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ZOO 102

**a) Structure & Function Vertebrates,
b) Biostatistics (Old) (102)**

P. Pages : 2

a) Structure & Function Vertebrates

Time : Three Hours

Max. Marks : 80

Instructions to Candidates :

1. Do not write anything on question paper except Seat No.
2. Graph or diagram should be drawn with the black ink pen being used for writing paper or black HB pencil.
3. Students should note, no supplement will be provided.
4. Answer the two section in two separate answer book.
5. Draw a neat labelled diagrams wherever necessary.
6. Use of statistical table & calculator is allowed, Graph paper provided separately.

SECTION - I

a) Structural and functional Anatomy of vertebrates

1. a) Select and write most appropriate answer from given options. 4
 - i) In Amphioxus the Fin-ray boxes supporting the _____.

a) Gills	b) Phoenyx
c) Fins	d) Mouth
 - ii) Immoveable eyelids present in _____.

a) Frog	b) Pigeon
c) Scoliodon	d) Lizard
 - iii) Pecten is present in the eye of.

a) Fish	b) Pigeon
c) Kiwi	d) Rabbit
 - iv) The organ of taste are called _____.

a) Gustatoreceptors	b) Olfactoreceptors
c) Photoreceptors	d) Statoreceptors
- b) Define/Explain. 4
 - 1) Atriopore.
 - 2) Pecten.
2. Describe in detail origin and phylogeny in chordates. 8
3. Describe pelvic girdle and hindlimb bones in Rabbit. 8

OR

Describe the morphology and Anatomy of salpa. 8

- 4. Adaptive Radiation in Mammals. 8

OR

Compare the anatomy of photoreceptor. 8

- 5. Write notes on **any two**. 8
 - i) Retina.
 - ii) Atlas.
 - iii) Olfactory organs in Aves.