

# JINJA DISTRICT MOCK ASSESSMENT 2023

## INTEGRATED SCIENCE

Time allowed: 2 HOURS: 15 MINUTES

INDEX NO.

EMIS			PERSONAL No.					

CANDIDATE'S NAME: .....

CANDIDATE'S SIGNATURE: .....

RANDOM NUMBER: .....

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

Read the following instructions carefully.

1. This paper is made up of **two** Sections: **A** and **B**.
2. Answers to both sections must be written in the spaces provided in full sentences.
3. Section **A** has **40** questions (40 marks)
4. Section **B** has **15** questions (60 marks)
5. Attempt all questions. All answers to both sections **A** and **B** must be written in the spaces provided.
6. All answers must be written in blue or black ballpoint pen or ink but not in pencil. All work done in pencil, except diagrams, will **NOT** be marked.
7. Crossing out of answers will lead to **loss** of marks.
8. Any handwriting that cannot be **easily** read may lead to loss of marks.
9. Wrong **spelling** will lead to loss of marks.

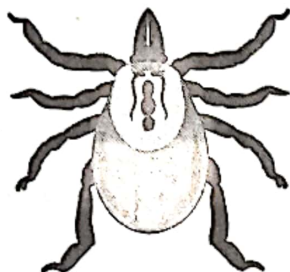
FOR EXAMINERS USE ONLY		
QN. NO.	MARK	<u>SIGN</u>
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

### **SECTION A: (40 MARKS)**

1. Name any one common amphibian in our environment?  
\_\_\_\_\_
2. Why should a poultry waterer be cleaned regularly?  
\_\_\_\_\_
3. Which part of a flower protects it at the bud stage?  
\_\_\_\_\_
4. State the part of the human leg where a gliding point is found?  
\_\_\_\_\_
5. Write the type of soil commonly formed by decomposition?  
\_\_\_\_\_
6. How are hooks useful to a blackjack seed?  
\_\_\_\_\_
7. Which method of preserving food involves use of natural heat to reduce water content in food?  
\_\_\_\_\_
8. Why is the effort arm of the first -class lever always longer than the load arm?  
\_\_\_\_\_
9. Give anyone way wild animals benefit from a forest.  
\_\_\_\_\_
10. Name the part of cassava plant that is used for propagation?  
\_\_\_\_\_
11. Write any one way of saving water at home.  
\_\_\_\_\_

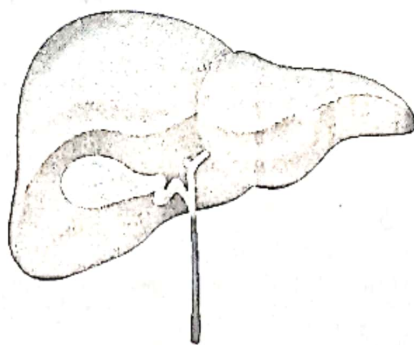
12. State any one way of controlling the spread of cholera during an outbreak.
- 

The diagram below shows a common goat parasite, use it to answer the questions 13 and 14.



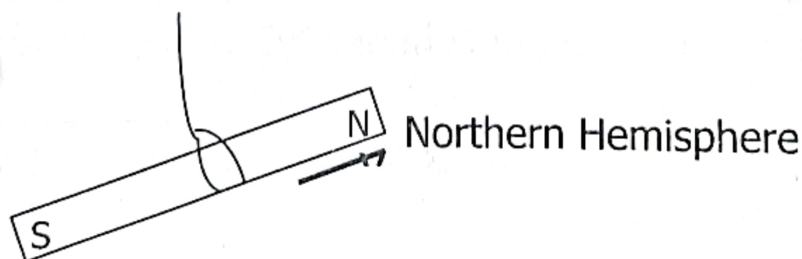
13. Identify the goat parasite shown in the diagram above.
- 
14. How can the parasite above be controlled on a goat farm.
- 
15. Give one way of preventing crowding of crops in the garden.
- 
16. Besides hookworms, name one other round worm that attacks people.
- 
17. Mention any one importance of maintaining good sitting posture.
- 
18. Mention any one type of latrine?
- 
19. Identify anyone activity which children can get involved into to prevent accidents in our community?
- 
20. Give anyone immunisable disease which is not on the child health card?
- 
21. Mention any one way people protect themselves against dangerous fungi?
-

The diagram below shows an organ of the digestive system, use it to answer questions.



22. Identify the function of the above organ in food digestion.
- 
23. Why is wood grouped under poor conductors of heat?
- 
24. Give any new product that is produced during burning as a chemical change
- 
25. How does HIV /AIDS affect the circulatory system?
- 
26. State any one economic value of plants to people?
- 
27. What is the function of semi- circular canals in the human ear?
- 
28. Why does a Balloon burst when much air is blown into it?
- 

The diagram below shows a property of magnets, use it to answer questions **29** and **30**.



29. State the property of magnets shown above?
- 
30. Why did the North Pole rest facing the Northern Hemisphere?
-

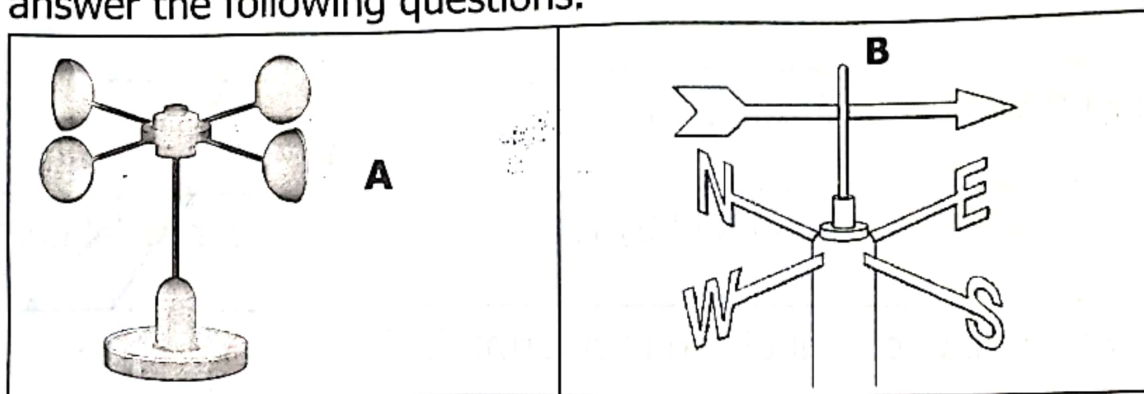


31. Give the use of a measuring cylinder in finding the volume of objects.  
\_\_\_\_\_
32. Why do bees collect nectar from flowers?  
\_\_\_\_\_
33. State any one method used by farmers to harvest perennial crops.  
\_\_\_\_\_
34. How do plants contribute to rain formation?  
\_\_\_\_\_
35. Name the insect disease vector which does not bite people to spread germs.  
\_\_\_\_\_
36. Write any one common method of separating mixtures at home.  
\_\_\_\_\_
37. Give any one way adolescents can avoid taking narcotic drugs  
\_\_\_\_\_
38. Why should a school have cattle keeping project?  
\_\_\_\_\_
39. How does sheep rearing contribute to the textile industry?  
\_\_\_\_\_
40. Crocodiles are water animals. Where do they lay their eggs?  
\_\_\_\_\_

**SECTION B: (60 MARKS)**

41. (a) How do people use the following as resources?  
i). Minerals: \_\_\_\_\_  
\_\_\_\_\_  
ii). Water: \_\_\_\_\_  
\_\_\_\_\_  
iii). Animals: \_\_\_\_\_  
\_\_\_\_\_
- (b). Give any one way of harvesting resources in the environment?  
\_\_\_\_\_

42. The diagram below shows **two** weather instruments, use it to answer the following questions.



(a). Identify the weather instruments shown above.

A \_\_\_\_\_ B \_\_\_\_\_

(b). Mention the weather condition that enable the above instruments to work.

(c). State the function of the weather instrument marked A.

43. (a). Name the main organs of respiration in the human body.

(b). Give any one by-product of respiration.

(c). Mention any one disease of the respiratory system.

(d). How can people keep their respiratory organs in good working conditions?

44. (a). Identify any **two** types of thermometers.

i). \_\_\_\_\_

ii). \_\_\_\_\_

(b). State the function of thermometers.

(c). Mention any one way of sterilizing thermometers.

45. (a). Give the meaning of the term refraction as used in light energy.

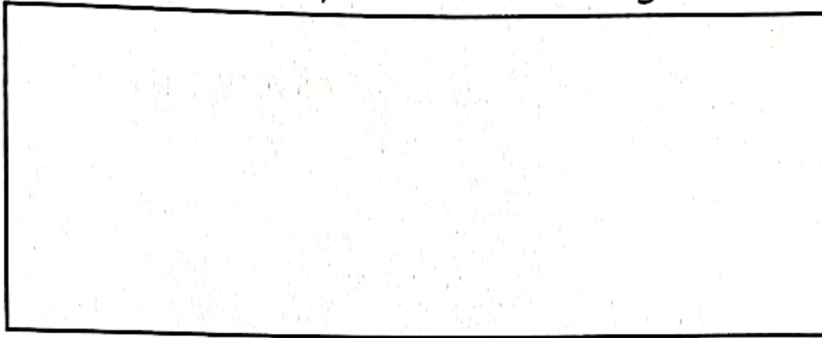
\_\_\_\_\_

(b). Name any **two** examples of objects that can refract light.

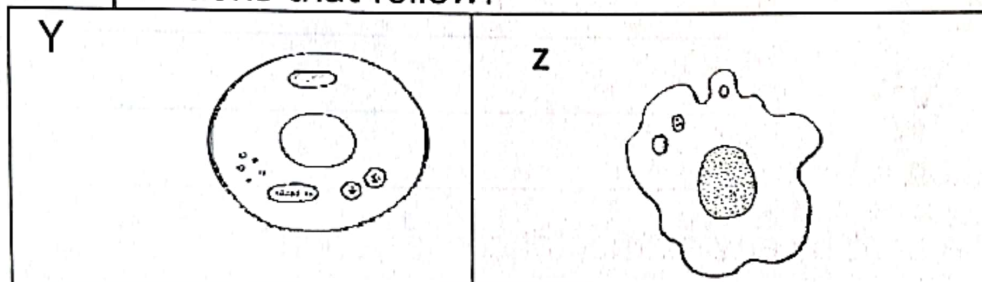
i). \_\_\_\_\_

ii). \_\_\_\_\_

(c). In the space below, draw a clear diagram of a convergent beam.



46. The diagram below shows components of blood. Use it to answer the questions that follow?



(a). Identify the blood components marked **Y**?

\_\_\_\_\_

(b). How is blood component **Z** useful in the body?

\_\_\_\_\_

(c). Which common disease attacks blood component **Y**?

\_\_\_\_\_

(d). Mention one place in the human body where blood component **Z** is made.

47. (a) Give any **two** factors that lead to alcoholism.

\_\_\_\_\_

(b). How does alcoholism affect a family?

\_\_\_\_\_

(c).What advice would you give to your friend who drinks alcohol to stop that bad habit?

---

48. Match the Items in list **A** to these in list **B** correctly.

**AB**

Distillation

Water guard

Filtration

Delivery tube

Boiling

Funnel

Chlorination

Fire

(a).Distillation

(b).Filtration

(c).Boiling

(d).Chlorination

49. (a). What is meant by environmental conservation?

---

---

(b).Give any **two** ways of conserving the environment.

i).

ii).

(c).Why should people conserve the environment?

---

50. (a). Write any **two** examples of dicotyledonous seed.

i).

ii).



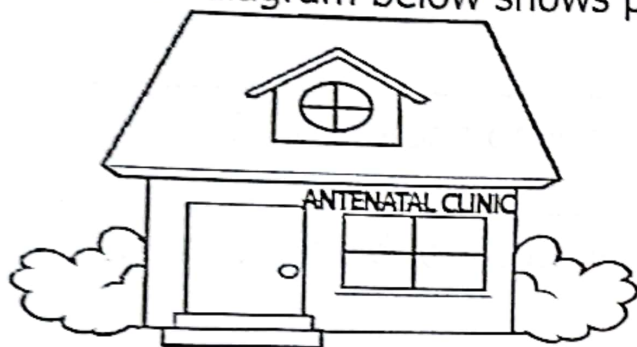
(b).How are dicotyledonous seeds different from monocotyledonous seeds?

---

(c).State any one importance of water to a germinating seed.

---

51. The diagram below shows part of a health center.



(a).Identify the group of people that are served from the part of health center above.

---

(b).Mention any **two** services that are offered at the part of the health center above.

i). \_\_\_\_\_

ii). \_\_\_\_\_

(c).What danger will the people you have mentioned in (a) above face if they don't visit the Centre shown in the diagram

---

52. (a). Give any **two** components of urine.

i). \_\_\_\_\_

ii). \_\_\_\_\_

(b).Which excretory organ is responsible for the formation of urine?

---

(c).Why do people urinate frequently on a cold day than on a hot day?

- 
53. (a).Give any **two** examples of communicable intestinal diseases.  
i).  
ii).  
(b).State any one easy way people acquire communicable intestinal diseases.  
  
(c).How are intestinal diseases dangerous to one's health?
- 
54. (a). Besides old tyres, give one other example of biodegradable waste?  
  
(b).How can people make use of old tyres in our community?  
  
(c).State **two** proper ways of managing waste in our environment.  
i).  
ii).  
55. (a).Identify the common disorder of the digestive system that results from failure to chew food properly.  
  
(b).Why is there no digestion of food beyond the ileum?  
  
(c).How can a **P.7** child keep his/ her digestive system free from diseases?
- 

**END**