



Shri Shivaji Education Society Amravati's
Shri Shivaji Science And Arts College, Chikhli
Department of Zoology

A Report on Bridge Course
Academic Session 2018-19



Held During
09/07/2018 to 14/07/2018

Coordinator
Dr. V. M. Hemke

Organized by
Department of Zoology
Shri Shivaji Science And Arts College,
Chikhli.

Report

Department of Zoology, Shri Shivaji Science And Arts College, Chikhli conducted a two weeks (10 hrs) bridge course from 09/07/2018–14/07/2018 before the commencement of regular classes. The main objective of the course is to bridge the gap between subjects studied at Pre-university level and subjects they would be studying in engineering. Bridge Course will help the students to have a smooth transition to the Engineering courses. The Bridge Courses also focus on the pupil with different learning abilities, academic standards and performances.

Aim: With a view to enhance the knowledge in subject, we frame a bridge course to first semester of BSc-Zoology course students.

Objectives:

- ✓ To bridge the gap between pre-college and collegiate education and make easy way to learn Zoology.
- ✓ The students will be developed keen interest in subject Zoology and the confidence needed to take on bigger challenges.
- ✓ Before beginning the main year course, it will equip students with information. Furthermore, it will also provide certainty through interactive and dynamic learning.

All the students of BSc-I, Sem-I were informed regarding Bridge through notice. Students admitted for Sem-I were present for all lectures and practical session conducted during course.

Design: The course consists of 10 Hrs of interactive sessions and with oral question answer session for evaluation designed by the Zoology departments which is compulsory for all students.

Time Schedule: Two lectures conducted daily Monday to Saturday, first lecture - 10:20 to 11 am and second lecture as per regular Time-Table.

Duration: 6 Days, 10 Hrs.

Notice for students:



Shri Shivaji Education Society Amravati's
Shri Shivaji Science And Arts College, Chikhli
Department of Zoology

Bridge Course 2018-19

Notice

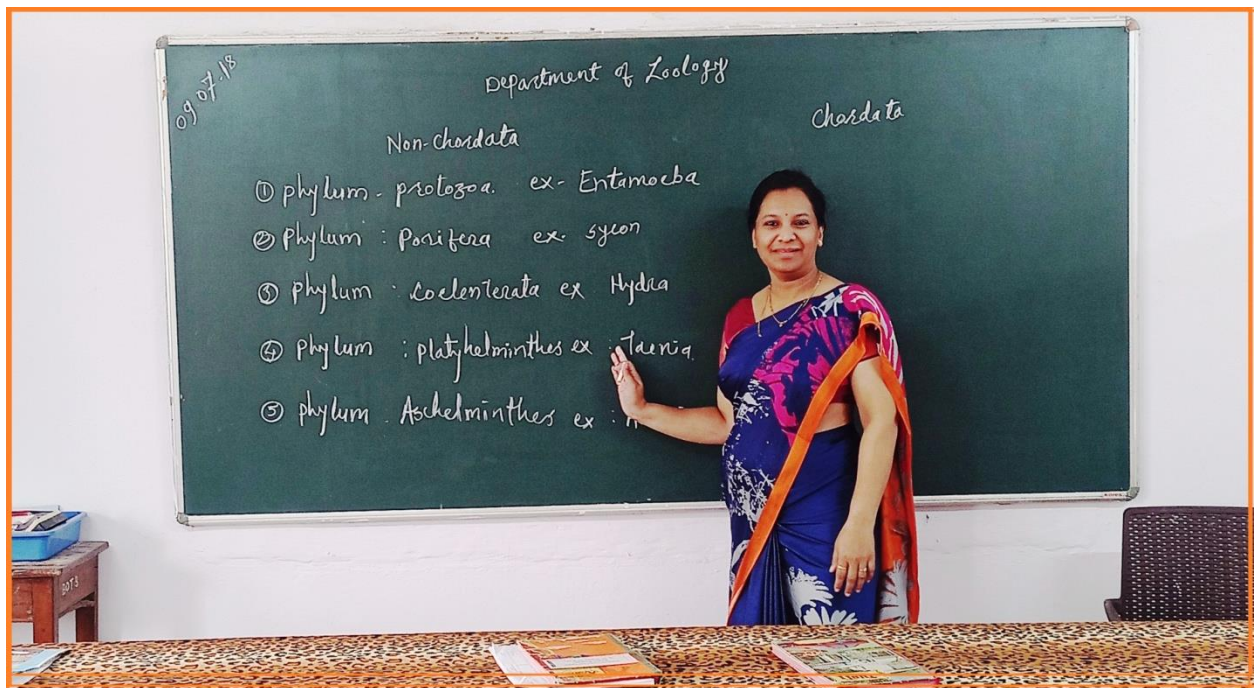
It is hereby informed to BSc-I, Sem-I (Zoology) students that the Department of Zoology is conducting Bridge Course from 09/07/2018 to 14/07/2018. It is compulsory to all students to attend the classes and it will be conducted as per Time-Table Schedule.

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Bridge Course-Coordinator
Dr. Mrs. V. M. Hemke
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Shri Shivaji Sci. & Arts College
Chikhli, Dist. Buldana

Dr. M. T. Nikam
HEAD
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Shri Shivaji Sci. and Arts College
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Methodology:

- ✓ Action plan of the bridge course is prepared well in advance by the senior faculty and get it approved by respective HOD.
- ✓ Power point presentation, chalk and talk methods have been adopted for the theory subjects.
- ✓ Hands on training and interactive sessions are conducted for laboratory sessions.



Attendance: All the students had satisfactory attendance i.e. more than 75%.

Assessment:

All students were informed for assessment by prior notice. For assessment a question paper of 20 marks was given. Twenty Multiple Choice Questions were given and student should tick the correct answer. The entire student solved paper successfully and all were passed. The day and time of examination was informed to students through notice.

Notice of assessment for students:



Shri Shivaji Education Society Amravati's
Shri Shivaji Science And Arts College, Chikhli
Department of Zoology

Bridge Course

Notice

All the Zoology students of BSc-I, Sem-I are hereby informed, to attend the examination of Bridge Course to be held on 14/07/2018.

Time: 1:40-2:30 pm

Venue: Seminar Hall

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Paper of Assessment (Sample):



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Department of Zoology

Examination
Bridge Course 2018-19

18
20

Time: 30 Min.

Marks :20

Note: 1. All questions are compulsory.

Date: 14/07/2018

2. Tick the correct answer

Name of student: Rutuja T. Deokar

1. In Zoology the word Zoo means _____
01 a. Plants Animals c. Bacteria d. Fishes
2. Which class has the largest number of animals?
01 a. Fishes b. Reptiles Insects d. Mammals
3. The biggest phylum in regard to the number of species is _____
01 Arthropoda b. Platyhelminthes c. Chordate d. Protozoa
4. Insects are _____
01 Hexapoda b. Decapoda c. Octapoda d. All of these
5. Seastar is in Phylum: _____
01 a. Protozoa b. Porifera c. Mollusca Echinodermata
6. Petromyzon belongs to _____
01 Agnatha b. Gnathostomata c. Protochordata d. Euchordata
7. Most reptiles are _____
01 a. ammonotelic b ureotelic c ureotelic over land uricotelic
8. What are some snakes very dangerous for?

01 a. Eyes b. Venom c. Teeth d. Tail

9. Ornithology is the _____

01 a. Study of bones b. Study of birds c. Study of smells d. None of the above

10. The soundbox of birds is also known as

01 a. synsacrum b. pygostyle c. syrinx d. larynx

11. Ostrich, penguin and kiwi are _____

Zero a. Four-toed birds b. Migratory birds c. Running birds d. Flightless birds

12. Dinosaur is included in Class : _____

Zero a. Reptilia b. Amphibia c. Aves d. Mammals

13. The number of chromosomes in human body is _____

01 a. 48 b. 42 c. 44 d. 46

14. Antigens are typically found in

01 a. plasma b. cell surface c. nuclear membrane d. none of the above

15. The bone is a natural reservoir for _____

01 a. Fluorine b. Water c. Calcium d. Iron

16. Antibodies are chemically _____

01 a. Fats b. foreign pathogens c. Actin d. Proteins

17. Nuclear DNA replicates in the _____ phase.

01 a. G2 phase b. M phase c. S phase d. None of the above

18. Is it permissible to have any drink or food in the laboratory?

01 a. Yes b. Never! There is no eating, no drinking, and no smoking permitted in the labs.
c. Water only d. Food only

19. When diluting an acid with water, always remember to _____

01 a. Pour water into acid b. Pour acid into water
c. Add both at the same time d. None of these

20. Where in the laboratory should waste chemicals be disposed of properly?

01 a. Garbage b. Sink c. Satellite Accumulation Area (SAA) d. Anywhere

Attendance, Time-Table, Study Materials and Sample Question Paper are display on website.

Outcome:

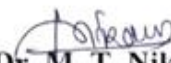
After the completion of the Bridge Course in Zoology,

- ✓ There was a significant progress in the Taxonomical skills of the students.
- ✓ Students know about different disciplines studied with Zoology i.e. Cytology, Genetics, Evolution, Physiology, etc.
- ✓ Students get knowledge about lab safety.
- ✓ Students get confidence and interest to learn Zoology

As per the results of the Assessment conducted for Zoology subject at the end of bridge course, it is evident that most of the students who attended the bridge course classes have gained the knowledge and skills of basic concepts of Zoology. An on average of 75% of marks scored by students.



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Thank You