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(Pages : 2)

Name.....

Reg. No.....

**FIRST SEMESTER (CBCSS—UG) DEGREE EXAMINATION
NOVEMBER 2021**

Zoology

ZOL 1C 01—ANIMAL DIVERSITY AND WILDLIFE CONSERVATION
(2019—2020 Admissions)

Time : Two Hours

Maximum : 60 Marks

Section A

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

- 1 Comment on *Sacculina*.
- 2 What is the concept of sustainable development ?
- 3 Mention the characters of *Vorticella*.
- 4 What is a gemmule ?
- 5 Give an account of *Ichthyophis*.
- 6 List the different functions of WWF.
- 7 Briefly describe *Hippocampus*.
- 8 Write a short note on the concept of threatened species.
- 9 Describe the general characters of Protista.
- 10 Explain mutualism with respect to Sea-anemone.
- 11 Write notes on *Branchiostoma*.
- 12 What is the significance and use of biodiversity ?

(Ceiling : 20 marks)

Section B

II. Paragraph questions. Each question carries 5 marks :

- 13 What are the ecological adaptations of *Chamaeleon* ?
- 14 Write down the general characters of Phylum Mollusca.
- 15 Describe the importance and strategies of wild life conservation.

Turn over

- 16 What are the parasitic adaptations of *Ascaris* ?
- 17 Write down the salient features of Class Mammalia.
- 18 Briefly describe the adaptations of *Rhacophorus*.
- 19 Write notes on *Pinctada fucata*.

(Ceiling : 30 marks)

Section C

III. Essay questions. Answer any *one* question :

- 20 Explain the water vascular system of star fish with suitable diagrams.
- 21 Write an essay on digestive system of Rabbit.

(1 × 10 = 10 marks)

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Name.....

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**FIRST SEMESTER B.A./B.Sc. DEGREE EXAMINATION
NOVEMBER 2019**

(CBCSS—UG)

Zoology

ZOL 1C 01—ANIMAL DIVERSITY AND WILDLIFE CONSERVATION

(2019 Admissions)

Time : Two Hours

Maximum : 60 Marks

Section A

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

- 1 Mention the fundamental characters of Kingdom Protista.
- 2 Write briefly on the medical importance of *Plasmodium*.
- 3 Distinguish between polyp and medusa.
- 4 Write a brief note on *Sepia*.
- 5 Mention the adaptations of *Hirudinaria*.
- 6 Distinguish between Chondrichthyes and Osteichthyes.
- 7 Write a note on the larva of *Petromyzon*.
- 8 Write briefly on limbless amphibians.
- 9 What is WWF ?
- 10 What is a Protected Area ? Mention two types of Protected Areas.
- 11 What do you mean by genetic diversity ? Give two examples.
- 12 What is an invasive species ? Mention two examples.

(Ceiling : 20 marks)

Section B

II. Paragraph questions. Each question carries 5 marks.

- 13 Explain the significance and uses of bio-diversity.
- 14 Describe the fundamental characters of the phylum Chordata.
- 15 Write a note on the poisonous snakes you have studied.
- 16 Explain why *Ascidia* is considered as a urochordate.

Turn over

- 17 Enlist the salient features of the phylum Arthropoda.
- 18 Classify the phylum Annelida down to classes giving salient features and one example for each class.
- 19 Write an account on two human helminth parasites you have studied.

(Ceiling : 30 marks)

Section C

III. Essay questions. Answer any *one* question. The question carries 10 marks.

- 20 With labeled diagrams explain the structure and functions of the thoracic and abdominal appendages of *Penaeus*.
- 21 With a labeled sketch explain the digestive system of *Oryctolagus*.

(1 × 10 = 10 marks)

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Name.....

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FIRST SEMESTER B.Sc. DEGREE EXAMINATION, JANUARY 2014

(UG-CCSS)

Complementary Course—Zoology

ZO IC 01—ANIMAL DIVERSITY AND WILD LIFE

(2013 Admission onwards)

Time : Three Hours

Maximum : 30 Weightage

I. Answer all *twelve* questions. Each question carries $\frac{1}{4}$ weightage.

1. Ambulacral system is present in phylum :

- (a) Annelida. (b) Echinodermata.
(c) Arthropoda. (d) Platyhelminthes.

2. Red data book is published by :

- (a) WHO. (b) WWF.
(c) IUCN. (d) UNESCO.

3. The animal that causes red tide is :

- (a) Vorticella. (b) Noctiluca.
(c) Paramecium. (d) Euglena.

4. Parenchymula is the larva of :

- (a) Obelia. (b) Leucosolenia.
(c) Arenicola. (d) Fasciola.

Match the following :

5. Syncytial epidermis (i) Ascidia.
6. Haemocoel (ii) Amphioxus.
7. Kolliker's pit (iii) Petromyzon.
8. Byssus threads (iv) Mytilus.
(v) Penaeus.
(vi) Ascaris.

Fill in the blanks :

9. Oviduct is also known as _____.
10. Structure of orientation and equilibrium in prawn is _____.

Turn over

11. _____ animal shows retrogressive metamorphosis.
12. Asterias is commonly called as _____.

(12 × $\frac{1}{4}$ = 3 weightage)

II. Short answer questions. Answer all *nine* questions.

13. Mention any two demerits of five kingdom classification.
14. What is anthropogenic extinction ?
15. What do you meant by Pneumatic bone ?
16. Comment on Parasitic castration.
17. What is Open Circulatory System ?
18. Name the *four* kinds of teeth in mammals.
19. Mention the symptoms of Viper bite.
20. What is Petasma ?
21. Highlight the significance of biodiversity.

(9 × 1 = 9 weightage)

III. Short answer questions. Answer any *five* questions.

22. Mention the peculiarities of Hirudinaria.
23. Peripatus is considered as the connecting link between annelida and arthropoda. Give reason.
24. Mention the arboreal adaptations of rhacophorus.
25. Give an account of Echeneis.
26. Write *four* important characters of Phylum protista.
27. Differentiate Polyp and Medusa.
28. Mention any *four* measures for attaining sustainable development.

(5 × 2 = 10 weightage)

IV. Essay questions. Answer any *two* questions.

29. With the help of diagram, describe the conducting system and pace maker of heart in rabbit.
30. Write an essay on the digestive system of Penaeus.
31. Give an account of any *two* Parasitic Platyhelminthes.

(2 × 4 = 8 weightage)