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**SIIS-N-192 B-18**  
**B.Sc. IIIrd Semester Degree Examination**  
**ZOOLOGY**  
**(Comparative Anatomy of Vertebrates and Histology)**  
**Paper - Z-3**  
**(New)**

**Time : 3 Hours**

**Maximum Marks : 80**

***Instructions to Candidates:***

- 1) *Answer all the questions.*
- 2) *Draw diagram wherever necessary.*

**I. Answer the following in one word or one sentence :**

**(15×1=15)**

- 1) Pygostyle
- 2) Ruminants
- 3) Glenoid cavity
- 4) Ctenoid scale
- 5) Pancreatic acini
- 6) Microvilli
- 7) Quillfeather
- 8) Femur
- 9) Corpus albicans
- 10) Crop
- 11) Isthmus
- 12) Conus arteriosus
- 13) Brunner's gland
- 14) Metanephros
- 15) Homodont.

- II. A. Answer any THREE of the following (3×5=15)**
- 16) Integument of Calotes.
  - 17) Aortic arches of fish.
  - 18) Pronephric Kidney.
  - 19) Pelvic girdle of frog.
- B. Answer any TWO of the following. (2×5=10)**
- 20) Histology of Liver.
  - 21) Histology of Tongue.
  - 22) Structure of seminiferous tubule.
- III. A. Write an explanatory note on any THREE of the following. (3×10=30)**
- 23) Compare the eye of Frog and Rabbit.
  - 24) Compare the heart of Calotes and Pigeon.
  - 25) Compare the brain of Shark and Calotes.
  - 26) Compare the fore limb of Frog and bird.
- B. Write an explanatory note on any ONE of the following. (1×10=10)**
- 27) Histology of stomach.
  - 28) Histology of Ovary.
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