



**Q.1. Give short answers of the following: (15x2=30)**

- i. Differentiate schizocoelous and enterocoelous?**
- ii. What is tracheal system of tubules in arthropods?**
- iii. What is biramous in Trilobite appendages?**
- iv. Define necrazitaion?**
- v. Syconoid type of canal system?**
- vi. What is tagmatization?**
- vii. Differentiate pseudocoelomate and acoelomate?**
- viii. What is Tympanal organs?**
- ix. Differentiate between ametabolous metamorphosis and Paurometabolous metamorphosis?**
- x. What is Gonionemus medusa?**
- xi. What is Flying squidis?**
- xii. Differentiate open and close circulatory system with example?**
- xiii. What is metameric segmentation?**
- xiv. Internal stricter of cilia?**
- xv. What is Colloblasts, and its function?**

**Answer the following questions. (3x10=30)**

**Q.2 Write detail notes on phyletic lineage and its types, and discuss its role in phylogenetic systematics?**

**Q.3 Describe the body wall and nematocysts in cnidarians?**

**Q.4 Discuss in detail classification and important characteristics of Phylum Mollusca**