

Burdwan Raj College
Department of Zoology
Internal Assessment: Home Assignment

(To be Submitted to designated email id mentioned below by November-17, 2020)

Semester: IV

Subject: Zoology (*Hons*)

Paper: CC 8

Send your assignments to (email id): syam.nccs@gmail.com

Full Marks: 10

Candidates are required to answer the questions in their own words as far as practicable.

Answer any five questions of the following.

5 X 2 = 10

1. *What is polydactyly?*
 2. *Explain the 'tripartite concept of kidney organization'.*
 3. *What do you mean by 'double circulation'? Why double circulation is important?*
 4. *Define hyoid apparatus.*
 5. *What is baleen? What is its significance?*
 6. *What are the differences between physostomous and physoclistous swim bladder?*
 7. *Compare between homodont and heterodont dentitions.*
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Procedure of Appearing in the Internal Examination:

1. Download the question paper from the "online examination" section of the College portal: www.burdwanrajcollege.ac.in
2. Write your assignment on blank white A4 size papers.
3. The assignment must carry the following details of the student:
 - a. Name of the Student
 - b. University Roll Number
 - c. University Registration Number
 - d. Name of the Paper
 - e. Mobile Number of the Student
4. Examinees will have to submit their own hand-written answer scripts electronically to the mail id specified by the College in a single pdf file.
5. On the subject-line of the mail write your Name and University Roll No.

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Semester: IV

Subject: Zoology (*Hons*)

Paper: CC 9

Send your assignments to (email id): syam.nccs@gmail.com

Full Marks: 10

5 x 2 = 10

Candidates are required to answer the questions in their own words as far as practicable.

Answer any five questions of the following.

1. How do you get rid of carbon monoxide poisoning?
 2. State the principle behind 'ABO blood group' system.
 3. Mention the function of 'blubber'.
 4. Differentiate between dyspnea and polypnea.
 5. Express the Henderson-Hasselbalch equation. What is the significance of this equation?
 6. Draw the oxygen dissociation curve of hemoglobin. How does the curve differ from that of myoglobin?
 7. What is 'counter current multiplier' in the context of urine-concentrating mechanism in mammals?
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(To be Submitted to designated email id mentioned below by November-17, 2020)

Semester: IV

Subject: Zoology (*Hons*)

Paper: CC 10

Send your assignments to (email id): syam.nccs@gmail.com

Full Marks: 10

5 x 2 = 10

Candidates are required to answer the questions in their own words as far as practicable.

Answer any five questions of the following.

1. Write down the contribution of Dr. Edward Jenner in the field of immunology.
2. Differentiate between primary immune response and secondary immune response.
3. Name two primary lymphoid organs and mention their significance in the immune system.
4. Compare between immunogenicity and antigenicity.
5. What are the differences between B-cell epitopes and T-cell epitopes?
6. What are Bence-Jones proteins? Mention its significance.
7. Define ELISA. What are the uses of ELISA in experimental immunology?

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