

SONGANI ZONE EXAMINATION BOARD

2018 – 2019 PRIMARY SCHOOL LEAVING CERTIFICATE OF EDUCATION



PRIMARY SCIENCE

(100 marks)

END OF TERM ONE EXAMINATION FOR STANDARD 8

.....2018

Subject Number: SZ PS 8TI

Time Allowed: 2¹/₄ hrs

08:00am-10:15am

Candidate name: _____

(Surname First)

School Name: _____

Instructions

1. **This paper consists of 8 printed pages. Please check.**
2. Write your **Examination Number** at the top of this paper.
3. This paper consists of five sections: A, B, C and D.
4. Answer one question in section A either composition or letter writing. In sections B and C write your answers in the space provided after each question. In section D encircle the letter A, B, C or D representing the correct answer.
5. In the table provided on the left side of this page tick against the question you have answered.
6. Follow the instruction of each question carefully.
7. **IMPORTANT.**
 - Please make sure that you have written your name school name and examination number on each question paper.
 - Please hand in your filled question paper to the **Invigilator** at the end of examination.

Question Number	Tick if answered	Do not write in these columns	
1-40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			
52			

SECTION A (30 MARKS)**AGRICULTURE**

1. Which of the following crops can be propagated by cuttings
 - A. Banana and sweet potato
 - B. Irish potatoes and carrots
 - C. Cassava and sweet potato
 - D. Cassava and Bananas
2. Which of the following activities is involved in land preparations
 - A. Banking
 - B. Making box ridges
 - C. Weeding the land
 - D. Harvesting
3. The best time for farmers to sell their produce is when
 - A. Demand is high
 - B. Demand is low
 - C. Supply is high
 - D. Demand and supply are the same
4. How can a farmer control Coccidiosis in rabbits?
 - A. Vaccinating the rabbit regularly
 - B. Dusting the rabbit
 - C. Deworming the rabbits
 - D. Keeping cage dry at all time
5. Which of the following is an advantage of compact soil structure in agriculture
 - A. Is well aerated
 - B. Holds high amount of water
 - C. Breaks easily
 - D. Has medium pole space
6. Which type of agroforestry involves mixing of trees with crops
 - A. Silvorable
 - B. Silvo pasture
 - C. Live fence
 - D. Forest farming

Table 1 shows one of the farm record. Use it to answer question 7 and 8.

PLOT NO	SIZE OF PLOT	CROP	WORK DONE	NO OF PERSON
1	2 hectares	Beans	Weeding	10
2	1 hectares	Maize	Ridging	4
3	1.5 hectares	Potatoes	Harvesting	6

7. Which of the following farm records is shown in the table
 - A. Inventory record
 - B. Labour record
 - C. Field operation record
 - D. Crop record
8. If Mr. Mwale paid K500.00 each person weeding beans, how much did he spend in weeding beans
 - A. K500.00
 - B. K10, 000.00
 - C. K1 000.00
 - D. K5 000.00
9. Which of the following sub branches of agriculture would you supply vegetables to a restaurant owner?
 - A. Arboriculture
 - B. Olericulture
 - C. Pomoculture
 - D. Horticulture
10. Why should tree seedlings be hardened off?
 - A. To make them grow

Continued/.....

- B. To prepare seedlings for hot and dry condition
- C. To control them from diseases
- D. To control them from pests

Figure 2 is a diagram showing a pest of cassava. Use it to answer Question 11 and 12



11. What is the name of the pest?
- A. Mouse
 - B. Monitor lizard
 - C. Hare
 - D. Otter
12. How can a farmer control the pest?
- A. Trapping the pest
 - B. Planting cassava early
 - C. Weeding the garden
 - D. Using resistant variety
13. Why should some seeds be put in hot water first before sowing?
- A. To kill the pest
 - B. To prevent the pest from entering the seed
 - C. To prevent diseases
 - D. To soften the seed coats for easy germination
14. Which of the following is a characteristic of a natural forest?
- A. Trees are grown for a purpose
 - B. Trees are properly spaced
 - C. Trees grow without uniformity
 - D. Trees are cared for
15. Why should a fish pond have the deepest end 1.5m and the shallow end of 1m deep?
- A. To avoid predators from reaching the fish
 - B. To allow the growth of water plants
 - C. To avoid parasites from multiplying
 - D. To create space for the growth of fish
16. Which of the following practices can help to control termites?
- A. Scaring the termites away
 - B. Fencing the gardens
 - C. Pruning the trees
 - D. Inter planting with garlic
17. Which of the following is a breed of rabbit?
- A. Angola
 - B. Africander
 - C. California
 - D. Jersey
18. Which of the following is a minor plant nutrient?
- A. Potassium
 - B. Chlorine
 - C. Phosphorus
 - D. Nitrogen
19. Which of the following is a deficiency sign of phosphorus in plants?
- A. Yellow leaves
 - B. Stunted growth
 - C. Poor root development
 - D. Immature fruit fall
20. Which of the following is an example of Hairgoat?
- A. Malawian goat
 - B. Anglo-Nubian goat
 - C. Angola

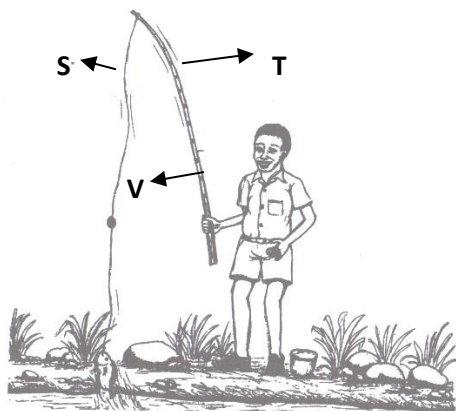
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D. Jum napari

SCIENCE AND TECHNOLOGY

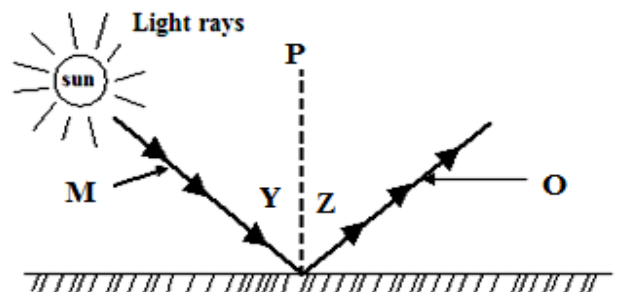
21. Which organ in the body pumps blood
 - A. Lungs
 - B. Liver
 - C. Kidneys
 - D. Heart
22. Where does fertilization take place in the flower?
 - A. Stigma
 - B. Ovary
 - C. Style
 - D. Anther
23. What name is given to the part of the eye that controls the size of the pupil?
 - A. Cornea
 - B. Sclera
 - C. Retina
 - D. Iris
24. Lack of iodine in the body causes
 - A. Goiter
 - B. Rickets
 - C. Anaemia
 - D. Scurvy
25. Which of the following is the function of the cotyledon?
 - A. Develops into shoots
 - B. Develops in to roots
 - C. Stores food for the growing embryo
 - D. Covers the seed

Figure below is a diagram showing one type of levers. Use it to answer questions 26 and 27



26. The type of lever is
 - A. First order lever
 - B. Second order lever
 - C. Third order lever
 - D. Fourth order lever
27. Which part represent the load?
 - A. S
 - B. T
 - C. U
 - D. V
28. Which of the following s an example of a manual worker
 - A. Farmer
 - B. Teacher
 - C. Doctor
 - D. Engineer
29. Which of the following is a characteristics of seeds dispersed by wind?
 - A. Seeds in side are edible fruit
 - B. Hairs on seed
 - C. Holds the seed
 - D. Has hooks
30. Which of the following is not a necessary condition for seed germination
 - A. Moisture
 - B. Air
 - C. Soil
 - D. Warmth

Figure below is a diagram showing a ray of light reflected by a plain mirror. Use it to answer questions 31 and 32



31. What is the name of the ray marked M?
 - A. Reflected ray
 - B. Incident ray

- C. Reflection ray
D. Emergent ray
32. Find angle marked Z, if angle marked Y is 50° .
A. 90°
B. 80°
C. 50°
D. 40°
33. Which force causes the ball that is thrown upwards to return to the ground?
A. Frictional force
B. Electrostatic force
C. Electric force
D. Gravitational force
34. Which part of a flower develops into a fruit?
A. Ovule
B. Ovary
C. Petal
D. Anther
35. Which of the following features is common to all reptiles?
A. Fins
B. Feathers
C. Scale
D. Hair
36. Where in the lungs does the exchange of oxygen and carbon dioxide take place
- A. Trachea
B. Alveoli
C. Rib cage
D. Diaphragm
37. Which of the following is an example of omnivores
A. Man, chicken and pig
B. Lion, sheep and rat
C. Goat, snake and man
D. Monkey, cattle and hyena
38. Which of the following is an indirect source of light?
A. Star
B. Moon
C. Fire
D. Bulb
39. Which of the following is a function of lateral line?
A. For balancing
B. For fast forward movement
C. Covering gills
D. Detecting danger
40. What is the purpose of carrying out a scientific investigation?
A. Collecting data through experiment
B. Coming up with variables
C. Designing the experiment
D. Finding out the truth about something

SECTION B (60 MARKS)

AGRICULTURE

41. (a). Define the term weeding

(1 mark)

- (b). Mention any **two** methods of weeding

(2 marks)

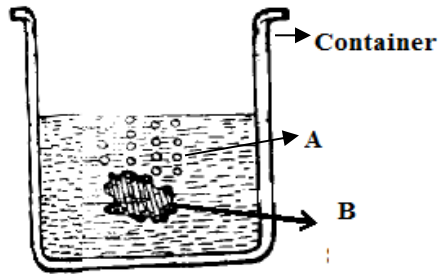
- I. Explain any **two** importance of weeding in maize garden

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_____ (2 marks)

Study the figure below and answer questions that follows

8ijkl;



42. (a). Name the part labeled A and B
A. _____ B. _____ (3 marks)

(b). Does the soil contain air?
_____ (1 mark)

I. Give a reason for your answer in 42b

_____ (2 marks)

43. (a). Give any **two** products which can be obtained from milk

_____ (6 marks)

(b). Identify **three** problems associated with the marketing of agricultural products

_____ (3 marks)

44. (a). List down **two** types of farming

_____ (2 marks)

(b). Explain why farming is considered as a business?

_____ (2 marks)

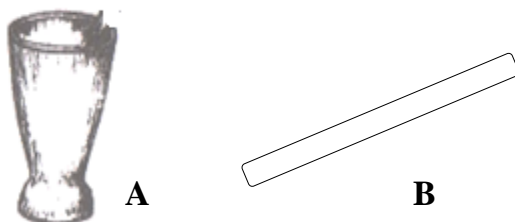
I. Give **two** reasons why irrigation is important

_____ (2 marks)

(d). Name any **two** types of irrigation

_____ (2 marks)

45. **Study the figure below and use it to answer questions that follows**



(a). Identify the farm machinery and technology
 A. _____ B _____ (2 marks)

(b). Give **one** use of the technology
 _____ (1 mark)

46. (a). Define the term risks in a farm business
 _____ (1 mark)

(b). Give any **two** examples of farm risks
 _____ (2 marks)

I. Describe **one** way of managing risks in a farm business.
 _____ (1 mark)

SCIENCE AND TECHNOLOGY

47. (a). Mention **two** ways of improving the nutritional value of food
 _____ (2 marks)

(b). Explain any **two** factors that are considered when planning a meal
 _____ (4 marks)

48. Classify the following plants into flowering and non flowering plants; **beans, mangoes, fungi, tomatoes and ferns**

Flowering	Non flowering

(4 marks)

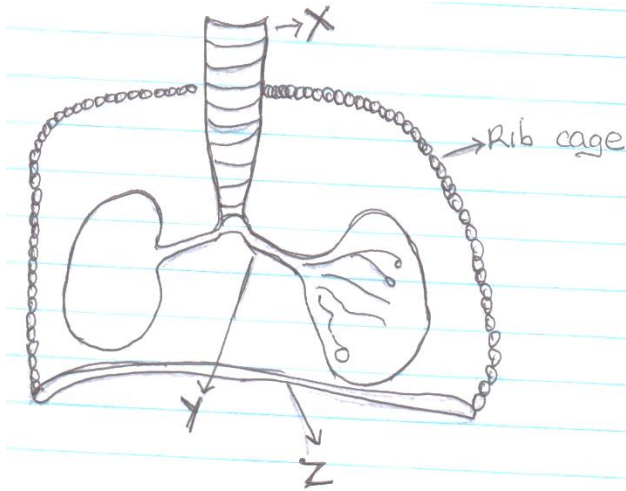
49. (a). State **two** ways of presenting data in a scientific investigation
 _____ (2 marks)

(b). Give any two cultural practices that can lead to spread of HIV and AIDS
 _____ (2 marks)

50. (a). Give two factors that affect the rate of solubility of substances in water
 _____ (2 marks)

(b). Name any two common accidents that can take place in the kitchen
 _____ (2 marks)

51. **Figure below is a diagram showing respiratory system of human beings. Use it to answer question that follow.**



(a) Name the parts X, Y and Z

X _____ Y. _____

Z. _____ (3 marks)

(b) (i). State the function of the part marked Z

_____ (2 marks)

(ii). Mention any problem of human breathing system

_____ (1 mark)

52. **The diagram below shows a type of root system. Use it to answer questions that follow**



(i). Identify the root system

_____ (1 mark)

(ii). List two plants that have this type of roots

_____ (2 marks)

(iii). What products can be made from the following ingredients

(a). Mangoes

(b). Groundnuts

END OF QUESTION PAPER

NB: THIS PAPER CONSIST OF 8 PRINTED PAPERS, PLEASE CHECK.

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