

D.K.M. COLLEGE FOR WOMEN (AUTONOMOUS), VELLORE-1

DEPARTMENT OF ZOOLOGY

CHORDATA (15CZO2A)

Section -A (UNIT -I) (2 Marks)

1. Acrania
2. Craniata
3. Cephalochordata
4. Hemichordata
5. Urochordata
6. Tunicates
7. Vertebrates
8. Agnatha
9. Tetrapods
10. Nerve cord
11. Notochord
12. Belanoglossus
13. Ascidians
14. Garstang Bateson theory
15. Lancelet or Amphioxus
16. Oral hood
17. Oral cirri
18. Atrium
19. Hatschek's pit
20. Velum
21. Endostyle
22. Hatschek's nephridium
23. Solenocytes
24. Kolliker's pit
25. Hepatic diverticulum
26. Gill clefts

Section B (5 Marks Questions)

1. Write about the general characters of chordata
2. Write about the general characters of Hemichordata
3. Write about the general characters of Urochordata
4. Write about the general characters of Cephalochordata
5. Explain the classification of phylum Chordata
6. Explain the morphology of Amphioxus
7. Explain the excretory system of Amphioxus
8. Explain the affinities of Amphioxus

Section C (10 Marks Questions)

1. Describe the general characters and classification of Chordate
2. Describe the general characters and affinities of Amphioxus
3. Explain the digestive system and feeding in Amphioxus
4. Explain the circulatory system of Amphioxus

UNIT II Section A (2 Marks Questions)

1. Condrichthyes
2. Osteichthyes
3. Teleosts
4. Shark
5. Arius
6. Hippocampus
7. Placoid scale
8. Heterocercal tail
9. Paired fins
10. Median fins
11. Scroll valve

12. Holobranch
13. Conus arteriosus
14. Ductus cuvieri
15. Portal system
16. Saccus vasculosus
17. Iter
18. Foramen of monro
19. Membranous labyrinth
20. Neuromast organ
21. Ampulla of lorenzini
22. Yolk sac placenta
23. Sexual dimorphism in shark
24. Sexual dimorphism in frog
25. Urodela
26. Toad
27. Apoda
28. Hyla
29. Rachoporous
30. Ichthyophis
31. Truncus arteriosus
32. Choroid Plexus
33. Trigeminal
34. Facial
35. Vagus
36. Tympanum
37. Bidder's canal
38. Metamorphosis
39. Amphicoelous vertebra
40. Procoelous vertebra
41. Hyoid apparatus

Section B (5 Marks Questions)

1. Give an account on general characters of pisces.
2. Give an account on general characters of amphibians
3. Give an account on classification of fishes with example.
4. Give an account on classification of Amphibians with example.
5. Explain digestive system of shark.
6. Explain venous system of shark.
7. Explain respiratory system of shark.
8. Explain brain of shark.
9. Explain sense organs of shark.
10. Describe arterial system of frog.
11. Describe venous system of frog.
12. Describe heart of frog.
13. Describe venous system of frog.
14. Describe brain of frog.
15. Describe cranial nerves in frog.
16. Write about adaptive features of Anura with example.
17. Write about adaptive features of Apoda with example.
18. Write about adaptive features of Urodela with example.

Section C (10 Marks Questions)

1. Write an essay on general characters and classification of fishes.
2. Write an essay on general characters and classification of Amphibia.
3. Explain heart and arterial system of scoliodon.
4. Explain venous system of scoliodon.
5. Explain cranial nerves of scoliodon.
6. Explain respiration in frog.
7. Explain the urinogenital system of frog.
8. Explain the life cycle of frog.

9. Write an essay on parental care in fishes.

UNIT-III

Section A (2 Marks questions)

1. Cotylosaurs
2. Plesiosauria
3. Ichthyiosauria
4. Crocodilia
5. Rhynchocephalia
6. Optic chiasma
7. Extinct Reptiles
8. Dinosaurs
9. Draco
10. Pterosaurs
11. Chamaeleon
12. Vipers
13. Kraits
14. Cobra
15. Sea snakes
16. Aortic arch of calotes
17. Ductus Caroticus
18. Dorsal aorta
19. Amniotes
20. Neurotoxin
21. Haemotoxin
22. Poison apparatus
23. Copradaeum
24. Epididymis
25. Mesovaria
26. Olfactory Peduncle

27. Acetabulum

Section B (5 Marks questions)

1. Give an account on morphology of calotes.
2. Give an account on digestive system of calotes.
3. Give an account on venous system of calotes.
4. Give an account on brain of calotes.
5. Explain the general characters of Reptilia.
6. Explain the classification of Reptilia.
7. Describe skull of calotes.
8. Describe pectoral girdle of calotes.
9. Describe pelvic girdle of calotes.
10. Explain the identification of poisonous snakes.
11. What are Mesozoic or extinct reptiles.

Section C (10 Marks questions)

1. Explain the general characters and classification of Reptilia.
2. Explain the circulatory system of calotes.
3. Explain the urinogenital system of Calotes.
4. Describe the poison apparatus and biting mechanism in snakes.
5. Write an essay on extinct reptiles.

UNIT-IV

Section A (2 Marks questions)

1. Aves
2. Glorified reptiles
3. Masters of air
4. Feathered Bipeds
5. Ratitae

6. Archaeopteryx
7. Warm blooded animals
8. Postpatagium
9. Flight muscle
10. Air Sacs
11. Syrinx
12. Double ventilation
13. Pecten
14. Perching
15. Symsacrum
16. Keel
17. Furcula
18. Bursa Fabricius
19. Crop gland
20. Pigeon's milk
21. Rectal caeca
22. Gizzard
23. Neorinthes
24. *Columbi livia*
25. Rhamphotheca
26. Alar membrane
27. Pterylosis
28. Quill feather
29. Contour feather
30. Filoplumes
31. Crop
32. Double respiration
33. Air Sacs
34. Flight muscles
35. Aortic arch of pigeon
36. Kiwi

37. Ostrich
38. Sternum
39. Tarsometatarsus
40. Glenoid cavity
41. Pectorilis major
42. Pectorilis minor
43. Palate
44. Furcula
45. Rectrices
46. Remiges

SECTION B (5 Marks Questions)

1. Write an essay on general characters of Aves.
2. Describe the digestive system of pigeon in detail.
3. Discuss about the circulatory system and working of heart of pigeon in detail.
4. Discuss about the arterial system of pigeon in detail.
5. Discuss about the venous system of pigeon in detail.
6. Discuss about the portal system of pigeon in detail.
7. Discuss about the respiratory system of pigeon in detail.
8. Describe the flight muscles of pigeon in detail.
9. Describe the general characters of ratitae.
10. Describe the reproductive system of pigeon in detail.
11. Describe the axial skeleton of pigeon in detail.
12. Describe the appendicular skeleton of pigeon in detail

SECTION C (10 Marks Questions)

1. Write an essay on general characters and classification of Aves.
2. Describe about respiratory system and the mechanism involved in it.

3. Describe the nervous system of pigeon in detail.
4. Discuss about the sensory organs found in pigeon in detail.
5. Write a brief note on different types of feathers in pigeon.
6. What helps a bird to fly in air?
7. What is an Archaeopteryx and why is it important?
8. Explain the salient features of synsacrum of pigeon with a neat sketch.
9. Explain the salient features of pectoral and pelvic girdle of pigeon with a neat sketch.
10. Explain the salient features of fore limb and hind limb of pigeon with a neat sketch.

UNIT V

SECTION A (2 Marks Questions)

1. Eutheria
2. Prototheria
3. Marsupalia
4. Sweat glands
5. Sebaceous glands
6. Pinna
7. Thecodont
8. Heterodont
9. Diphyodont
10. Corpus callosum
11. Corpora quadrigemina
12. Cochlea
13. Graffian follicle
14. Placenta
15. Echidna
16. Bat
17. Aquatic mammals

18. Primates
19. Lagomorpha
20. Vibrissae
21. Mammary gland
22. Dental formula of rabbit
23. Typical dental formula of mammals
24. Grinders
25. Vermiform appendix
26. Sacculus rotundus
27. Larynx
28. Trachea
29. Diaphragm
30. Tricuspid valve
31. Bicuspid valve
32. Flocculus
33. Scrotal sacs
34. Flocculus
35. Scrotal sacs
36. Bowman's Capsule
37. Vestibule
38. Atlas
39. Axis

SECTION-B (5 Marks Questions)

1. Explain the general characters of mammals.
2. Explain the classification of mammals.
3. Write an essay on egg laying mammals.
4. Write an essay on flying mammals.
5. What is Eutherian?
6. Write notes on metatheria.
7. Explain about the heart of rabbit.

8. Explain about the morphology of rabbit.
9. Explain about the respiratory system of rabbit.
10. Explain about the arterial system of rabbit.
11. Explain about the venous system of rabbit.
12. Explain about the brain of rabbit.
13. Explain about the vertebral column of rabbit.
14. Explain about the pectoral girdle of rabbit.
15. Explain about the pelvic girdle of rabbit.

SECTION C (10 Marks Questions)

1. Explain the general characters and classification of mammalia.
2. Explain the digestive system of Rabbit.
3. Explain the heart and arterial system of Rabbit.
4. Explain the urinogenital system of Rabbit.
5. Write an essay on egg laying mammals.
6. Write an essay on Eutherian mammals.
7. Write an essay on dentition in mammals.