are sweet potato plants propagated?

36. State **one** proper way of using broken pots and bottles at home.

37. State any **one** disorder of bones.

38. Apart from getting food and oxygen give one other way people benefit from plants in the environment.

39. A freely suspended magnet rests facing North - South direction. Which group of technical people find this property useful daily?

40. How is the lifecycle of a housefly different from that of a cockroach?

SECTION B (60 marks)

41. a) What is seed dispersal?

b) Mention any **two** mechanisms of seed dispersal.

i) _____

ii) _____

c) How is seed dispersal useful to a crop farmer?

42. **The diagrams below show types of different types of cattle. Use them to answer following questions.**



a) Name the main product got from cattle **A**.

A _____

b) Name any **two** breeds of cattle kept for milk production.

i) _____

ii) _____

c) State any **one** factor that lower production of milk on a cattle farm.

43. a) Name the type of electricity which is produced between non conductors.

b) In which **one** is lightning harmful in the environment.

c) State any **two** measures one can take to protect themselves from dangers of lightning.

i) _____

ii) _____

44. a) Give **one** example of each of the following.

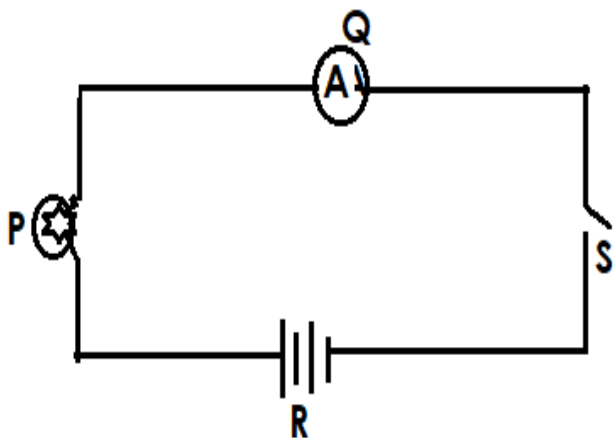
i) Root tubers: _____

ii) Stem tubers: _____

b) A sugar cane stores its food in its stem. Why it is not called as a stem tuber?

d) Give **one** reason for drying cassava before storage.

45. **The diagram below is of an electric circuit, use it to answer that questions that follow.**



a) Name the parts marked **P** and **Q**.

i) **P**. _____

ii) **Q**. _____

b) State the energy change that takes place at **P** when **S** is closed.

c) Calculate the voltage used the above circuit.

46. a) How is breast feeding important to;

i) Baby; _____

ii) Mother; _____

b) Give **one** condition that may force a mother to carry out bottle feeding.

c) Why should babies be weaned at six months?

47. a) Name any **two** examples of energy resources.

i) _____

ii) _____

b) How are the following used as energy resources?

i) plants. _____

ii) animals. _____

48. a) Name the body organ that helps to pump blood to all body parts.

b) Give the blood component that is affected by the following diseases.

i) HIV/AIDs: _____

ii) Malaria: _____

c) Give **one** use of blood in the body.

49. **Use the table below to answer questions that follow.**

X	Y
Nickel	paper
Iron	rubber
cobalt	clay

a) Which group of materials above are non - magnetic?

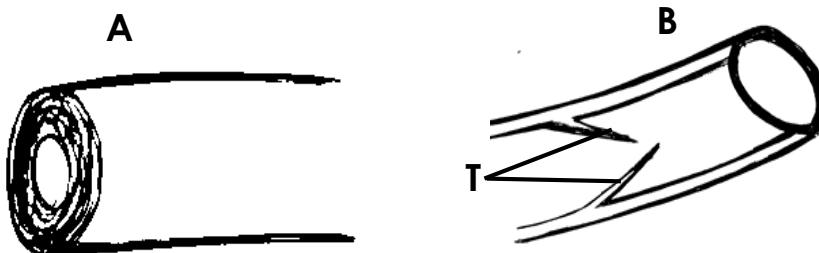
b) Give any **two** properties of magnets.

i) _____

ii) _____

c) How do doctors make use of magnets?

50. **The diagrams below show blood vessels, use the to answer questions that follow.**



a) Name the blood vessels labelled **A** and **B**.

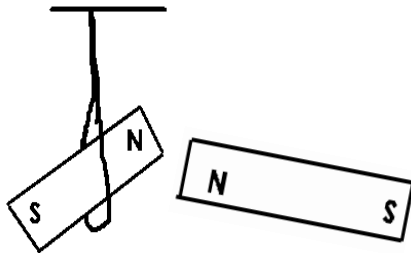
i) _____

ii) _____

b) How is the structure marked **T** important during blood circulation?

c) State the structural difference between blood vessel **A** and **B**.

51. *The diagram below shows two magnets placed next to each other.*



a) State what is happening to magnets **A** and **B** in the experiment?

b) Give a reason for your answer.

c) Mention any **two** ways a P.7 candidate can destroy a magnet.

i) _____

ii) _____

52. a) Mention **two** examples of plants that do not bear flowers.

i) _____

ii) _____

b) How is the reproduction of a moss plant different from that of a bean plant?

c) State any **one** use of trees planted in the compound.

53. a) Name the part of reproductive organ where ovulation takes place.

b) State the function of each of the following parts of human reproductive system.

i) Oviduct: _____

ii) Uterus (womb): _____

d) Give **one** way of controlling teenage pregnancies at home.

54. a) Name the food made by plants during the process of photosynthesis.

b) Mention the **two** raw materials plants need to make the food you have mentioned above.

i) _____

ii) _____

c) How is chlorophyll useful to plants as they make food?

55. **Study the table below and complete it correctly.**

Type of joint	Body part	Kind of movement
i) _____	Knee, elbow	One plane movement
Ball and socket joint	i) _____	ii) _____
Pivot joint	iii) _____	Allows rotational movement