

Directorate of Distance Education
Swami Vivekanand Subharti University
II Year

BACHELOR OF ARTS

B.A(Mathematics)

B.A(Math)/ASSIGN/ IV/SEM/C-2020

Assignments

(For December Calendar Batch-2020)

B.A(Math)-401, B.A(Math)-402,



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

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Detail of Program

Course Code	Name of the subject	Page No
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Course Code : BA
Course Title : **Analysis I**
Assignment No. : BA-Math-1/C-2020
Maximum Marks : 15
Words : 100 words

Attempt all questions.

All questions carry equal marks.

Q.1. What do you mean by Bounded above and bounded below set?

Q.2. Write a short note on Archimedean property.

Q.3. What do you mean by Bounded above and bounded below set?

Q.4. Discuss the Monotone convergence theorem.

Q.5. Prove that there exists a real continuous function on the real line.

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Course Code : BA
Course Title : **Analysis II**
Assignment No. : BA-Math-2/ C-2020

Maximum Marks : 15
Words : 100 words

Attempt all questions.

All questions carry equal marks.

Q.1. State and prove (any one) Mean Value theorems of integral calculus?

Q.2. Describe the Integrability of continuous.

Q.3. Describe the Equivalent metrics.

Q.4. Explain Comparison test with example.

Q.5. What are the main Fundamental theorems of integral calculus, explain one of them with example.