

# WASSCE SCIENCE 2007

## Objective Test Q&A – 1 to 20

© 2024 [Ghana5.com](https://ghana5.com). All rights reserved.

**ACKNOWLEDGEMENT:** The West African Examinations Council – for the past questions used in this document.

1. Which of the following quantities is not a vector quantity?

- A. force
- B. mass
- C. velocity
- D. weight

B

2. Microbes are useful in the leather industry for

- A. their use in tanning leather
- B. beautifying leather products,
- C. protecting leather against the environment
- D. providing raw materials to the industry

A

3. The inorganic mineral particles of the soil are derived from

- A. decaying animals
- B. parent rock
- C. decaying plants
- D. root nodules

B

4. One reason for brushing the teeth regularly is to

- A. reduce the amount of saliva in the mouth

- B. remove dead cheek cells from the mouth
- C. dilute the alkali content
- D. reduce bacterial activity in the mouth

B

5. A converging lens can be used as magnifying glass, only when the object is placed

- A. at the focal point
- B. between the focal point and a distance twice the focal point
- C. between the focal point and the optical centre
- D. at a distance twice the focal length

C

6. Heavy traffic in cities causes

- I. air pollution
- II. noise pollution
- III. hindrance to fast movement

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

D

7. Which of the following compounds represents an alkanol?

- A.  $\text{CH}_3\text{COH}$
- B.  $\text{CH}_3\text{COOH}$
- C.  $\text{CH}_3\text{CH}_2\text{OH}$
- D.  $\text{CH}_3\text{COCH}_3$

C

8. Kinetic and potential energies are known collectively as

- A. chemical energy
- B. gravitational energy
- C. mechanical energy
- D. renewable energy

C

9. An element **A** has two electrons in its outer shell. Another element **B** has six electrons in its outer shell. The most likely compound which can be formed by the combination of the two elements is

- A. AB
- B. AB<sub>2</sub>
- C. A<sub>2</sub>B
- D. A<sub>2</sub>B<sub>2</sub>

A

10. Which of the following structures controls the passage of dissolved substances in and out of living cells?

- A. cell membrane
- B. cytoplasm
- C. Golgi bodies
- D. nucleus

A

11. Pollution by carbon monoxide can be minimized by

- A. effective burning of fuel
- B. incomplete burning of fuel
- C. using firewood as fuel
- D. using petrol as fuel

A

12. Which of the following diseases is correctly matched with the animal it infects?

- A. Rinderpest --> chicken
- B. Trypanosomiasis --> cattle
- C. Aspergillosis --> pig
- D. Anthrax --> turkey

B

13. The advantages of family planning does not include

- A. giving each child enough attention
- B. reducing pressure on social amenities
- C. preserving the health of the mother
- D. choosing the sex of children to be born

D

14. Which of the following statement about non-dehiscent fruits is **true**?

- A. their walls dry at maturity
- B. their seeds are dispersed by wind
- C. they contain numerous seeds
- D. they do not split open when mature

D

15. A machine has a velocity ratio of 9 and needs an effort of 10 N to lift a load of 50 N. Calculate the efficiency of the machine.

- A. 5%
- B. 45%
- C. 55%
- D. 90%

C

16. The breakdown of cellulose by bacteria in ruminants occurs in the

- A. abomasum
- B. amsum
- C. reticulum

D. rumen

D

17. A student performed an experiment to determine the percentage of air in a soil sample. The following were the readings: volume of water in measuring cylinder =  $500\text{cm}^3$  volume of the soil added to water =  $350\text{cm}^3$  volume of soil and water after stirring =  $800\text{cm}^3$ . What is the percentage of air in the soil?

- A. 6.25%
- B. 10.36%
- C. 14.28%
- D. 62.50%

A

18. In computer language, *data* can be defined as

- A. raw facts that are fed into the computer
- B. important business decisions stored on the computer
- C. symbols and letters used in the computer
- D. programmes on a floppy disk

A

19. A body of mass  $100.0\text{ kg}$  moves with a velocity of  $8.0\text{ ms}^{-1}$ . Calculate its kinetic energy

- A.  $400.0\text{ J}$
- B.  $800.0\text{ J}$
- C.  $3200.0\text{ J}$
- D.  $4000.0\text{ J}$

C

20. Which of the following characteristics is discontinuous variation?

- A. blood group of patients in a hospital
- B. complexion of members of a church
- C. height of pupils in a class
- D. weight of athletes in a team

A

**END OF DOCUMENT**

There's more @ [Ghana5.com](https://Ghana5.com)