

B.Sc. 4th Semester (Programme) Examination, 2021

Subject: ZOOLOGY

Course ID: 42618

Course Code: SP/ZOO/401/C-1D

Course Title: Vertebrate (Old Syllabus)

Full Marks: 25

Time: 1 Hr 15 Min

*The figures in the right hand margin indicate full marks.
Candidates are required to give their answers in their own words.*

UNIT- I

1. Answer any five of the following questions: (1X5=5)

- What is Endostyle? (এন্ডোস্টাইল কি?)
- Justify the name Agnatha. (Agnatha নামের তাৎপর্য লেখো।)
- Give any two examples of the order Apoda. (অ্যাপোডা বর্গের দুটি উদাহরণ দাও।)
- What do you understand by Diapsid skull? (ডায়্যাপসিড কেরাটি বলতে কি বোঝো?)
- Define Latitudinal migration of birds. (পাখির দ্রাঘিমা-বরাবর পরিযান এর সংজ্ঞা দাও।)
- What do you understand by Hovering flight? (Hovering উড্ডয়ন বলতে কি বোঝো?)
- What do you mean by Echolocation in bats? (বাদুড়দের ইকোলোকেশন বলতে কি বোঝো?)
- What is marsupial sac?
(Marsupial sac বলতে কি বোঝো?)

UNIT II

2. Answer any two of the following questions: (5X2=10)

- Write down the three basic features of Chordata. What do you mean by Solenoglyphus fang? (কর্ডাটার তিনটি প্রধান বৈশিষ্ট্য লেখো। সোলেনোগ্লাইফাস বিষ দাঁত বলতে কি বোঝো?) (3+2=5)

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Date _____

- b) Write a short note on Accessory respiratory organ in fishes. (মাছের অতিরিক্ত শ্বসন অঙ্গের সম্পর্কে একটি সংক্ষিপ্ত টীকা লেখো।) 5
- c) What do you mean by Cloacal thymus and Pygostyle? Distinguish between Archaeornithes and Neornithes. (-LÓjuLjm b;Cj;p J f;C-N;ØV;Cm hm-a
 ৳L -h;T ? Bl৳LAl৳e-bp J ৳eJl৳e-bp Hl j-dÉ f;bÑLÉ ৳el;fZ Llz
 2+3= 5
- d) Discuss the continental drift theory. 5
 Continental drift theory B-m;Qe; Llz

UNIT- III

3. Answer any one of the following questions: (10X1=10)

- a) Mention the factors influencing the migration in fishes. Distinguish between Anadromous and Catadromous migration in fishes. Describe the catadromous migration in Eel. (j;R Hl migration ৳L ৳L factors fËi;h ৳hÙ¹;l L-l- a; B-m;Qe; Llz
 j;R Hl Anadromous J Catadromous migration বলতে কি বোঝো ? Eel j;R Hl
 catadromous migration hZÑe; (2+4+4=10)
- b) Differentiate between poisonous and non-poisonous snakes? What is poison gland? Discuss the different types of venoms found in snakes with example. Name the muscles involved in biting mechanism of snakes. (3+1+4+2=10)
 ৳hodl p;f J ৳ho৳hq£e p;f Hl j-dÉ a¨me;jpmL B-m;Qe; Llz
 ৳hoNË৳;Û ৳L? Ec;qIZ pq p;f Hl ৳h৳iæ fËL;l ৳ho Hl hZÑe; c;jZ p;f
 Hl L;jS Hl pju ৳L ৳L muscles AwnNËqe L-l a; E-õM Llz

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