

1B3N20234

43

Reg.No:.....

Name:.....

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE
Third Semester B.Sc Degree Examination, November 2020
BZL3B03 - Animal Diversity: Chordata Part - I
(2019 Admission onwards)

Time: 2 hours

Max. Marks: 60

Part A

Answer all questions.
Each question carries Two marks.
Ceiling - 20 Marks

1. How can you show that the chordates are distinguished from nonchordates?
2. Differentiate between Euryapsida and Synapsida
3. What is paedogenesis
4. Briefly describe the classification of vertebrata
5. How would you explain that the amazing diversity makes the classification of chordata much a difficult task
6. Distinguish between trunk vertebra and caudal vertebra with the help of diagram
7. Outline primitive features of Amphioxus
8. Write the salient features of Agnatha.
9. Enlist 4 critically endangered chelonians
10. Comment on *Calotes versicolor*
11. What is paedogenesis
12. Solenocytes

Part B

Answer all questions.
Each question carries Five marks.
Ceiling - 30 Marks

13. Classify sub phylum Urochordata upto classes
14. Describe classification of chordata down to subphyla
15. Comment on stato-acoustic organ of *Calotes versicolor*
16. Mention a Affinities of Amphioxus
17. What you know about the accommodation of the lens of *Hoplobatrachus tigerinus*
18. Describe the characters of agnatha using two examples.
19. Ventricles of brain of Mullet

[P.T.O]

Part C

**Answer any one questions.
Each question carries Ten marks.**

20. Write an essay on the identification key for poisonous snakes
21. Describe the Nervous system of *Hoplobatrachus tigrinus*

(1 x 10 = 10 Marks)

44

1B3N20235

(Pages : 1)

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FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

Third Semester B.Sc Botany Degree Examination, November 2020

BZL3C03 – Physiology and Ethology

(2019 Admission onwards)

Time: 2 hours

Max. Marks : 60

I. Short answer questions. Each question carries 2 marks.

1. Name two abnormal constituents of human urine?
2. What is action potential
3. Distinguish nephrosis and nephritis?
4. What is rigor mortis?
5. Distinguish between thin and thick filaments.?
6. How does muscle get fatigued?
7. Role of ADH in osmoregulation.
8. Explain cardiac cycle.
9. What is imprinting? Explain with suitable example.
10. What is summation of stimuli?
11. Comment on social life of Lion
12. Differentiate bradycardia and tachycardia

(Ceiling: 20 marks)

II. Paragraph questions. Each question carries 5 marks.

13. Write a short account on the structure of the human heart.
14. Describe urea cycle.
15. Briefly explain the digestion of carbohydrates, proteins and lipids.
16. Write a note on social organization in elephants.
17. What is synapses? Describe the process of synaptic transmission.
18. Explain the neural and chemical control of respiration
19. Illustrate the structure and working of human heart.

(Ceiling: 30 marks)

III. Essay questions. Answer any one question.

20. Explain the Fluid- mosaic model of Plasma membrane?
21. Give a detailed account on communication in animals

(1 x 10 = 10 marks)

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45

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FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE
Third Semester B.Sc Psychology Degree Examination, November 2020
BZL3C04 - Human Physiology III
(2019 Admission onwards)

Time: 2 hours

Max. Marks: 60

Part A

Answer all questions.
Each question carries Two marks.
Ceiling - 20 Marks

1. Goitre
2. Mitral cell
3. Incus
4. Lens
5. Adrenaline
6. Thymus
7. Scala tympani
8. Visceral pain
9. Chemical pain stimuli
10. Pungent
11. Conjunctiva
12. Sour

Part B

Answer all questions.
Each question carries Five marks.
Ceiling - 30 Marks

13. Control of the diet
14. Describe hormones of thymus and their functions
15. Excitation of thermal receptors
16. Give account on visual perception
17. Structure of crista
18. Write on organ of corti
19. Sense of taste

[P.T.O]

Part C

Answer any one questions.

Each question carries Ten marks.

20. Define somato sensory cortex and give note on its areas
21. Different types of hearing abnormalities

(1 x 10 = 10 Marks)