Directorate of Distance Education
Swami Vivekanand Subharti University
I Year

BACHELOR OF SCIENCE

(PCM)

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

Assignments

(For DECAMBER Calendar Batch-2020

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

B.SC(PCM)-4,

DIRECTORATE OF DISTANCE EDUCATION

SWAMI VIVEKANAND SUBHARTI UNIVERSITY

Subhartipuram, NH-58, Delhi-Haridwar-Meerut

By-Pass Road, Meerut– 250 005

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Detail of Program

Directorate of Distance Education
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I Year

Course Code : B.SC(PCM) -1

Course Title : Circuit Fundamentals and Basic Electronics

Assignment No. : B.SC(PCM) -1/ C-2020

Maximum Marks : 15

Words : 100 words

Attempt all questions.

All questions carry equal marks.

Q.1 **Define Power and Energy?**

Q.2 **What is electric circuit or electric network?**

Q.3 **Define Independent source.**

Q.4 **Define ideal voltage source**

Q.5 **Define time variant voltage source.**

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Course Code	:	B.SC(PCM) -2
Course Title	:	Coordination Chemistry, States of Matter & Chemical Kinetics
Assignment No.	:	B.SC(PCM) -2/ C-2020
Maximum Marks	:	15
Words	:	200 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(PCM) -3
Course Title	:	Real Analysis
Assignment No.	:	B.SC(PCM) -3/ C-2020
Maximum Marks	:	15
Words	:	200 words

Attempt all questions.

All questions carry equal marks.

Q.1 Describe the Taylor's theorem.

Q.2 Write a short note on Riemann's theorem.

Q.3 Define the Linear Transformations.

Q.4 Describe the Function of bounded variation.

Q.5 Write a short note on Jensen's inequalities.

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Course Code	:	B.SC(PCM) -4
Course Title	:	Fuel Chemistry,Chemistry of Cosmetics & Perfumes
Assignment No.	:	B.SC(PCM) -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.