

7. PERIPLANETA AMERICANA

COCKROACH

(1 X 4) + (1 X 8) = 12 Marks

ROOT POINTS

1. Cockroach belongs to the phylum 'Arthropoda' and the class 'Insecta'.
2. 'Insecta' is the 'largest class of animals' in the 'Kingdom Animalia'.
3. The study of insects is called Entomology.
4. Cockroach exhibits all the characteristic features of the class Insecta.
5. Therefore Cockroach is an typical example for the study of insects.
6. **Cockroach has three body parts:** Head, Thorax and Abdomen .
7. Cockroach has three pairs of legs and two pairs of wings.
8. **Mouth Parts of Cockroach:** Labrum, Mandible, Hypopharynx, Maxillary palp, [IPE]
Galea, Lacinia, Palpifer, Stipes, Cardo, Submentum, Mentum, Palpiger, Prementum,
Glossa, Paraglossa, Labial palp.
9. **Digestive system of Cockroach:** (I) Alimentary canal (II) Digestive glands. [IPE]
 - I. **Alimentary canal:** (a) Foregut (b) Midgut (c) Hindgut
 - II. **Digestive glands:** (a) Salivary glands (b) Hepatic caecae (c) Glandular cells of mesenteron.
10. **Parts of Ommatidium:** Lens, Cone cell, Crystalline cone, Nerve fibers, [IPE]
Basement membrane, Retinal pigment sheath, Rhabdome, Reticular cell, sheath.
11. **Blood Circulatory System of Periplaneta:** (I) Haemocoel (II) Heart (III) Blood [IPE]

FRUITY Qs OF IPE**(1 x 4) + (1 x 8) = 12 Marks**

1. Draw a neat labelled diagram of the mouthparts of cockroach?
2. Draw a neat labelled diagram of the salivary apparatus of cockroach.
3. Draw a neat labelled diagram of ommatidium.
4. Describe the digestive system of cockroach with the help of a neat labelled diagram.
5. Describe the blood circulatory system of Periplaneta in detail and draw a neat and labelled diagram of it.
6. Describe the respiratory system of cockroach with the help of neat and labelled diagrams?

BABY BULLET-Q