4. Write short notes on: 5,5

(a) Salient feature of Double Helical Structure of DNA.

(b) Contribution of Aristotle

5. Explain the historical account of Genome analysis. 10

6. Write notes on: 5,5

(a) Species concept

(b) Chemotaxonomy

7. What do you understand by Experimentation and Variable in relation to biological methods. 10

8. Explain the important characteristics of Arthropoda and classify the Arthropoda upto class level. 10

9. Write shorts notes on: 5,5

(a) Molecular Systematics

(b) Numerical Taxonomy

10. Describe the important keys for the identification of plants? 10

4. Write short notes on any **two** of the following: 5+5

(i) Electronmicroscope

(ii) Darwin's theory of evolution

(iii) Contributions of Louis Pasteur.

5. Write an account of modern trends in plant taxonomy. 10

6. Give the classification and characteristics of Arthropoda. 10

7. Give the classification and characteristics of Mollusca, giving suitable examples. 10

8. Give details, how keys are used in classification of plants or animals. 10

9. Write short notes on any **two** of the followings: 5+5

(i) Numerical taxonomy.

(ii) Bionomial nomenclature.

(iii) Variables.

10. Give contribution of Linnaeus in biological sciences. 10

D (Printed Pages 3)

(20524) Roll No. .....

B.Sc.(Micro.) -I year.

3492

B.Sc. (Micro.) Examination, May-2024

BIOLOGY-I

(B-109)

B.Sc. (Micro)

Time : 3:00 Hours] *[Maximum Marks : 50*

Note : Attempt any **five** questions. **All** questions carries equal marks.

1. Differentiate between Transmission Electron Microscope and scanning Electron Microscope. 10
2. What is classification? How organisms are classified and give the salient features of five kingdom classification. 10
3. Write the important characteristics of Mollusca and illustrate with example. 10

P.T.O.

N (Printed Pages 3)

(20517) Roll No. 16977968 14

B.Sc. (Micro.)-I Year

3492

B.Sc. (Micro.) Examination, May 2017

BIOLOGY - I

(B-109)

Time : Three Hours] *[Maximum Marks : 50*

Note : Attempt any **five** questions. Each question carries 10 marks.

1. Give the structure of DNA as proposed by Watson and Crick, and give the difference in structure of DNA and RNA. 10
2. Describe the developments in field of genome analysis over the period of time. 10
3. What is Null Hypothesis, how it is postulated and used in statistical experiments. 10

P.T.O.

4. Write notes on the following :

(a) Canal system in porifera

(b) Impact of microscopy

5. Write notes on the following :

(a) Hypothesis and prediction

(b) Serendipity

6. Write an essay on Modern trends in taxonomy.

7. Describe the model of DNA as proposed by Watson and Crick with the help of suitable diagram.

8. Describe the concepts and applications of biosystematics.

9. Write the important character of platyhelmenthes with examples and diagrams. Write its classification also.

10. Write notes on the following :

(a) Aristotle

(b) Biodiversity

3. Write notes on:

(a) Chemotaxonomy

(b) Numerical taxonomy

4. Give salient features of DNA model proposed by Watson and Crick.

5. What do you mean by Prediction and Hypothesis? Explain its importance.

6. Explain the use of keys in the identification of plants.

7. Write notes on:

(a) Phase Contrast Microscopy

(b) Annelida

8. Write notes on:

(a) Louis Pasteur

(b) Binomial Nomenclature

9. Write notes on :

(a) Aristotle

(b) Molecular systematics

10. Write an essay on species concept.

(20519) Roll No. R-180979 131031

Total Questions : **10**] [Printed Pages : **2**

3492

B.Sc. (Micro.) Ist Year Examination,
May-2019

BIOLOGY-I

(B-109)

[B.Sc. (Micro.)]

Time : 3 Hrs.] *[M.M. : 50*

Note :– Attempt any *five* questions. All questions carry equal marks.

1. Write an essay on the use of key in the identification of aminals.
2. What do you mean by binomial nomenclature ? Describe the contributation of *Linnaeus.*
3. Write the characters of Arthropoda and give its classification with examples.

A (Printed Pages 3)

(20622) Roll No. .....

B.Sc.(Micro)-I Year

3492

B.Sc. (Micro.) Examination, June-2022

BIOLOGY-I

(B-109)

B.Sc. (Micro.)

Time : Three Hours] *[Maximum Marks : 50*

Note : Attempt any **five** questions. Each question carries 10 marks.

1. Who was Linnaeus? Write a detailed account of his contributions.
2. Give an account of important characters of porifera and illustrate with example.

P.T.O.