

BECE INTEGRATED SCIENCE 2011

PAPER 1 - QUESTIONS

© 2024 Ghana5.com. All rights reserved.

ACKNOWLEDGEMENT: The West African Examination Council - for the BECE past questions used in this document.

1. An example of a noble gas is
 - A. chlorine
 - B. neon
 - C. nitrogen
 - D. oxygen
2. The structure that stores sperms temporarily in the male reproductive system of humans is
 - A. epididymis
 - B. scrotal sac
 - C. sperm duct
 - D. testes
3. Which of the following properties of alcohol as a thermometric liquid is correct?
 - A. It is opaque
 - B. It does not wet glass
 - C. It has a very low freezing point
 - D. It has a high freezing point
4. In which of the following vegetation zones of Ghana does millet and sorghum grow well?
 - A. Coastal savannah
 - B. Forest zone
 - C. Guinea savannah
 - D. Transition zone
5. Which of the following methods is/are used for preserving fish?
 - I. Canning
 - II. Frying
 - III. Smoking
 - A. I only
 - B. I and II only
 - C. II and III only
 - D. I, II and III
6. Which of the following practices in the home can prevent disease infection?
 - A. Covering one's food
 - B. Drinking unclean water

- C. Keeping one's surroundings untidy
- D. Sharing towels and sponges

7. An example of a semimetal is

- A. calcium
- B. lithium
- C. silicon
- D. sodium

8. Which kind of energy transformation takes place in an electric motor?

- A. Chemical energy to electrical energy
- B. Chemical energy to mechanical energy
- C. Electrical energy to light energy
- D. Electrical energy to mechanical energy

9. Landrace is a breed of

- A. cattle
- B. goats
- C. pigs
- D. sheep

10. In flowering plants, the stamen is made up of

- A. anther and stigma
- B. anther and filament
- C. stigma and filament
- D. stigma and style

11. Which of the following statements about a transistor is correct?

- A. It can be used to amplify current
- B. It is similar to three diodes
- C. It consists of two leads only
- D. It has three junctions

12. An atom has 6 protons and 7 neutrons in its nucleus. What is its mass number?

- A. 1
- B. 6
- C. 7
- D. 13

13. A record of daily activities on a farm is termed

- A. labour record
- B. inventory record
- C. farm diary
- D. production record

14. Which of the following devices work(s) on the principle of transmission of pressure in fluids?

- I. Water pumps
- II. Syringes
- III. Bicycle brakes

- A. I only
- B. I and II only
- C. II and III only
- D. I, II and III

15. Which of the following crops is not correctly matched with its group?

- A. Cowpea - cereal crop
- B. Cocoa - beverage crop
- C. Coconut - oil crop
- D. Cocoyam - tuber crop

16. Which of the following substances is a salt?

- A. H_2SO_4
- B. NaOH
- C. HCl
- D. $CaCl_2$

17. In which part of the digestive system of a fowl does grinding of feed take place?

- A. Crop
- B. Gizzard
- C. Oesophagus
- D. Proventriculus

18. The parts of a bony fish that are used to control the level at which the fish swims are known as

- A. dorsal and caudal fins
- B. caudal and pectoral fins
- C. pectoral and pelvic fins
- D. dorsal and pectoral fins

19. Million's reagent is used to test for

- A. carbohydrates
- B. fats
- C. proteins
- D. vitamins

20. In an n-p-n transistor, the n-type collector is connected to the positive terminal of the battery thus making the

- A. base-collector junction reverse biased
- B. base-collector junction forward biased

- C. base-emitter junction reverse biased
- D. base-emitter junction forward biased

21. Which type of vegetation favours both wet and hot environmental conditions?

- A. Strand and mangrove
- B. Coastal savannah
- C. Guinea savannah
- D. Tropical forest

22. During drought, some plants dry out because of high

- I. atmospheric temperature
- II. humidity
- III. rate of evaporation

Which of the statements above is/are correct?

- A. III only
- B. I and II only
- C. I and III only
- D. I, II and III

23. Soil erosion on sloppy farmlands is best controlled by

- A. cover cropping
- B. mulching
- C. strip cropping
- D. terracing

24. A viable seed is one that

- A. germinates under suitable conditions
- B. contains oil
- C. develops from fertilized ovary
- D. has a pericarp

25. Which of the following pairs of structures form part of the female reproductive system of humans?

- A. Urethra and uterus
- B. Cervix and uterus
- C. Ureter and uterus
- D. Cervix and ureter

26. Which of the following chemical symbols is that of a metal?

- A. Ca
- B. Ne
- C. P
- D. S

27. All the living and non-living things that surround an organism constitute its

- A. community
- B. ecosystem
- C. environment
- D. habitat

28. Which of the following crops should be planted after cassava in crop rotation?

- A. Cocoyam
- B. Cowpea
- C. Onion
- D. Yam

29. Endoparasites in farm animals can be controlled by

- A. drenching
- B. dipping
- C. dusting
- D. spraying

30. Which of the following devices requires the use of transistors in its operation?

- A. Computer
- B. Electric heater
- C. Microphone
- D. Wall clock

31. Feel Method is used to determine soil

- A. air
- b. colour
- C. structure
- D. texture

32. Which of the following modes of heat transfer is the thermos flask designed to minimize?

- I. Conduction
- II. Convection
- III. Radiation

- A. I and II only
- B. I and III only
- C. II and III only
- D. I, II and III

33. An atom of an element is represented as ${}_{12}^{25}X$

What is the respective number of neutrons and protons in the atom?

- A. 12 and 13
- B. 12 and 25
- C. 13 and 12

D. 25 and 12

34. The anemometer is an instrument used in determining

- A. amount of rainfall
- B. speed of wind
- C. relative humidity
- D. intensity of light

35. Which of the following subjects is/are considered as applied science?

- I. Biology
- II. Medicine
- III. Psychology

- A. I only
- B. I and II only
- C. I and III only
- D. II and III only

36. Chinchilla is a breed of

- A. goats
- B. pigs
- C. rabbits
- D. sheep

37. Which of the following characters is not acquired through heredity?

- A. Language spoken
- B. Shape of nose
- C. Colour of eyes
- D. Temperament

38. The food nutrient which ensures good health in farm animals is

- A. carbohydrates
- B. minerals
- C. proteins
- D. vitamins

39. The use of resistant breeds of farm animals to control pests is a

- A. biological method
- B. chemical method
- C. cultural method
- D. physical method

40. Which of the following arrangements show the correct order of increasing complexity of structures in living organisms?

- A. cells → organs → tissues → systems
- B. cells → tissues → organs → systems

C. cells → systems → tissues → organs

D. cells → tissues → systems → organs

~ END ~

Get more of such in the paid members' area.

Published by
**Upper Primary &
JHS**

All rights reserved

Register and *upgrade* to access more downloads and also lots of tutorials, revision notes and specially-designed quizzes!!

**..by the name of
Jesus Christ ..
whom you crucified,
whom God raised
from the dead..**

Acts 4: 10