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**SUBJECT CODE NO:- B-2035**  
**FACULTY OF SCIENCE AND TECHNOLOGY**  
**B.Sc. S.Y. (Sem-III) Examination Oct/Nov 2019**  
**Zoology Paper-VII**  
**Vertebrate Zoology**

[Time: 1:30 Hours]

[Max.Marks:50]

Please check whether you have got the right question paper.

- N.B 1) Attempt All questions.  
 2) Illustrate your answer with suitable labeled diagram.
- Q.1 Describe nervous system of scoliodon. 20  
 Describe general characters of Pisces. 20
- Q.2 Describe flight adaptation in birds. 20  
 Write short note on (any four) 20  
 a) Gastrulation in chick  
 b) Poisonous and non – poisonous snake  
 c) Blastula  
 d) External characters of calotes  
 e) Migration in birds  
 f) Structure of mammalian heart.
- Q.3 Multiple choice questions. 10  
 1) Fishes are characterized by the presence of  
 a) Dermal scale b) Paired fin  
 c) Pharyngeal gill d) All of these  
 2) Jaws are absent in  
 a) Cyclostomata b) Fishes  
 c) Mammal d) Scoliodon  
 3) Snakes lacks  
 a) Girdles b) Eyelids  
 c) Limbs d) All of above  
 4) The egg of frog can be defined as  
 a) Centrolecithal b) Isolecithal  
 c) Telolecithal d) Alecithal

- 5) Mammals are
- |                   |                  |
|-------------------|------------------|
| a) Eurythermal    | b) Homeiothermal |
| c) Poikilothermal | d) Stenothermal  |
- 6) The study of migration of birds is
- |               |              |
|---------------|--------------|
| a) Nidology   | b) Phenology |
| c) Phrenology | d) Ecology   |
- 7) Placoid scales are found in
- |                         |                            |
|-------------------------|----------------------------|
| a) Bony fishes          | b) Lung fishes             |
| c) Cartilaginous fishes | d) Palaeontological fishes |
- 8) In reptiles the skin is covered by
- |                 |                     |
|-----------------|---------------------|
| a) Plates       | b) Horny scales     |
| c) Horny scutes | d) All of the above |
- 9) The name of structure in mammals which divide the body into two parts is called as
- |              |           |
|--------------|-----------|
| a) Diaphragm | b) illeum |
| c) Trachea   | d) Lives  |
- 10) Placenta is totally absent in
- |                   |                 |
|-------------------|-----------------|
| a) All monotremes | b) Metathesians |
| c) Euthesians     | d) All primates |