

Andhra Christian College::Guntur

Department of Mathematics

Guest Lecture Report

Topic: Introduction to Sequences

Organized by: Department of Mathematics, A. C. College, Guntur

Date: 04-08-2021

Time: 3:00 p.m.

Resource Person: Mr. R. Swamy, Lecturer in Mathematics, T. J. P. S. College, Guntur

On the 4th of August 2021, the Department of Mathematics, A. C. College, Guntur, organized a guest lecture on the topic "Introduction to Sequences." The event took place at 3:00 p.m. in the Mathematics Department.

Resource Person

The guest speaker for the lecture was Mr. R. Swamy, a distinguished Lecturer in Mathematics from T. J. P. S. College, Guntur. Mr. Swamy is renowned for his expertise in mathematical concepts and his ability to simplify complex topics for better understanding.

Lecture Content

Mr. R. Swamy began the lecture with an introduction to sequences, emphasizing their significance in Mathematics and their applications in various fields. The following key points were covered during the session:

1. **Definition and Types of Sequences:** An introduction to sequences, including arithmetic sequences, geometric sequences, and harmonic sequences. Mr. Swamy provided clear definitions and illustrated each type with examples.

2. **General Form of Sequences:** The lecture included a detailed explanation of the general form of sequences and how to derive the n th term of a sequence. This section was particularly useful for students to understand the foundational concepts.
3. **Convergence and Divergence:** Mr. Swamy elaborated on the concepts of convergent and divergent sequences, explaining the criteria for convergence and providing examples to highlight the differences between the two.
4. **Applications of Sequences:** The practical applications of sequences in various fields such as Physics, Computer Science, and Economics were discussed. This section helped the audience appreciate the relevance of sequences in real-world scenarios.
5. **Problem-Solving Session:** Towards the end of the lecture, Mr. Swamy engaged the audience with a problem-solving session. He presented several problems related to sequences and guided the students through the process of solving them.

Interaction and Feedback

The lecture was highly interactive, with students actively participating and asking questions. Mr. Swamy's approachable demeanour and clear explanations were well-received by the students. The faculty members also contributed to the discussion, adding depth to the session with their insights.

Conclusion

Dr. B. Vijaya Kumar concluded the session by thanking Mr. R. Swamy for his enlightening lecture. The students and faculty members expressed their gratitude for the valuable knowledge shared during the session.

Overall, the guest lecture on "Introduction to Sequences" was a resounding success, leaving the students with a deeper understanding of the topic and its applications. The Department of Mathematics at A. C. College, Guntur, looks forward to organizing more such insightful sessions in the future.



**Mr. R. Swamy delivering his guest lecture on the topic
"Introduction to Sequences"**

List of Students

S. No.	Name of the Student	Class & Group	Roll No.	Signature
1	M.RaviTeja	II B. Sc., MPC	603	M. Ravi Teja
2	Sk.Shahina Begum	II B. Sc., MPC	604	Sk. Shahina Begum.
3	S.Rani	II B. Sc., MPC	605	S. Rani
4	A.Ravi Teja	II B. Sc., MPC	606	A. Ravi Teja.
5	M.Keethi	II B. Sc., MPC	609	M. Keerthi
6	D.Yesu Babu	II B. Sc., MPC	610	D. Yesu Babu
7	E.Srikanth	II B. Sc., MPC	611	E. Srikanth
8	J.Haveela	II B. Sc., MPC	612	J. Haveela
9	P.Madhavi	II B. Sc., MPC	613	p. madhav?
10	K.Sailaja	II B. Sc., MPC	614	K. Sailaja.
11	T.Venkata Rao	II B. Sc., MPCComp.	1402	T. Venkata Rao
12	A.Gopi Chand	II B. Sc., MPCComp.	1403	A. Gopi Chand
13	D.Tagore	II B. Sc., MPCComp.	1404	D. Tagore.
14	B.Sandhya Rani	II B. Sc., MPCComp.	1405	B. Sandhya Rani
15	R.Pavan Kumar	II B. Sc., MPCComp.	1406	R. paven kumar
16	B.Prabhakar Rao	II B. Sc., MPCComp.	1407	B. Prabhakar Rao
17	Sk.Shabana Parveen	II B. Sc., MPCComp.	1408	Sk. Shabana Parveen.
18	M.Prabhu Kiran	II B. Sc., MPCComp.	1409	M. Prabhu Kiran
19	Rafi Baig	II B. Sc., MPCComp.	1410	Rafi Baig.
20	B.Priyanka	II B. Sc., MPCComp.	1411	B. Priyanka
21	K.Padmavathi	II B. Sc., MPCComp.	1412	K. Padmavathi.

Andhra Christian College, Guntur

(Day, Evening & P.G.)

NOTICE

Date: 03-08-2021

All **B. Sc.**, Mathematics students are hereby informed to attend a Guest Lecture in the department of Mathematics on the topic "Introduction to Sequences" to be conducted on 04-08-2021 at 3.00 p.m.. Mr. R. Swamy, Lecturer in Mathematics, T. J . P. S. College, Guntur will be the Resource Person for this guest lecture.

B. Kumar

03-08-2021

Head

Department of Mathematics
Dr. B. VIJAYA KUMAR
HEAD
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Andhra Christian College, GUNTUR

W. S. in
Principal

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