

I. One word questions (Answer all the questions)

1. Name the organism having partially four chambered heart
2. Name the reptile with third eye
3. which organism exhibits Hatschek's pits
4. Which is a limbless amphibian
5. Name the taxonomic order in which fish Latimeria belongs
6. Name the hormone helpful for metamorphosis in frog
7. Which animal produces Ammocoetes larva
8. Write the scientific name of Bangarus krait
9. Who discovered the frog *Nasikabatrachus sahyadrensis*
10. Name the organism which exhibit Neoteny

(10X1=10 Marks)**II. Paragraph questions (Answer any ten questions)**

11. Distinguish between procoelus and Amphicoelus vertebrae
12. Write short notes on the features of Agnatha
13. What are the arboreal adaptations of Racophorus
14. List the features of tunicates
15. Write short note on Neoceratodes
16. Describe the features of the order Cotylosauria
17. What are the primitive features of Brachiostoma
18. Write notes on sphenodon
19. Explain neoteny
20. Write notes on the features of Necturus
21. Briefly explain the male reproductive system of frog
22. Enlist the identification features of cobra.

(10X2= 20 Marks)**III. Short answer questions (Answer any five questions)**

23. Distinguish between cycloid and placoid scales of fishes
24. Write short notes on Doliolum
25. Give a brief account on the adaptations of Chamaeleon
26. Describe the feeding mechanism of amphioxus
27. Enlist the identification characters of poisonous snakes
28. Differentiate between Crocodylus and Alligator
29. What are the distinguishing features of Urochordata
30. Describe respiration in frog

(5X6= 30 Marks)**IV. Essay Questions (Answer any two questions)**

31. Explain the nervous system of Calotes with a suitable diagram
32. Describe the venous system of frog
33. Classify amphibia down to order with suitable examples
34. Describe the features of proto chordates with examples

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Reg. No:.....

Name:

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

Third Semester BSc Degree Examination, November 2016

ZO3C03 – Physiology, Toxicology and Ethology

(2015 Admission onwards)

Max. Time: 3 hours

Max. Marks: 64

(Give illustrations and figures wherever necessary)

I. One word questions.(Each question carry 1 mark).Answer all questions :

1. Name the most ancient industrial toxicant.
2. Name the nutrition in which pre-digested food absorption through body surface.
3. Name the metallic part of Haemocyanin.
4. Name the disease characterized by reduced blood supply to the heart.
5. Name the functional junction between two neurons.
6. Name principal constituent of automobile exhausts.
7. Name the summer sleep.
8. Name a water soluble protein.
9. Name chemicals involved in the synaptic transmission.
10. Name the disease caused by Mercury poisoning. (10x1=10)

II. Short Answer questions.(Each question carry 2 marks). Answer any seven.

11. What is micropinocytosis?
12. What is starvation?
13. Mention the significance of fasting.
14. What is Myocardial infarction?
15. What is Nephrosis?
16. What is klinotaxis?
17. What is Altruism?
18. What is Photochemical Smog?
19. What are the events in cross-bridge binding?
20. What are instincts? (7x2=14)

III. Answer any four of the following as paragraph:

21. Explain the functions of Plasma Membrane.
22. Explain the importance of fiber.
23. Briefly explain the Urea formation.
24. Briefly explain behavior patterns of social organization.
25. Write an account on group formation.
26. Explain briefly Radiation hazards. (4x5=20)

IV Answer any two of the following

27. Give an account on mechanism of Gas Exchange in animals
28. Write an essay on communication in animals
29. Describe impulse transmission
30. Briefly describe transmembrane transport. (2x10=20)