

FAKIR CHAND COLLEGE  
INTERNAL EXAM 2021  
**SEMESTER- 4**  
ZOOLOGY HONOURS

Paper- CC8 (Comparative Anatomy of Vertebrates)

FM-10

Answer any Ten (10) : 10x1

1. What is the role of sudorific gland ?
2. Write the role of ceruminous gland.
3. What is diastema ?
4. What type of teeth is elephant's task ?
5. How do you differentiate stomach of cow from camel ?
6. What is the role of europygeal gland ?
7. What is gill racker ?
8. Write the name of the unpaired air sac in bird ?
9. What is tripartite concept in kidney ?
10. What type of kidney is found in myxine larva ?
11. Write the name of the X th cranial nerve.
12. Write the distribution of IX th cranial nerve.
13. What is organ of corti ?
14. How many cervical vertebrae are present in pigeon ?
15. What is glenoid cavity ?

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Paper- CC9 (Animal Physiology)

FM-10

Answer any Ten (10) : 10x1

1. What is Bohr effect?
2. What is residual volume?
3. What is the effect of diphosphoglycerate (DPG) on oxygen dissociation curve?
4. Write the composition of bile.
5. Write names of 4 enzymes present in pancreatic secretions.
6. How many amino acids are present in beta chain of globin?
7. What is bombay phenotype ?
8. Define - erythroblastosis foetalis.
9. Write two physiological adaptations in camel for thermal regulation.
10. How do you differentiate between stenohaline and euryhaline ?
11. What is the function of glomerulus?
12. How is acid base balance maintained?
13. What is thrombosis?
14. What is cardiac output?
15. Which is the pacemaker in heart?

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Paper- CC10 (Immunology)

FM-10

Answer any Ten (10) : 10x1

1. What is humoral immunity?
2. What is the origin of Bcells?
3. What is MHC?
4. Give example of type IV hypersensitivity.
5. What is the function of mast cells?
6. Which immunoglobulin is a dimer?
7. What is the difference between immunogens and allergens?
8. Name an adjuvant.
9. What is the difference between adjuvant and haptens?
10. Name a proinflammatory cytokine?
11. What is the function of TNFs?
12. What triggers an immune reaction?
13. Write the principle of RIA.
14. Which Ig passes placenta?
15. What are epitopes?

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Paper- SECB1

FM-10

Answer any Ten (10) : 10x1

1. Write two examples of exotic fish species.
2. Write 2 examples of gold fish breed.
3. What are 'living capsules of nutrition'?
4. Write 2 characteristics of live feed?
5. What are 'wheel animalcules'?
6. Name the two process of decapsulation of *Artemia*.
7. What is infusoria?
8. Write 2 sources of protein in fish feed.
9. Write one difference between dry feed and moist feed.
10. Why moist feed is vulnerable to fungal attack?
11. Write about any one feed dispensing method.
12. Name 2 anesthetic used in fish transportation.
13. What is the optimum temperature for fish management?
14. What is the function of aerator?
15. How to manage algal problem in aquarium? (1 tip)