

- NB : (1) **All** questions are **compulsory**.
 (2) **Figures** to the **right** indicate full **marks**.
 (3) Draw neat, labelled diagrams wherever necessary.

1. (A) Fill in the blanks by choosing the correct option :-

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- (a) Great white pelican feeds on _____.
 - a. fish and small invertebrates.
 - b. fruits and nuts.
 - c. herbs and nectar.
- (b) Ears of Malabar Giant Squirrel are _____.
 - a. long and pointed
 - b. short and round
 - c. long and tapering
- (c) The branch of biology that deals with the study of animal behaviour is known as _____.
 - a. Sociology
 - b. Ethology
 - c. Entomology
- (d) Water forms the major part of milk and ranges from _____.
 - a. 80% - 90%
 - b. 10% - 20%
 - c. 60% - 75%
- (e) Centipedes and red ants _____ the cocoons of earthworms.
 - a. protects
 - b. damage
 - c. nourish

(B) Match the columns I and II and rewrite.

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I

II

- | | |
|----------------------------|--|
| (a) African dwarf sawshark | (i) Co operative hunting strategies |
| (b) Flying fish | (ii) Indian dog breed |
| (c) Lions | (iii) Long hair coat, calm personality |
| (d) Mudhol Hound | (iv) Long tooth studded snout |
| (e) Persian cat | (v) Pectoral fin for gliding |

(C) State whether true or false

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- (a) Lesser flemingoes live in large flocks.
- (b) Bright colouration of straberry poison frog is used as warning.
- (c) Tigers exhibit territorial behaviour.
- (d) Excessive moisture and poor aeration are beneficial for vermicomposting.
- (e) The product obtained from milk by removal of water and fats is called as 'Whole milk'

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- (D) Answer in one sentence. 05
- Name the fish which can walk on mudflat using its pectoral fin.
 - Name the state butterfly of Maharashtra.
 - Give one example of wild life conservancy in Kenya.
 - Give one example of fish showing schooling behaviour.
 - What is the suitable pH range for survival of earthworms ?
2. (A) Describe the mechanism of deep sea diving in sperm whales. 10
- OR**
- (A) Describe Cheetah and Malabar Giant Squirrel. 10
2. (B) Describe **any two** of the following. 10
- Striped tiger butterfly
 - Fan throated Lizard
 - Michael Jackson monkey
 - Kingfisher as feathered biped
3. (A) Describe Snow leopard conservancy in India. 10
- OR**
- (A) Differentiate between innate behaviour and learning. 10
3. (B) Explain **any two** of the following. 10
- Defensive behaviour in Octopus
 - HIPPCO
 - Aggressive behaviour in gorilla
 - Communication using sound signals.
4. (A) Describe the role of dairy development in rural economy of India. 10
- OR**
- (A) Describe the management of dropsy and white spot disease in ornamental fishes. 10
4. (B) Explain **any two** of the following. 10
- Labrador
 - Harvesting in vermicomposting
 - Curd and yogurt
 - Breeding behaviour of Oscar fish

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5. Write short notes on **any four** of the following :

- (a) Gharial
- (b) Spatuletail hummingbird
- (c) Social behaviour in elephants
- (d) Extinction crisis
- (e) Paneer
- (f) Siamese cat

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