



DIVINE EDUCATION CENTRE
PRE-PRIMARY LEAVING EXAMINATION
2022

INTEGRATED SCIENCE (ITEM 3 of 4)

Time allowed: 2 hours 15 minutes

Random No.						Personal No.		

Candidate's name:

Candidate's Signature:

District No:

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Read the following instructions carefully:

1. Do not write your **school** or **district name** anywhere on this paper.
2. This paper has two sections **A** and **B**. Section **A** has **40 questions** and **section B** has **15 questions**. This paper has **12 pages** printed altogether.
3. Answer **all** questions. All the working for both sections **A** and **B** must be shown in the spaces provided.
4. **All** working must be done using a **blue** or **black** ball point pen or ink. Any work done in pencil will **NOT** be marked except drawings and diagram.
5. Unnecessary **changes** in your work and handwriting that cannot be easily read may lead to loss of marks.
6. Do not fill anything in the table indicated
"For examiners' use only" and the boxes inside the question paper.

FOR EXAMINERS' USE ONLY		
Qn. No.	MARKS	EXR'S No.
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

SECTION A (40 MARKS)

Questions 1 to 40 carry 1 mark each

1. Name any one item children can use to clean their teeth.

2. Which structure in the nose helps to trap dust in the nose?


3. What is the function of red blood cells in the body?

4. Of what importance is oxygen during seed germination?

5. Which part of a cow is affected by mastitis?

6. Give the component of the soil that improves on soil fertility.

7. How does the use of the birth control pills promote family planning in a home?

8. The diagram below shows an electric symbol. Name the symbol.


9. Give one advantage of covering food while cooking.

10. Why do people harvest rain water?



11. State one danger of poor sanitation in a community.

12. Name one item used in fighting fire outbreak.

Below is a type of weather. Use it to answer question 13.



13. How can people protect themselves from such a type of weather?

14. State one agricultural practice which can lead to land pollution.

15. Give one example of a fossil fuel.

16. Write one primary change that happens to girls during adolescence.

17. Why is pricking out important in crop growing?

Study the diagram below of a simple machine. Use it to answer question 18 and 19



18. To which class of levers does the machine above belong?

19. Use an arrow to show the position of effort on the simple machine above.

20. In which state of matter does sound travel slowest?



21. What causes a mirage on hot days?

22. Give the role of rennin in the baby's stomach.

23. Of what use is the proboscis to an insect like a mosquito?

24. Name the part of the heart which has the same function as a kink of a thermometer.

25. Suggest any one use of cats to farmers.

The diagram below shows a beak of a bird.



26. What does the bird whose beak is shown above feed on?

27. State one way in which birds are similar to mammals.

28. How can one change the pitch produced by the panpipes?

29. Which part of the human ear carries sound message to the brain?

30. What magnet is made using electricity?



31. State one way arteries are suited to their function.

32. Give one best method of preventing teenage pregnancies.

33. What excretory organ is responsible for removing bile pigments?

34. State one effect of alcoholism to an individual.

35. Write one factor that can make people abuse drugs.

Study the diagram of cowpeas and answer question 36.



36. Name the method of seed dispersal do cowpeas undergo?

37. In the space below draw a lens for correcting long sight.



38. Apart from trapping food, give any other reason why chameleons change colours.

39. Give one cause of malnutrition at home.

40. Suggest one characteristic of images formed in a pin hole camera.



SECTION B : 60 MARKS

Questions 41 to 55 carry 4 marks each.

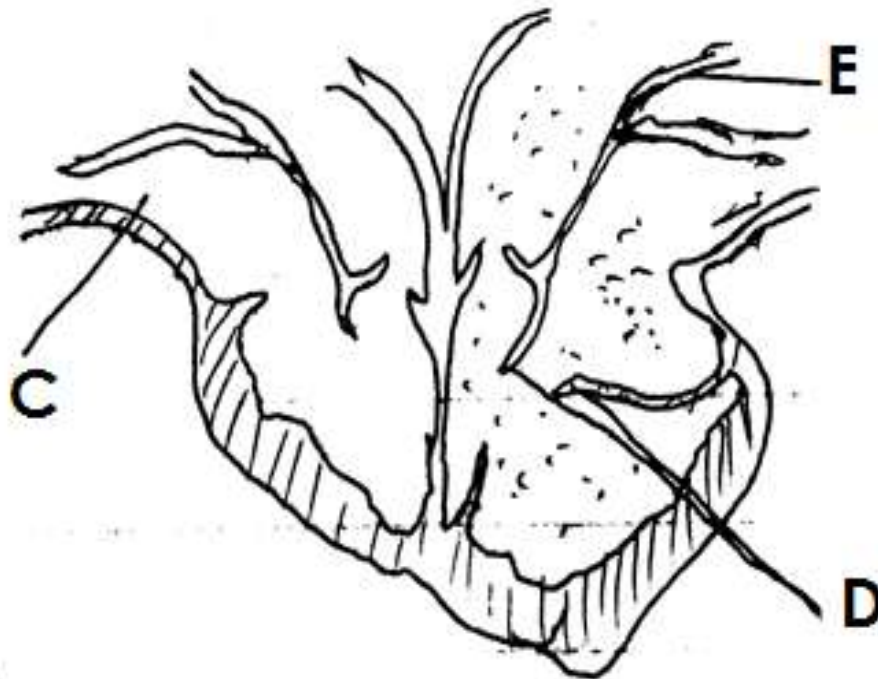
41. a) Write Covid – 19 in full.

b) Mention one sign of Covid -19

c) State any one way of controlling the spread of Covid -19 among ourselves.

d) Give any one vaccine given against Covid-19

42. The diagram below shows a human heart. Study it and answer questions that follow.



a) Identify parts marked C and E

C _____ E _____

b) What is the role of structure labeled D?

c) Why does blood from the lungs go back to the heart?

43. a) Name two fungal diseases.

(i) _____

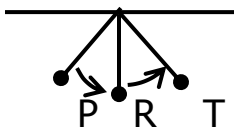
(ii) _____

b) Identify any one fungi used for medical purpose.

c) What do fungi feed on?



44. Study the diagram of a swinging pendulum of Bob and answer the questions that follow.



a) Identify the form of mechanical energy possessed by Bob at R and P

R _____

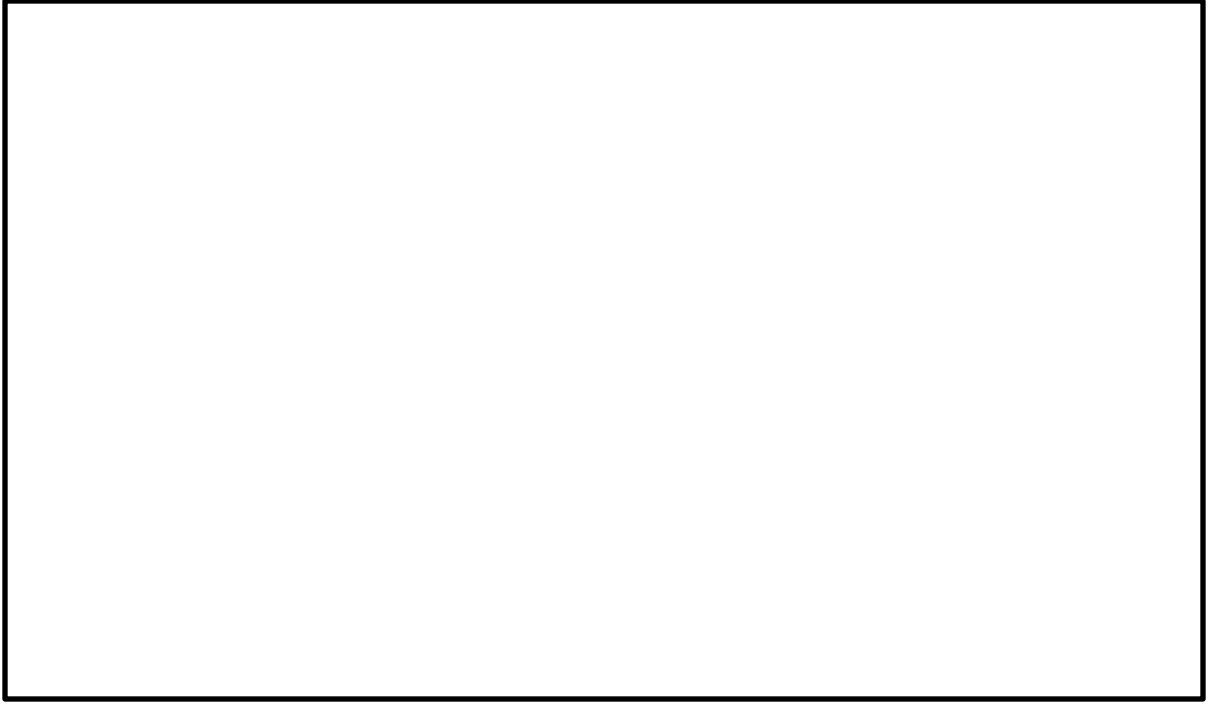
P _____

b) Give any two uses of heat gain to people.

(i) _____

(ii) _____

45. Draw an experiment below to show that soil contains air (4marks)



46. a) Name the non-metallic conducts of electricity in dry cells.

b) Give two advantages of using electricity.

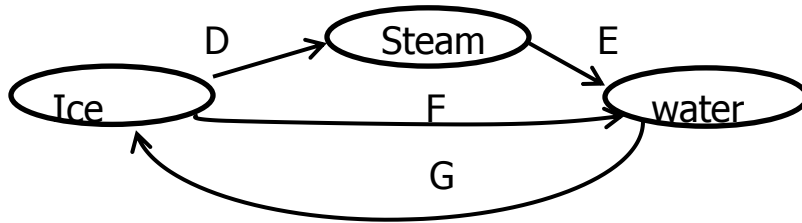
(i) _____

(ii) _____

c) When does a short circuit happen?



47. Use the illustration about states of changes below to answer questions that follow.



a) Name the change of state of matter marked E and G

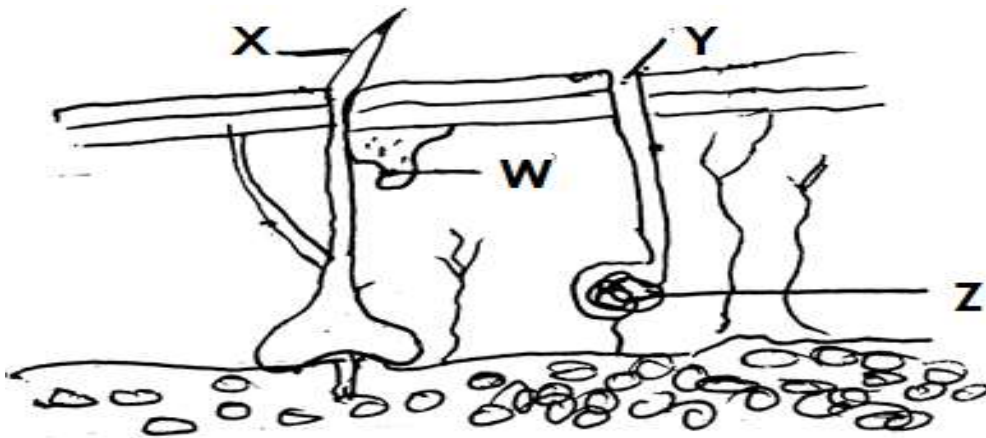
E _____

G _____

b) In what state of matter is ice in the illustration?

c) State one way in which process marked F is important to people

48. The diagram below is of the human skin. Use it to answer questions that follow



a) Name the parts of the skin labeled X and Y

X _____

Y _____

b) How useful is part marked Z in the body?

c) Which childhood immunisable disease affects the above organ?

49. Match the items in list A with those in list B

A

Pneumonia

Polio

Hepatitis

Rota virus diarrhea

B

Sabin vaccine

rotavirus vaccine

PCV

Hep B

Pneumonia _____

Polio _____

Hepatitis _____

Rota virus diarrhea _____



50. a) Mention any two causes of anti-social behaviour.

(i) _____

(ii) _____

(b) In which one way can anti-social behaviour affect the community?

(c) Give the difference between arson and truancy.

51. a) Name one example of pack animal

(b) Which energy resource is got from decomposition of plants and animal remains?

(c) Give two advantages of using the above energy resource when cooking food over wood fuel.

(i) _____

(ii) _____

52. a) What is fever?

(b) Write down any two diseases that may lead to fever.

(i) _____ (ii) _____

(c) Why are mothers encouraged to apply tepid sponging to their babies with malaria?



53. a) What general term refers to the deposition of eroded soil into water bodies?

(b) Give one way in which non-biodegradable materials affect soil.

(c) How can people control the effects of non-biodegradable materials?

i) _____

ii) _____

54. The list below shows organism in the environment.

Dog	Owl	Frog	Bat
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a) From the above list ,which two organism belong to the same group?

(i)_____ (ii)_____

b) To which group of vertebrates does a frog belong?

c) How is an owl adapted to flying?

55. a) What principle does a periscope work?

(b) Give one use of a periscope to a submariner.

(c) Apart from the periscope, give any other two optical objects.

END

