

BANGWE CATHOLIC PRIMARY SCHOOL EXAMINATION BOARD
2021 PRIMARY SCHOOL LEAVING CERTIFICATE OF EDUCATION MOCK EXAMINATIONS

PRIMARY SCIENCES

(100 Marks)

LEARNER'S NAME:..

SECTION A (40 marks)

AGRICULTURE

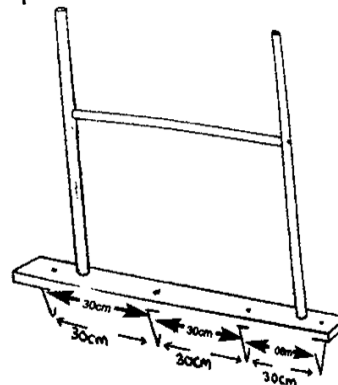
- Which of the following breeds of goat is kept for milk production?
 A. Angora goat C. Saanen goat
 B. Gaddi goat D. Kamori goat
 - When is hardening off in tree nurseries recommended?
 A. Early in the morning
 B. Before transplanting
 C. Late in the afternoon
 D. After germination
 - Which of the following breeds of rabbits does not produce more offspring?
 A. California black
 B. New Zealand white
 C. Flemish giant
 D. Local rabbits
 - Which of the following nutrients is required by plants in large quantities?
 A. Phosphorus C. Chlorine
 B. Calcium D. Copper
- Study the diagram below and use it to answer questions 5 and 6



- Identify the marketing function shown above
 A. Buying C. Processing
 B. Transporting D. Advertising
- Why the marketing function shown above is important
 A. Makes pricing easy

- Letting the customers know about the produce
- Helps buyers to own goods
- Preserves the quality of the produce
- Why should a cage for a buck be slightly larger than for a doe?
 A. To have enough ventilation
 B. To control parasites
 C. To keep more rabbits
 D. To ease mating
- Why is sun drying of fish important to a farmer?
 A. To sell the fish quickly
 B. To cook the fish quickly
 C. To share the fish easily
 D. To improve the quality of fish
- The following are factors of production except
 A. Land C. Labour
 B. Slope D. Management
- A fish pond has 100 fish, each fish weighs 2kg. Calculate the amount of feed needed per day.
 A. 5kg C. 50kg
 B. 10kg D. 200kg

The diagram below shows an indigenous farm machinery, use it to answer questions 11 and 12



11. Name the indigenous farm machinery
A. Querns C. Planting frame
B. Gourd D. Soot
12. What is the function of the technology shown above?
A. For storing seeds
B. Marking of planting stations
C. For planting
D. For weeding
13. Which of the following types of chickens is kept for both meat and egg production?
A. Starbro C. Blackaustralorp
B. Indianrirer D. Rose
14. Which of the following are the two common diseases of groundnuts?
A. Rosette and bacterial bright
B. Leaf spot and termites
C. Aphids and termites
D. Rosette and leaf spot
15. The growing of fruits only is called _____
A. Horticulture C. Olericulture
B. Floriculture D. Pomoculture
16. The system of agroforestry that involves planting trees and shrubs along the boundary of arable crops is called ____
A. Improved fallows
B. Live fence
C. Folder banks
D. Dispersed tree planting
17. Which of the following crops is a fruit vegetable?
A. Lettuce C. Eggplant
B. Onion D. Sweet potatoes
18. Which of the following external parasites of goats transmit heart water disease?
A. Lice C. Ticks
B. Fleas D. Mites
19. Which of the following raw materials could be used to manufacture animal feeds?
A. Hoof C. hides
B. Horns D. blood

20. Which of the following diseases of vegetables is encouraged by over watering?
A. leaf bright C. dumping off
B. heart rot D. downy mildew

SCIENCE AND TECHNOLOGY

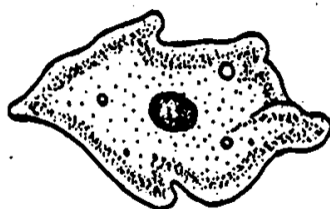
21. Name the cell that is formed after fertilization
A. Amnion C. Embryo
B. Zygote D. Semen
22. Which of the following is not a traditional way of food preservation?
A. Salting C. Smoking
B. Sun drying D. Canning
23. Which of the following animals are herbivores?
i. Elephants
ii. Lions
iii. Pigs
iv. Cattle
A. i and iii C. ii and iii
B. i and iv D. ii and iv
24. The following are disadvantages of roasting food except
A. The food looks attractive
B. Does not make food tender
C. The food shrinks
D. Demand more attention

The study the below and answer questions 25 and 26



25. Which letter represents petiole
A. A C. C
B. B D. D
26. What is the function of stomata on a leaf?
A. Allow air and water in and out
B. To make leaf strong
C. Where a leaf is attached to a plant
D. Passage for nutrients
27. Who are invalids?

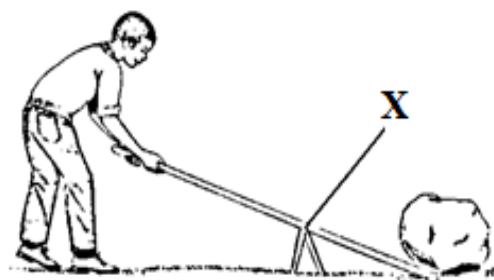
- A. People who do not eat meat
 - B. People recovering from illness
 - C. People who are ill
 - D. People above the age of 65
28. Which of the following is a plant fibre?
- A. Wool
 - B. Linen
 - C. Aluminium
 - D. Silk
29. Which of the following is a skin disease?
- A. Diarrhea
 - B. Scabies
 - C. Tuberculosis
 - D. Malaria
30. Write one technology that uses reflection of light
- A. Car mirror
 - B. Telescope
 - C. Microscope
 - D. Pair of binoculars



31. The name of the of the microscopic organism is _____
- A. Plasmodia
 - B. Trypanosome
 - C. Amoeba
 - D. Octopus
32. To which group of invertebrates does the organism belong?
- A. Worms
 - B. Molluscs
 - C. Anthropods
 - D. Protozoa
33. How can you separate kachaso beer from water?
- A. Magnetism and sedimentation
 - B. Winnowing and sieving
 - C. Distillation and condensation
 - D. Winnowing and filtration
34. Write one disadvantage of modern technology to the youth
- A. High cost
 - B. Exposure to pornographic movies
 - C. Increased risk of skin rashes
 - D. High school drop outs

EXAMINATION NO: _____

Study the figure below to answer questions 35 and 36



35. Name the machine shown above
- A. Wedge
 - B. Crowbar
 - C. Wheelbarrow
 - D. Pulley
36. Name the part labelled X
- A. Effort
 - B. Load
 - C. Balance
 - D. Pivot
37. Under which class of levers does the machine belong
- A. First order
 - B. Second order
 - C. Third order
 - D. Fourth order
38. When the bottle of perfume is brought into a room and opened, the perfume is smelt at any point in the room. This shows that gases
- A. Have small particles
 - B. Increase in volume
 - C. Flow in all directions
 - D. Cannot be compressed
39. Which of the following parts of blood are used for defending the body against diseases?
- A. Platelets
 - B. White blood cells
 - C. Red blood cells
 - D. Plasma
40. Which family planning method is meant for men only?
- A. Condom usage
 - B. Tubal ligation
 - C. Vasectomy
 - D. Diaphragm

SECTION B (60 marks)

AGRICULTURE

41. a. Mention any two management practices for vegetables in field bed

_____ (2 marks)

- b. State any two methods of processing fish

_____ (2 marks)

42. a. List any two reasons why agroforestry is important

_____ (2 marks)

- b. Give any two characteristics of agroforestry tree species

_____ (2 marks)

- c. Define stocking

_____ (1 mark)

- d. What is the difference between grazing and browsing?

_____ (2 marks)

43. Study the diagram below of the goat parasite to answer questions 43 (a and b)



- a. Name the parasite _____ (1 mark)

- b. Mention any two damages caused by the parasite above

_____ (2 marks)

44. Classify the following cattle feed feeds into roughages and concentrates, maize bran, rice straw, millet stalks, groundnuts cake and meat meal.

Roughages

Concentrates

_____ (5 marks)

45. a. What is soil fertility

_____ (1 mark)

- a. Give one way how the following can improve soil fertility

i. Fallowing _____ (1 mark)

ii. Practicing crop rotation _____ (1 mark)

- c. Why barbed wire house for cattle should be constructed on a high ground
 _____ (1 mark)
- d. Mention any two varieties of groundnuts

 _____ (2 marks)
- e. Explain any one way in which HIV and AIDS would affect the production of food at national level?

 _____ (2 marks)
- f. Give any two disadvantages of free-range system of keeping poultry

 _____ (2 marks)
- g. Why hardening off is important
 _____ (1 mark)

SCIENCE AND TECHNOLOGY

Answer all questions in the spaces provided

46. a. Define conception

 _____ (2marks)
- b. State any two importance of under-five clinics

 _____ (2 marks)
- c. State any two functions of skeleton

 _____ (2 marks)
47. a. What is a joint

 _____ (2 marks)
- b. Give any two types of joints

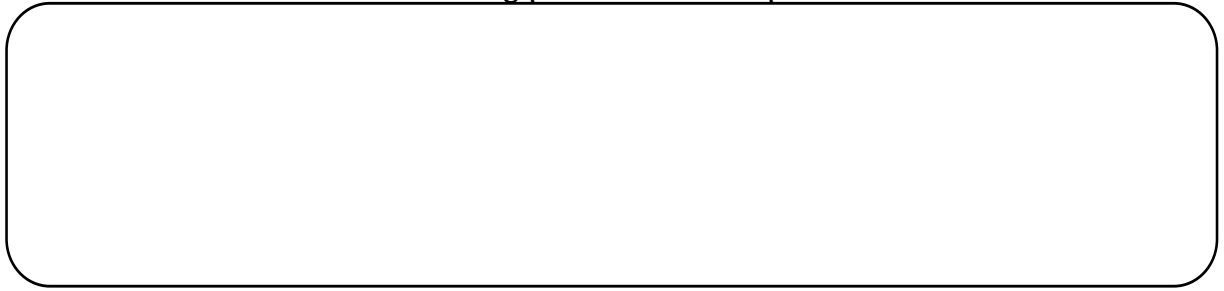
 _____ (2 marks)
- c. What is hypothesis

 _____ (2 marks)
- d. Mention any two reasons for writing a report after conducting an experiment

 _____ (2 marks)



48. a. Draw a fish and label it the following parts; dorsal fin, pelvic fin and anal fin



(5 marks)

- b. Why invertebrates are important? Give two reasons

(2 marks)

- c. State any two protective mechanisms used by some vertebrates

(2 marks)

49. a. Give any two uses of electricity

(2 marks)

- b. What is the difference between series and parallel circuit?

- c. Describe how paraffin can be separated from water

(2 marks)

- d. What is the function of a microscope?

(1 mark)

- e. Describe the following changes of states of matter

- i. Sublimation

(1 mark)

- ii. Freezing

(1 mark)