

**U.G. 4th Semester Examination - 2021****ZOOLOGY****Course Code : BZOOCCHC 401****Course Title : Comparative Anatomy of Vertebrates**

Full Marks : 30

Time : 2 Hours

*The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.*

1. Answer any **ten** questions: 1×10=10
- a) Explain dicondylar skull.
  - b) What is preen gland?
  - c) What is foramen triosseum?
  - d) What is ductus Cuvieri?
  - e) What is ruminant stomach?
  - f) What is bunodont tooth?
  - g) Lizard has which type of kidney?
  - h) What is ductus arteriosus?
  - i) What is Prong horn?
  - j) What is crura cerebri?

- k) What is corpus striatum?
- l) Name the 11th cranial nerve of mammals.
- m) What is amphicoelous vertebrae?
- n) What is Aqueduct of Sylvius?
- o) What is foramen magnum?

2. Answer any **five** questions: 2×5=10
- a) Write the difference between claw and nail.
  - b) What are scutes and state its function.
  - c) Cite examples where you can observe acrodont and homodont type of dentition.
  - d) What is the difference between physostomous and physoclistous type of swim-bladder?
  - e) Write the difference between foramen ovale and foramen of Panizza.
  - f) What is the difference between beak and bill?
  - g) What is the function of Jacobson's organ and where it is found?
  - h) Write any two differences between mesonephric and metanephric kidneys.

3. Answer any **two** questions:  $5 \times 2 = 10$

a) What do you understand by jaw suspension?  
What is autostylic jaw suspension? How an  
autostylic jaw suspension is differs from  
craniostylic type of jaw suspension? Give one  
example where you can find a holostylic type  
of jaw suspension.  $1+1+2+1$

b) Describe ruminant stomach with a diagram.  
 $3+2$

c) Describe the structure of a typical feather  
with a suitable diagram.  $3+2$

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