

Shri Swami Vivekanand Shikshan Sanstha's
Vivekanand College, Kolhapur
(An Empowered Autonomous Institute)

Department of Zoology
Academic Year: 2025-2026

20/02/2026

NOTICE

All the students of B.Sc. I are hereby informed that the Open Book Unit Test for Semester II, Paper: Animal Diversity II will be conducted on 24/02/2026. Students are allowed to use textbooks, class notes, and printed study materials during the examination. However, the use of mobile phones, internet access, or any electronic gadgets is strictly prohibited. As this test forms a part of the Continuous Internal Evaluation (CIE), attendance is compulsory for all students.


Dr. G. K. Sontakke

Head

Department of Zoology
Vivekanand College Kolhapur
(An Empowered Autonomous Institute)

"Dissemination of Education for Knowledge, Science and Culture"
-Shikshanmaharshi Dr. Bapuji Salunkhe

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Department of Zoology
Academic Year: 2025-2026

24/02/2026

Paper: Animal Diversity II
Open Book Test Question Paper

1. Enlist general characterises of superclass- Pisces.
2. Give difference between class Chondrichthyes and Osteichthyes


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24/02/2026

B. Sc. I – Open Book Test

ATTENDANCE

Sr. No.	Roll No.	Name of the students	Signature
1	7554	Aishwajya Nandkishor pol	Anpol
2	7535	Shravani Umesh Mule	Smule
3	7543	Shravani Shashikant Patil	Patil
4	7538	Sandhyarani Bajirav Pate	Sandhya
5	7504	Apeksha Rajendra Chougale	Apeksha
6	7374	Amruta Sopan Daddikar	Amruta
7	7370	Amtuta Amar Chavan	A.A.Chavan
8	7436	Neha R. Patil	Neha
9	7437	Shrushti Raghunath Patil	Shrushti
10	7509	Dhanshri Anil Gaikwad	Dhanshri
11	7594	Mubina Arif Shaikh.	Mubina
12	7418	Samiksha Nivrutti Bamane	Samiksha
13	7489	Shraddha Prakash Patil	Shraddha
14	7519	Jyoti Basavaraj Karajgi	Jyoti
15	7517	Shraddha Babaji Kamble.	Shraddha
16	7479	Siddhi Rajaram Karale	Siddhi
17	7487	Ragini Sanjay Pandey	Ragini
18	7510	Shubham C. Gaikwad	Shubham
19	7407	Swaleha S. Mirzai	Swaleha
20	7425	Shravani R. Kumbhar	Shravani
21	7391	Saksakshi Kundan Patil	Saksakshi
22	-	Ankita Nagnath Bansode.	Ankita
23			
24			
25			

Pr.

Shrivani . V. Mule



(अधिकारप्रदत्त स्वायत्त)
कोल्हापूर

॥ ज्ञान, विज्ञान आणि सुसंस्कार यासाठी शिक्षण प्रसार ॥

- शिक्षणमहर्षी डॉ. बापूजी साळुंखे

VIVEKANAND COLLEGE, KOLHAPUR.

(Empowered Autonomous)

SUPPLIMENT

Animal diversity

Jr. Supervisor's Sign. :

Students Sign. : Shrivani

Seat No. : 7535

Seat No. in words :

Suppliment No. :

38785

Centre

प्र. क्र.

Q. No.

- Q1: Enlist general characteristics of super class pisces
Q2 Give difference between chondrichthyes & osteichthyes

Q1 General characteristics.

- => Cold blooded vertebrates.
- => Body is streamlined with well developed muscle musculature, paired & unpaired fins.
- => Gills are the organs of respiration.
- => Dermal scales form the exoskeleton.
- => Fins are supported by fin rays.
- => Mouth has true jaws with teeth.
- => Head shows the presence of eyes, nostrils & ears the sense organ.
- => Lateral ear has 3 semicircular canal.
- => Bony/cartilaginous endoskeleton supports the body.
- => Heart is 2 chambered & show single circulation.
- => Ribs are present.
- => In adult kidney is mesonephric.
- => Sexes are separate & some males have copulatory

02	Section	Q. No.																	
		Marks																	

प्र. क्र.
Q. No.

- => fertilization is external (except few),
- => Development is direct.
- => Migration of parental care is seen.
- => In adult kidney is mesonephric

Q2 Difference between.

Chondrichthyes

Osteichthyes.

- | | |
|---|--|
| 1> Cartilaginous fishes with cartilaginous Endoskeleton | Bony fishes with Bony Endoskeleton. |
| 2> Microscopic, placoid scales are present. | Microscopic cycloid scales are present. |
| 3> Mouth is present on ventral side. Teeth with enamel caps | Mouth is present on top side. without Enamel teeth caps. |
| 4> Tail is heterocercal or asymmetrical | Tail is homocercal. |
| 5> Males have claspers | Absence of claspers in males |
| 6> Air bladder & operculum are absent | Air bladder & operculum are present. |
| 7> Spiracles are present | absence of spiracles. |

प्र. क्र.
Q. No.

8) These are cold blooded $\Rightarrow$ These are cold blooded vertebrates.

9) Heart is two chambered $\Rightarrow$ Heart is 2 chambered.

10) There are 5-7 pairs of aortic arches are present $\Rightarrow$ Only 4 pairs of aortic arches are present

11) ~~Calcium & cloaca present~~ $\Rightarrow$ Calcium is absent

12) Ex:- Whaleshark, Skates $\Rightarrow$ Ex:- Lungfish, Salmon, eels

(अधिकारपदस्त स्वायत्त)

कोल्हापूर