

**Directorate of Distance Education
Swami Vivekanand Subharti University
I Year**

BACHELOR OF SCIENCE

(ZBC)

B.SC(ZBC)/ASSIGN/ IV/SEM/C-2020

Assignments

(For DECEMBER Calendar Batch-2020)

B.SC(ZBC)-1, B.SC(ZBC)-2, B.SC(ZBC)-3,

B.SC(ZBC)-4,



**DIRECTORATE OF DISTANCE EDUCATION
SWAMI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi-Haridwar-Meerut

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Detail of Program

Course Code	Name of Subject	Page No.
B.SC(ZBC)-1	Coordination Chemistry, States of Matter & Chemical Kinetics	3
B.SC(ZBC)-2	Plant Physiology and Metabolism	4
B.SC(ZBC)-3	Physiology and Biochemistry	5
B.SC(ZBC)-4	Fuel Chemistry, Chemistry of Cosmetics & Perfumes	6

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Course Code : B.SC(ZBC) -1
Course Title : Coordination Chemistry, States of Matter & Chemical Kinetics
Assignment No. : B.SC(ZBC) -1/ C-2020
Maximum Marks : 15
Words : 100 words

Attempt all questions.

All questions carry equal marks.

Q.1 Write the unit of rate constant for a zero order reaction.

Q.2 Define rate of reaction.

Q.3 Define rate constant (K)..

Q.4 Define the following :

- (i) Elementary step in a reaction
- (ii) Rate of a reaction (All India 2009)

Q.5 Distinguish between 'rate expression' and 'rate constant' of a reaction.

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Course Code : B.SC(ZBC) -2
Course Title : Plant Physiology and Metabolism
Assignment No. : B.SC(ZBC) -2/ C-2020
Maximum Marks : 15
Words : 200 words

Attempt all questions.

All questions carry equal marks.

- Q.1 How will you define diffusion?
Q.2 Explain the phenomenon of osmosis.
Q.3 Differentiate between the terms hypotonic and hypertonic.
Q.4 What do you understand by semipermeable membrane?
Q.5 Explain the term osmotic pressure.

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Course Code : B.SC(ZBC) -3
Course Title : Physiology and Biochemistry
Assignment No. : B.SC(ZBC) -3/ C-2020
Maximum Marks : 15
Words : 200 words

Attempt all questions.

All questions carry equal marks.

Q.1 Describe some of the differences between DNA and RNA.

Q.2 Explain what the function of steroids is in the body and give 2 or 3 examples.

Q.3 Which are common functions of prostaglandins in the human body?

Q.4 Write a short note on Biochemistry.

Q.5 What are the functions of proteins in the body?

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Course Code : B.SC(ZBC) -4
Course Title : Fuel Chemistry, Chemistry of Cosmetics & Perfumes
Assignment No. : B.SC(ZBC) -4/ C-2020
Maximum Marks : 15
Words : 200 words

Attempt all questions.

All questions carry equal marks.

Q.1 How fuels are classified. Give one example for each.

Q.2 Define calorific value.

Q.3 Explain ultimate analysis.

Q.4 Explain higher & lower calorific value.

Q.5 Explain proximate analysis.

