

## **2024(Backlog)**

*Time : 3 hours*

*Full Marks : 60*

*Pass Marks : 24*

*Candidates are required to give their answers in their own words as far as practicable.*

*The figures in the margin indicate full marks.*

*Answer from both the Groups as directed.*

### **Group – A**

#### **(Compulsory)**

1. Choose the correct answer of the following :

1×10 = 10

(a) The continental drift theory was proposed by :

(i) Wegener

(ii) Malthus

(iii) Tansley

(iv) None of these

(b) \_\_\_\_\_ is an egg laying mammals.

(i) Kangaroo

- (ii) Whale
  - (iii) Duck billed platypus
  - (iv) None of these
- (c) \_\_\_\_\_ is an oil producing gland on the tail of some birds.
- (i) Green gland
  - (ii) Sebaceous gland
  - (iii) Preen gland
  - (iv) All of these
- (d) Flying birds are grouped in :
- (i) Carinatae      (ii) Ratitae
  - (iii) Neognathare      (iv) None of these
- (e) Sphenodon is the connecting link between amphibians and :
- (i) Fishes      (ii) Aves
  - (iii) Reptiles      (iv) None of these
- (f) \_\_\_\_\_ is commonly known as flying lizard.
- (i) Draco      (ii) Heloderma
  - (iii) Calotes      (iv) Hemidactylus

- (g) Fish species that migrate from fresh water to sea to spawn is :
- (i) Anadromous
  - (ii) Catadromous
  - (iii) Amphidromous
  - (iv) None of these
- (h) A pair of Air sacs is present in :
- (i) **Symbranchus**      (ii) **Anabas**
  - (iii) **Amphipnous**      (iv) **Clarius**
- (i) \_\_\_\_\_ is the larva of Acorn worm.
- (i) Bip linnaria      (ii) Tornaria
  - (iii) Cercaria      (iv) Auricularia
- (j) \_\_\_\_\_ is a vertebrate without true jaws.
- (i) Hagfish      (ii) Devil fish
  - (iii) Cat fish      (iv) Lancelet

2. Write short note on any **one** of the following : 5
- (a) Characteristics of Cyclostomes
  - (b) Parental care in Amphibians
  - (c) Affinities of prototheria

## Group – B

Answer any **three** questions of the following :

15×3 = 45

3. What do you mean by retrogressive metamorphosis ? Discuss this with reference to an Urochordate.
4. Describe the biting mechanism of snakes.
5. Describe the characteristics fauna of Australian region.
6. Classify the class amphibian upto orders with characters and examples.
7. Write short notes on any **two** of the following :
  - (a) Migration in birds
  - (b) Swim bladder in fish
  - (c) Poison apparatus in snakes
  - (d) Osmoregulation in fishes

