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**Note:-**

1. All Questions are compulsory.
2. Numbers on the right indicate full marks.

**Section A**

**Q.1 Select and write the correct answer.**

**(4)**

1. Which among the following belongs to superclass tetrapoda?  
A) Amphibia      B) Reptilia  
C) Mammalia      D) All of the above
2. Identify the 'Poikilothermic' animals  
A) Bufo            B) Salamandra  
C) Hyla            D) All of the above
3. In which of the following, heart is not perfectly four chambered?  
A) Turtle            B) Chameleon  
C) Both (a) & (b)    D) Crocodile
4. Which of the following belongs to class – Ave?  
A) Corvus            B) Passer  
C) Neophron      D) All of the above

**Q.2 Answer the following.**

**(3)**

1. Enlist harmful arthropods.
2. Define Non chordates.
3. Define Radial symmetry.

**Section B**  
**Attempt any Four**

- Q.3 What is lateral line system? **(2)**
- Q.4 Crab and Snail both have a protective covering. Is it made up of the same material? **(2)**
- Q.5 How the bees produce honey? **(2)**
- Q.6 Identify the animals given in the picture and write features of its phylum / class. **(2)**



- Q.7 Cnidarians and Ctenophorans are both diploblastic. Which other character do they have in common, which is not found in other phyla? **(2)**

Q.8 Fish and snake both have scales. How do these scales differ from each other? (2)

**Section C**  
**Attempt any Two**

Q.9 Why *Balanoglossus* is considered as connecting link between Non-Chordates and Chordates? (3)

Q.10 Why are Leeches used in Ayurveda? (3)

Q.11 Draw neat labelled diagram.  
*Sycon* (3)

**Section D**  
**Attempt any One**

Q.12 Differentiate between Chondrichthyes and Osteichthyes on the basis of scales and caudal fin. (4)

Q.13 Identify the animals given in the picture and write features of its phylum / class. (4)

