

Welcome to Mathematics Department



**Academic Year 2021-
22**

Student Seminar

**MATHEMATICS Department
conducted Student Seminar on
the dates**

02-06-2022 and 09-06-2022

Conducted by:

**J. Usha Sri, Lecturer in Mathematics,
Government Degree College, Bellampally.**

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Student Seminar - 9

Date:- 02/04/22

Name of the Student :- A. Saisujan

Group :- Mpre - 2nd year

Name of the Incharge :- J. Ushasi

Topic of the Seminar :- Continuity

Number of students present :- 09

Method of Presentation :- Lecture Method

Summary of class :- Explained about the continuous function.

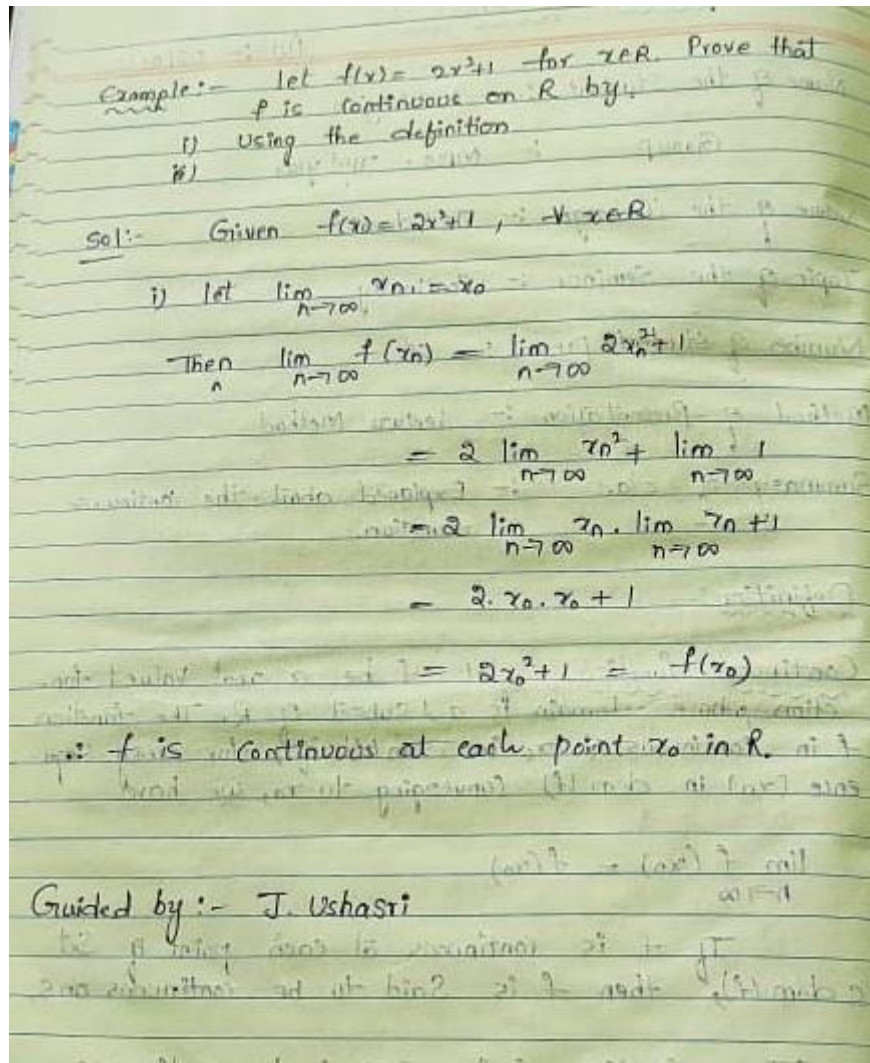
Definition:-

Continuous function:- Let f be a real valued function whose domain is a subset of \mathbb{R} . The function f is continuous at x_0 in $\text{dom}(f)$ if, for every sequence (x_n) in $\text{dom}(f)$ converging to x_0 , we have

$$\lim_{n \rightarrow \infty} f(x_n) = f(x_0)$$

If f is continuous at each point of set $S \subset \text{dom}(f)$, then f is said to be continuous on S .

The function f is said to be continuous if it is continuous on $\text{dom}(f)$.





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Students attended :- 09

Hall Ticket No.	Student Name	Group	Signature
054224001	K. Ashwin	M.P.C.S	K. Ashwin
054224104	G. Ramchandra	M.P.C	G. Ramchandra
054224202	CH. Prashanth	M.P.C.S	CH. Prashanth
054224204	G. Teja	M.P.C.S	G. Teja
054224205	G. Kalyan	M.P.C.S	G. Kalyan
054224206	T. Venkatesh	M.P.G	T. Venkatesh
054224211	M. Varun	M.P.G	M. Varun
054224212	N. SriLatha	M.P.G	N. SriLatha
054224214	S. Saiy	M.P.C	S. Saiy

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Sign of Incharge

K. H. H. H.
Sign of Principal

Name of the student :- ch. Rama

Group :- MPC - IIIrd year

Name of the Incharge :- J. Ushasi

Topic of the Seminar :- Orthogonal Set

Number of students present :- 08

Method of presentation :- Lecture method

Summary of class :- Explained about the Orthogonal set and example.

Definition:- Orthogonal Set

Orthogonal Set :- A set of vectors $\{\vec{u}_1, \vec{u}_2, \dots, \vec{u}_p\}$ in R^n is said to be orthogonal if

$$\vec{u}_i \cdot \vec{u}_j = 0, \quad i \neq j$$

Example:-

Consider the vectors $\left\{ \begin{pmatrix} 1 \\ -2 \\ 1 \end{pmatrix}, \begin{pmatrix} 0 \\ 1 \\ 2 \end{pmatrix}, \begin{pmatrix} -5 \\ -2 \\ 1 \end{pmatrix} \right\}$

$$\text{Hence } \bar{u}_1 \cdot \bar{u}_2 = \bar{u}_1^T \cdot \bar{u}_2 = (1 \ -2 \ 1) \begin{pmatrix} 0 \\ 1 \\ 2 \end{pmatrix} \\ = 0 - 2 + 2 = 0$$

$$\bar{u}_2 \cdot \bar{u}_3 = \bar{u}_2^T \cdot \bar{u}_3 = (0 \ 1 \ 2) \begin{pmatrix} -5 \\ -3 \\ 1 \end{pmatrix} \\ = 0 - 3 + 2 = 0$$

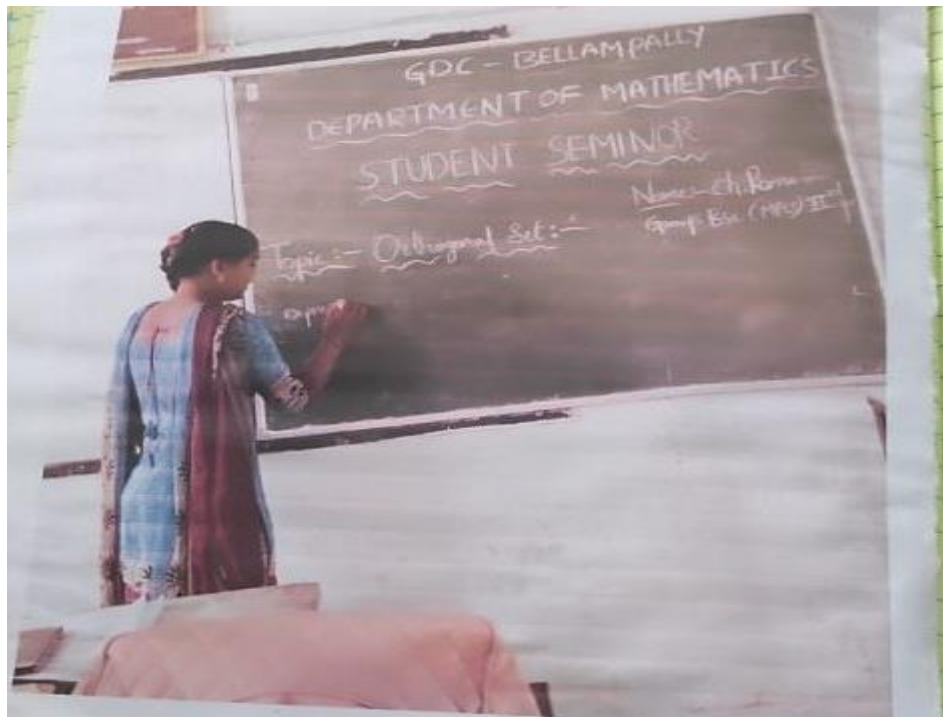
$$\bar{u}_3 \cdot \bar{u}_1 = (-5 \ -2 \ 1) \begin{pmatrix} 1 \\ -2 \\ 1 \end{pmatrix}$$

$$= -5 + 4 + 1 = 0$$

\therefore Given set (or) Consider set is an orthogonal set.

Guided by : J. Ushasri

$$\left[\begin{pmatrix} 1 \\ -2 \\ 1 \end{pmatrix} \begin{pmatrix} 0 \\ 1 \\ 2 \end{pmatrix} \begin{pmatrix} -5 \\ -3 \\ 1 \end{pmatrix} \right]$$



Students attended :- 08

Hall Ticket No.	Student Name	Group	Signature
B. Ad			
054-21-4102	B. Adithya	MPCS	Adithya
054-21-4104	Ch. Devi	MPCS	Devi
054-21-4108	G. Dilip	MPCS	Dilip
054-21-4119	V. Anitha	MPCS	Anitha
054-21-4123	J. Bheem Rao	MPCS	Bheem Rao
054-21-4129	T. Ramadevi	MPCS	Ramadevi
054-21-4115	P. Keerthivasuha	MPCS	Keerthi
054-21-4125	Ch. Rama	MPCS	Rama

Sign of Incharge Sign of Principal

Welcome to Mathematics Department



Academic Year 2021-22

Quiz Competition

**MATHEMATICS Department
conducted Quiz competition on the
date 01-06-2022.**

Quiz Competition - 2022

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Date: - 01/06/22

The Teachers of "Mathematics" Department have conducted a Quiz Competition among good number of Students, on the Topic of "Types of Mathematics."

To enhance the participatory learning to increase the competitive skills, subject knowledge and critical-thinking among the students and answer the questions very quickly in the limited time.

The quiz was conducted among teams namely Team A, Team B and Team C

They were four rounds in the competition covering various aspects - fastest calculation, Identifying Mathematicians (photos) and a bazaar round.

Team B was declared as the winner of the Competition

The participation & response from the student during the competition was encouraging.

Name of the Activity :- Quiz Competition

Topic of the quiz :- Types of Mathematics

Number of students involved :- 12

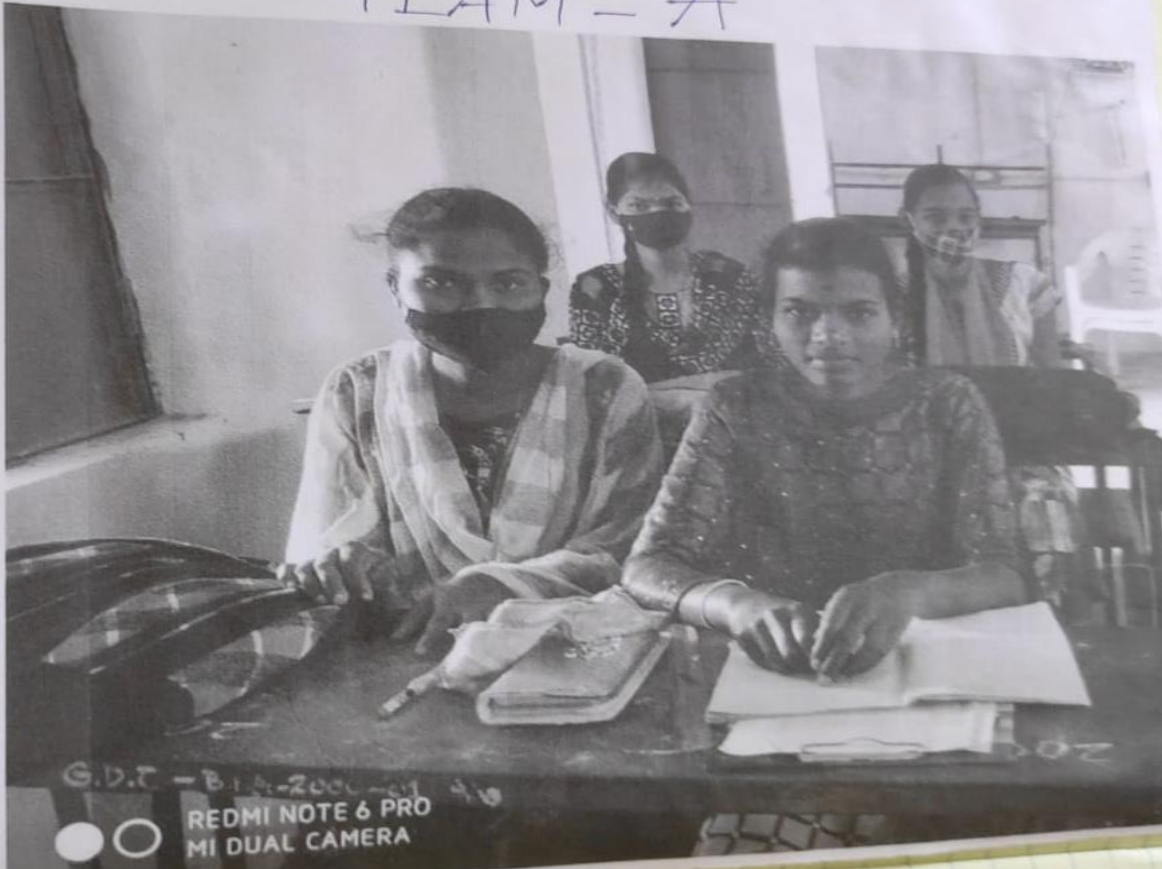
Number of Teacher's involved :- 1

Objectives of the quiz :- To improve the competitive spirit in the students and Improve the Subject Knowledge.

Participants :-

Sl No	Team-A	Team-B	Team-C
1)	G. Shirisha	K. Ashwini	Ch. Devi
2)	D. Sravani	G. Teja	g. Anitha
3)	T. Rithika	J. Venkatesh	T. Ramadevi
4)	P. Mamatha	A. Sastryan	Ch. Rama

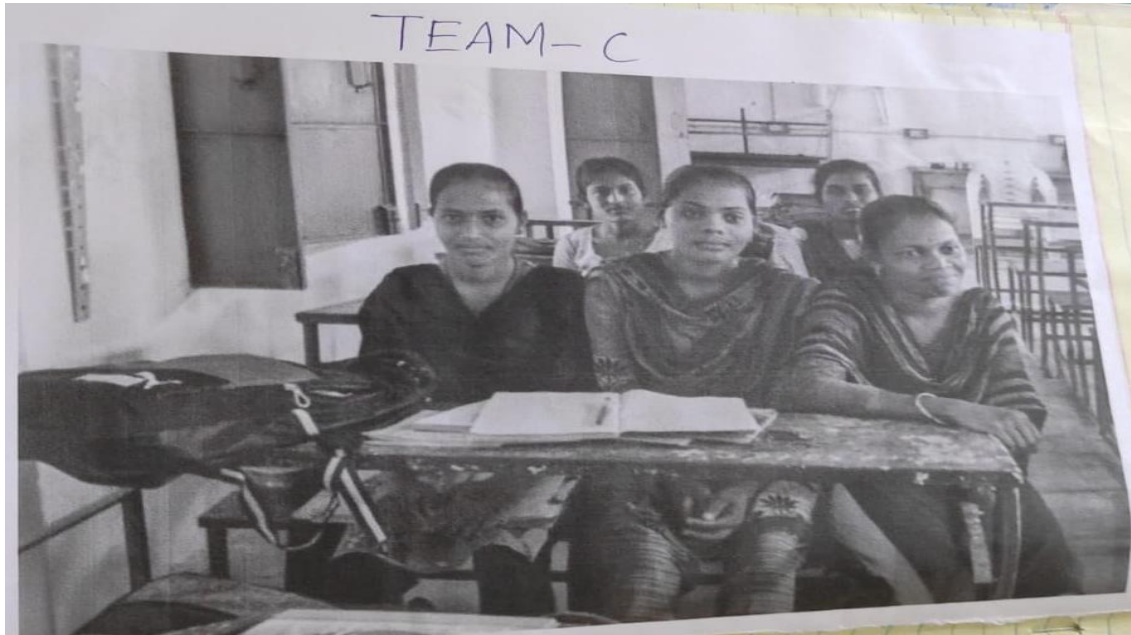
TEAM - A



G.D.T - B.A.-2000-21 98
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TEAM - B





Winners	Runners
Team - B	Team - C
K. Ashwini	Ch. Devi
Gr. Teja	V. Anitha
J. Venkatesh	T. Ramadevi
A. Saisryjan	Ch. Rama

The participation and Response from the students during the competition was interesting and encouraging.

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Signature of the Incharge
KHMP
Signature of Principal

Group Discussion

Date:- 02/06/22

The Teacher of Mathematics Department of have conducted with good number of students Group-Discussion in various Topics such as "General Mathematics"

Group Discussion helps students develop a deeper understanding of the Mathematics they have already studied by seeing how it was developed over-time and in the various places.

Mathematics helps in analytical thinking. While solving maths problems, data are collected disassembled and then inter connected to solve them. Mathematics helps to develop the ability to think. It helps explain how things work.

Mathematics plays a vital role in all aspects of life whether in everyday matters such as time tracking, driving or jobs such as accounting, financing engineering and software. It helps to develop wisdom.

Having group Discussion in the classroom is not only beneficial for students social skills, but also their educational development and learning too.

Improve communication skills and also used to encourage students to become more confident in speaking up and asking questions.





Students were participated in good number and expressed their experiences and appreciated each other.

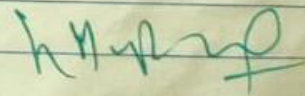
The overall experience of the Teachers and Students was satisfactory his practical experiences.

Number of students attended :- 10

- | | |
|------------------------------------|---------------|
| 1) J. Bheem Rao | - Bhandar |
| 2) G. Dilip | - Dilip |
| 3) D. Chandrashekar, D. Rajashekar | - Rajashekar |
| 4) B. Adithya | - Adithya |
| 5) ch. Devi | - Devi |
| 6) ch. Rama | - Rama |
| 7) K. Ashwini | - K. Ashwini |
| 8) B. Anitha | - Anitha |
| 9) T. Ramadevi | - Ramadevi |
| 10) N. Srilatha | - N. Srilatha |

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Sign of Incharge



Sign of principal

GOVERNMENT DEGREE COLLEGE

BELLAMPALLY Dist: MANCHERIAL

DEPARTMENT OF MATHEMATICS



BSC 3th SEMISTER STUDENT AS A TEACHER -2021-22

Sl.No	Academic Year	Name of the Department	Name of the Student	Date	Topic Name
1	2021-22	Department of Mathematics	J.Priyanka	24-05-2022	Limit of Sequence

STUDENT AS A TEACHER 2021-2022

TOPIC : Limit of Sequence

Delivered by : J.Priyanka

Group : MPCs

Year : 2nd year

Date : 24-05-2022



Student As a teacher delivered By J.Priyanka

Number of students attended :- 10

1) J. Bheem Rao

- Bhandar

2) G. Dilip

- Dilip

3) D. Chandrashekar, D. Rajashekar

- Rajashekar

4) B. Adithya

- Adithya

5) ch. Deri

- Deri

6) ch. Rama

- Rama

7) k. Ashwini

k. Ashwini

8) B. Anitha

- Anitha

9) T. Ramadevi

- Ramadevi

10) N. Srilatha

n. Srilatha

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Sign of Incharge

Sign of principal