



BIOLOGY

NEET & AIIMS

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. The antennae of cockroach has receptors for

- A. Tactile and olfactory

B. Only olfactory

C. Gustatory

D. Only tactile

Answer: A



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3. Mark the correct sequence of different parts of digestive system of cockroach

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 foregut 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 gangula present on ventral side of body
- B. Nervous system of cockroach is spread throughout its body
- C. Double ventral nerve cord consists of 9 gangula, 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



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11. Cockroach exhibits

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

Answer: C



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

A. Neotinin

B. Ecdysone

C. Gonadotrophic hormone

D. Growth hormone

Answer: A



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13. 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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14. 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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