



# BIOLOGY

## AAKASH INSTITUTE ENGLISH

### Mock Test: 25 Zoology

#### Example

1. The brood pouch in female cockroach is formed by

- A. 7th, 8th and 9th sterna
- B. 9th sternum, 9th and 10th terga
- C. 6th, 8th and 9th sterna
- D. 9th tergum, 8th and 9th sterna

**Answer: A**



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**2. Antennae of cockroach function as**

- A. Tactile and olfactory

B. Only olfactory

C. Gustatory

D. Only tactile

**Answer: A**



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**3.** Select the correct sequence of organs in the alimentary canal of cockroach starting from mouth

A. Mouth to Pharynx to Oesophagus to  
Crop to Gizzard

B. Mouth to Pharynx to Oesophagus to  
Gizzard to Crop

C. Mouth to Pharynx to Gizzard to  
Oesophagus to Crop

D. Mouth to Pharynx to Crop to  
Oesophagus to Gizzard

**Answer: A**



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4. The largest part of the alimentary canal of cockroach is

A. Oesophagus

B. Crop

C. Gizzard

D. Pharynx

**Answer: B**



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5. The blood of haemolymph of cockroach does not play a role in respiration because

A. It consists of different types of cells

B. The blood fills spaces i.e. sinuses are present

C. It is devoid of a respiratory pigment

D. The body cavity called haemocoel is present

**Answer: C**



6. The correct order of structures found in cockroach from dorsal to ventral surface of body

A. Heart to Gut to Nerve cord

B. Gut to Heart to Nerve cord

C. Nerve cord to Gut to Heart

D. Heart to Nerve cord to Gut

**Answer: A**



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7. During respiration in cockroach air enters in tracheal system through

A. Trachea

B. Spiracles

C. Tracheoles

D. Blood

**Answer: B**





8. Which of the following structures is not a part of excretory system of cockroach?

A. Malpighian tubules

B. Fat body

C. Nephrocytes

D. Nephridia

**Answer: D**



**9.** Read the following statements. Statement A : In cockroach, vision is mosaic and apposition image is formed. Statement B : Mosaic vision has less sensitivity and more resolution. Choose the correct option.

A. Both statements are correct

B. Statement (A) is correct and (B) is incorrect

C. Statement (A) is incorrect and (B) is correct

D. Both statements are incorrect

**Answer: B**



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**10.** Which of the following is not true w.r.t. nervous system of cockroach?

A. It consists of a series of fused, segmentally arranged ganglia present on ventral side of body

B. Nervous system of cockroach is spread throughout its body

C. Double ventral nerve cord consists of 9 ganglia, 6 in thorax and 3 in abdomen

D. If the head of cockroach is cut off, it will still live for as long as one week

**Answer: C**



11. match the following with reference to cockroach and choose the correct option .

Column I	Column II
A. Phallomere	1. Chain of developing ova
B. Gonopore	2. Bundles of sperm
C. Spermatophore	3. Opening of the ejaculatory duct
D. Ovarioles	4. The external genitalia

A. a(iii), b(iv), c(i), d(ii)

B. a(ii), b(iv), c(i), d(iii)

C. a(ii), b(i), c(iv), d(iii)

D. a(iii), b(i), c(iv), d(ii)

**Answer: A**



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**12. Cockroach exhibits**

- A. Holometabolus development
- B. Ametabolous development
- C. Paurometabolous development
- D. Hypermetabolous development

**Answer: C**



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**13.** Which of the following hormones helps in maintaining nymphal character in cockroach?

A. Neotinin

B. Ecdysone

C. Gonadotrophic hormone

D. Growth hormone

**Answer: A**



14. Lens in eye of cockroach is secreted by

- A. Corneagen cells
- B. Cone cells
- C. Retinular pigment sheath
- D. Retinular cells

**Answer: A**



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15. Which of the following statements is incorrect?

- A. Collateral glands help in the formation of ootheca
- B. Gonapophysis is characteristic feature of male cockroach only
- C. Malpighian tubules absorb nitrogenous waste from haemolymph and convert it into uric acid

D. Supraoesophageal ganglion supplies

nerves to antennae and compound eyes

**Answer: B**



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