



**GOVERNMENT DEGREE COLLEGE**  
**URAVAKONDA - 515 812**

(Accredited by NAAC with B Grade)  
Affiliated to S K. University, Ananthapuramu

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**DEPARTMENT OF MATHEMATICS**

**NATIONAL MATHEMATICS DAY**

**ON**

**22-12-2021**

**SRI SRINIVASA RAMANUJAN BIRTH ANNIVERSARY**



# GOVERNMENT DEGREE COLLEGE URAVAKONDA - 515 812

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## DEPARTMENT MINUTES

A meeting was conducted among the members of the mathematics department on 10-12-2021 at 2.30 p.m.

The following matters were discussed and resolved.

1. To conduct national mathematics day on 22/12/2021.
2. To invite the guest for the mathematics day.
3. To conduct quiz, essay writing, and elocution competition on the eve of national mathematics day.
4. To distribute II, IV and VI semesters syllabus to the staff members.

  
In charge of the Department  
DEPT. OF MATHEMATICS  
GOVT. DEGREE COLLEGE  
URAVAKONDA - 515812  
ANANTAPURAMU (DIST)

### Staff Member's:

1. B. Siva Prasad



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## PERMISSION LETTER

Uravakonda,  
18 /12/2021.

To,  
The principal,  
Government Degree College,  
Uravakonda.


Respected sir,

Sub: Department of Mathematics – Celebration of National Mathematics Day –  
Permission – Request – Regd.

The Department of Mathematics wishes to celebrate National Mathematics Day on 22/12/2021 commemorating the birth anniversary of Sri Srinivasa Ramanujan, a legendary mathematician of our country. In this regard, permission maybe accorded.

Thanking you sir,

Yours faithfully,

  
In charge of the Department  
**DEPT. OF MATHEMATICS**  
**GOVT. DEGREE COLLEGE**  
**URAVAKONDA - 515812**  
**ANANTAPURAMU (DIST)**



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## CIRCULAR

All the students of I, II, and III B.Sc., MPC, MPCs, MSCs are informed that National Mathematics day will be celebrated on 22<sup>nd</sup> December on the eve of Sri Srinivasa Ramanujan birthday. The department of mathematics is conducting quiz, essay writing, and elocution competitions. Those who are interested to participate, they can enroll their names with B. Siva Prasad, Lecturer in mathematics and the prizes will be distributed on 22<sup>nd</sup> December.

  
In charge of the Department  
DEPT. OF MATHEMATICS  
GOVT. DEGREE COLLEGE  
URAVAKONDA - 515812  
ANANTAPURAMU (DIST)

  
Principal  
GOVT.DEGREE COLLEGE  
URAVAKONDA





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## BRIEF HISTORY OF SRINIVASA RAMANUJAN

Srinivasa Ramanujan, (born December 22, 1887, Erode, India—died April 26, 1920, Kumbakonam), Indian mathematician whose contributions to the theory of numbers include pioneering discoveries of the properties of the partitions function.

When he was 15 years old, he obtained a copy of George Shoobridge Carr's *Synopsis of Elementary Results in Pure and Applied Mathematics*, (1880–86). This collection of thousands of theorems, many presented with only the briefest of proofs and with no material newer than 1860, aroused his genius. Having verified the results in Carr's book, Ramanujan went beyond it, developing his own theorems and ideas. In 1903 he secured a scholarship to the University of Madras but lost it the following year because he neglected all other studies in pursuit of mathematics.

Ramanujan continued his work, without employment and living in the poorest circumstances. After marrying in 1909 he began a search for permanent employment that culminated in an interview with a government official, Ramachandra Rao. Impressed by Ramanujan's mathematical prowess, Rao supported his research for a time, but Ramanujan, unwilling to exist on charity, obtained a clerical post with the Madras Port Trust.

In 1911 Ramanujan published the first of his papers in the *Journal of the Indian Mathematical Society*. His genius slowly gained recognition, and in 1913 he began a correspondence with the British mathematician Godfrey H. Hardy that led to a special scholarship from the University of Madras and a grant from Trinity College, Cambridge. Overcoming his religious objections, Ramanujan traveled to England in 1914, where Hardy tutored him and collaborated with him in some research.

Ramanujan's knowledge of mathematics (most of which he had worked out for himself) was startling. Although he was almost completely unaware of modern developments in mathematics, his mastery of continued fractions was unequaled by any living mathematician. He worked out the Riemann series, the elliptic integrals, hyper geometric series, the functional equations of the zeta function, and his own theory of divergent series, in which he found a value for the sum of such series using a technique he invented that came to be called Ramanujan summation. On the other hand, he knew nothing of doubly periodic functions, the classical theory of quadratic forms, or Cauchy's theorem, and he had only the most nebulous idea of what constitutes a mathematical proof. Though brilliant, many of his theorems on the theory of prime numbers were wrong.

In England Ramanujan made further advances, especially in the partition of numbers (the number of ways that a positive integer can be expressed as the sum of positive integers; e.g., 4 can be expressed as 4,  $3 + 1$ ,  $2 + 2$ ,  $2 + 1 + 1$ , and  $1 + 1 + 1 + 1$ ). His papers were published in English and European journals, and in 1918 he was elected to the Royal Society of London. In 1917 Ramanujan had contracted tuberculosis, but his condition improved sufficiently for him to return to India in 1919. He died the following year, generally unknown to the world at large but recognized by mathematicians as a phenomenal genius, without peer since Leonhard Euler (1707–83) and Carl Jacobi (1804–51). Ramanujan left behind three notebooks and a sheaf of pages (also called the “lost notebook”) containing many unpublished results that mathematicians continued to verify long after his death.



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**LIGHTING OF THE LAMP**



**PRINCIPAL SPEAKING ON THE OCCASION**





**STUDENT SPEAKING ABOUT RAMANUJAN CONTRIBUTION TO MATHEMATICS**



**PRIZE DISTRIBUTION**



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## **A BRIEF REPORT OF NATIONAL MATHEMATICS DAY**

With active participation of students, the Department of Mathematics conducted National Mathematics Day on 22/12/2021 commemorating the birth anniversary of a great mathematician Sri Srinivasa Ramanujan. The vice- principal N.K.Arunajyothi, speaking on the occasion, explained the significant contribution of Ramanujan for the mathematical theorems and paved for mathematical applications in research. B. Siva Prasad, faculty in mathematics, briefly revealed the biography of Ramanujan. Later prizes were distributed to the winners of elocution competition, essay writing Quiz.

### **FEED BACK BY STUDENTS**

I am really happy to become part of national mathematics day and learned more about Ramanujan.

B. RUDRAIAH, II MPCs

Ramanujans life is a source of inspiration to everyone and glad that he brought name and flame to our country.

B. SANTHOSH I MPCs

I feel proud to say that Sri Srinivasa Ramanujan is an Indian and responsible for the evolution of many new theorems in mathematics.

B. Pallavi. III MPC



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## SIGNATURE OF THE STUDENTS

S.No	HALL TICKET No	NAME OF THE STUDENT	SIGNATURE
1.	200141072	S.G. MEGHAMALA	S.G. Meghamala
2.	200141073	B. PALLAVI	B. Pallavi
3.	200141074	B. BHAGYAMMA	ABSENT
4.	200141075	B. LALESH KUMAR	B. Lalesh Kumar
5.	200141077	J. RAJASEKHAR	J. RAJASEKHAR.
6.	200141078	N. LAKSHMI	N. Lakshmi
7.	200141079	K. NAGA PAVANI	K. Naga pavani
8.	200141080	K. MAHESH	K. Mahesh
9.	200141081	M. SREENIVASULU	M. Sreenivasulu
10.	200141082	M. MUNISWAMY	M. Muniswamy
11.	200141083	V. LALUSWAMY	V. Laluswamy
12.	200141084	V. YERRISWAMY	V. Yerriswamy
13.	200141115	P. YERRI SWAMY	P. Yerriswamy
14.	200141116	S. RIZWANA	S. Rizwana
15.	200141117	B. HARITHA	B. HARITHA
16.	200141118	B. MARUTHI	B. MARUTHI
17.	200141119	C.G. REVATHI	C.G. Revathi
18.	200141120	C. NAGAVENI	C. Nagaveni
19.	200141121	D. MARUTHI	D. Maruthi
20.	200141122	D. HARSHIYA	D. Harshiya
21.	200141123	J.G. VASUNDHARA	J.G. Vasundhara
22.	200141124	K. MANJUNATH YADAV	K. Manjunath yadav
23.	200141125	K. RAJESWARI	K. Rajeswari
24.	200141126	M. SUGUNA	M. SUGUNA
25.	200141127	M. MURALIDHAR	M. Muralidhar
26.	200141128	M. SANTHOSH	M. Santhosh
27.	200141129	P. SURENDRA	P. Surendra
28.	200141130	T. MADHAVI	T. Madhavi
29.	200141131	T. VAMSI KRISHNA	ABSENT
30.	200141132	U.G. SAI KUMAR	U.G. Sai Kumar
31.	200141192	K. ARIFA	K. ARIFA
32.	200141193	A. SUJATHA	A. Sujatha
33.	200141194	B. VAMSI	B. Vamsi
34.	200141196	G. NOORMAHAMMAD	G. Noormahammad
35.	200141197	H. NAGESH	H. Nagesh
36.	200141198	J. MAHESH	J. Mahesh
37.	200141199	K. GOUTHAM	K. Goutham
38.	200141200	K. PAVAN KUMAR	ABSENT
39.	200141201	M. ANJANA SWARAJ	M. Anjana Swaraj
40.	200141202	P. DEEPIKA	P. Deepika
41.	200141203	S. FARJANA	S. Farjana
42.	200141204	T. BHARATH	T. Bharath





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## PAPER CLIPPING

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### ప్రభుత్వ డిగ్రీ కళాశాలలో ఘనంగా గణితశాస్త్ర దినోత్సవం

-విద్యార్థులకు వక్రత్వ పోటీల నిర్వహించి ప్రోత్సాహకాల పంపిణీ



శ్రీనివాస రామానుజన్ చిత్రపటంపై నివాళురర్పిస్తున్న అధ్యాపకులు

జరిగింది. కళాశాల వైస్ ఛీఫ్ని పాల్ ఎన్. అరుణజ్యోతి అధ్యక్షతన జరిగిన కార్యక్రమంలో గణితశాస్త్ర మేధావి శ్రీనివాస రామానుజన్ చిత్రపటానికి పూలమాలవేసి నివాళులర్పించిన అనంతరం వక్రలు మాట్లాడారు. 20వ శతాబ్ది నికి చెందిన రామానుజన్ ప్రపంచ ప్రఖ్యాతి గాంచిన గణిత మేధావుల్లో ఒకరని ఆయన 10 సంవత్సరాల వయస్సులోనే గణితశాస్త్రం తో అనుబంధం ఏర్పరచు కున్నారన్నారు. గణితంపట్ల ప్రకృతిసిద్ధమైన ప్రతిభ కనబర్చేవారని తెలిపారు. రామానుజన్ చాలా సున్నితమైన భావాలతో మంచి పద్ధతులు కలిగి వుండేవారని ఆయన కేంబ్రిడ్జిలో ఎన్నో కష్టాలను ఎదుర్కొంటూ క్రమశిక్షణ కలిగిన జీవితాన్ని గడిపారన్నారు. రామానుజన్ అన్ని మతాలను ఒకటిగా నమ్మేవారని ఆయన సాధించిన విజయాలకు గుర్తుగా ఆయన జన్మదినాన్ని రాష్ట్ర సాంకేతిక దినోత్సవంగా ప్రకటించడం జరిగిందని వివరించారు. ఈ సందర్భంగా విద్యార్థులకు రామానుజన్ పై వక్రత్వ పోటీలు నిర్వహించి ప్రోత్సాహకాలు అందజేశారు. ఈ కార్యక్రమంలో గణితశాస్త్ర అధ్యాపకులు బి. శివప్రసాద్, ఐక్యూపీ కో ఆర్డినేటర్ కె.ఎం.రాజేష్, అధ్యాపకులు కె.చంద్రశేఖర్ రెడ్డి, బి.వెంకటరాముడు, భవాని, సుజాత, అల్తాఫ్, హనుమంతరెడ్డి విద్యార్థులు పాల్గొన్నారు.



వక్రత్వ పోటీలో మాట్లాడుతున్న విద్యార్థిని

ఉరవకొండ, డిసెంబర్ 22 ప్రభాతవార్త : వట్టణంలోని స్థానిక ప్రభుత్వ డిగ్రీ కళాశాలలో గణితశాస్త్ర విభాగం ఆధ్వర్యంలో జాతీయ గణితశాస్త్ర దినోత్సవం బుధవారం ఘనంగా

అయిదారు సెంట్రల్ వారం, జయప్రధాన పూర్వ దాపు చిత్రకార్య జీవిత రమ్య నుండి ఉండకనిక సంవ వివర ఆకా

నడిచి బంగారం ఇ. ఇక్కడనే



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# Department of Mathematics

**Essay writing Competition**

**On**

**the occasion of National Mathematic Day**

**Topic: Indian Mathematicians**

**15/12/2021**





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## **DEPARTMENT MINUTES**

A meeting was conducted among the members of the mathematics department on  
14-12-2021 at 4:30 PM.

The following matters were discussed and resolved:

1. To Conduct National Mathematics day
2. To Conduct the quiz and essay writing, elocution on the eve of National Mathematics Day.
3. To Prepare individual time tables.

  
**Dept. of Mathematics**  
**Govt. Degree College**  
**Uravakonda - 515812**

**Members:**  
**B. Siva prasad**



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## Permission Letter


To,  
The Principal,  
Govt Degree College,  
Uravakonda.

Respected Sir,

Sub: The Department of Mathematics -Permission-Conduct of Essay Writing competition - Req-Regd.

The Department of Mathematics will be conducting the Essay writing Programme on “Indian Mathematicians” for the B.Sc, Students on 15<sup>th</sup> December, 2021. In this regard, we request you to kindly give us permission to conduct the above said programme.

Thanking you Sir,

  
**Dept. of Mathematics**  
**Govt. Degree College**  
**Uravakonda - 515812**

  
**PRINCIPAL**  
**GOVT.DEGREE COLLEGE**  
**URAVAKONDA**



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## CIRCULAR

The Department of mathematics was conducting the Essay Writing Competitions on “Indian Mathematicians” for all B.Sc., students on 15/12/2021. All the students should attend the programme without fail.

Venue: Room No. 25.

Timing: 11:00 A.M

  
Dept. of Mathematics  
Govt. Degree College  
Uravakonda - 515812

  
Principal  
GOVT.DEGREE COLLEGE  
URAVAKONDA



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## STUDENT LIST

S.No	NAME OF THE STUDENT	GROUP	SIGNATURE
1	B. PALLAVI	III MPC	B. Pallavi
2	S.G. MEGHAMALA	III MPC	S.G. Meghamala
3	M. SREENIVASULU	III MPC	M. Sreenivasulu
4	K. RAJESWARI	III MPCs	K. Rajeswari
5	A. SUJATHA	III MSCs	A. Sujatha
6	K. SUNITHA	II MPC	K. Sunitha
7	P. LAKSHMI	II MPC	P. Lakshmi
8	B.M. BHARATHI	II MSCS	B. M. Bharathi
9	B. RUDRAIAH	II MSCs	B. Rudraiah
10	J. MAHESH	II MPCs	J. Mahesh
11	K. GOWSIYA	II MPCs	K. Gowsiya
12	V. RAJU	I MSCs	V. Raju
13	P. HABEEBA	I MSCs	P. Habeeba
14	V.N. GOPICHAND	IMPCs	V.N. Gopichand
15	K. CHARAN KUMAR	I MPCs	K. Charan Kumar



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## Report on Event

An Essay Writing Competition conducted on 15/12/2021 in View of National Mathematics Day on Day of 22<sup>nd</sup> December. Total 10 students were enrolled for this competition. The students write their views on topic “Indian Mathematicians”. Department incharge Faculty Sri.Dr. K.M. Rajesh, B. Siva Prasad, act as judges for this event. Winners of this event received prize on 22/12/2021.

**I st Prize: B. Pallavi III MPC**

**2<sup>nd</sup> Prize: B. Rudraiah, II MSCs**





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# QUIZ PROGRAMME

**Organised  
By**

**DEPARTMENT OF MATHEMATICS**

**On**


**15-12-2021**

## **DEARTMENT MINUTES**

A meeting was conducted among the members of the mathematics department on  
14-12-2021 at 4:30 PM.

The following matters were discussed and resolved:

1. To Conduct National Mathematics day
2. To Conduct the quiz and elocution on the eve of National Mathematics Day.
3. To Prepare individual time tables



In charge of the Department  
**DEPT. OF MATHEMATICS**  
**GOVT. DEGREE COLLEGE**  
**URAVAKONDA - 515812**  
**ANANTAPURAMU (DIST)**

**STAFF MEMBERS:**

B. Siva Prasad



# GOVERNMENT DEGREE COLLEGE URAVAKONDA - 515 812

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## PERMISSION LETTER


To,  
The Principal,  
Government Degree College,  
Uravakonda.

Respected Sir,

**Sub:** The Department of Mathematics -Permission-Conduct of Quiz - Programme-  
Req-Reg.

The Department of Mathematics will be conducting the Quiz Programme on  
Differential Equations and integrations for the III B.Sc, MPC, MPCs, MSCs Students on  
15<sup>th</sup> December, 2021. In this regard, we request you to kindly give us permission to  
conduct the above said programme.

Thanking you Sir,

  
In charge of the Department  
DEPT. OF MATHEMATICS  
GOVT. DEGREE COLLEGE  
URAVAKONDA - 515812  
ANANTAPURAMU (DIST)

  
Principal  
GOVT.DEGREE COLLEGE  
URAVAKONDA





# GOVERNMENT DEGREE COLLEGE URAVAKONDA - 515 812

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## CIRCULAR

The Department of mathematics was conducting the quiz programme on Differential Equations and integration for III B.Sc., MPC, MPCs, MSCs students on 15/12/2021. All the students should attend the programme without fail.

Venue: Room No. 25.

Timing: 11:00 A.M

  
In charge of the Department  
DEPT. OF MATHEMATICS  
GOVT. DEGREE COLLEGE  
URAVAKONDA - 515812  
ANANTAPURAMU (DIST)

  
Principal  
GOVT. DEGREE COLLEGE  
URAVAKONDA

**GOVERNMENT DEGREE COLLEGE, URAVAKONDA**  
**DEPARTMENT OF MATHEMATICS**  
**QUIZ PROGRAMME**

Name of the Topic : Quiz on Differential Equations  
 And Integrations

Name of the Lecturer: All the faculty of the department

Class : III B.Sc., MPC, MPCs, MSCs

Date : 15-12-2021

**GROUP A**

S.NO	Name of the Student	Group	Signature
1	K. Manjunath Yadav	III MPCs	K. Manjunath Yadav
2	M. Muni Swamy	III MPC	M. muni swamy
3	B. Maruthi	III MPCs	B. Maruthi
4	M. Srinivasulu	III MPC	M. Srinivasulu
5	M. mahesh	III MSCs	M. mahesh

**GROUP B**

S.NO	Name of the Student	Group	Signature
1	G. Noor Basha	III MSCs	G. Noor Basha
2	U. Sai Kumar	III MPCs	U. Sai Kumar
3	T. Bharath	III MSCs	T. Bharath
4	Y. Basava raj	III MSCs	M. Harish
5	D. Maruthi	III MPCs	D. Maruthi

**GROUP C**

S.NO	Name of the Student	Group	Signature
1	M. Muralidhar	III MPCs	M. Muralidhar
2	B. Vamsi	III MSCs	B. vamsi
3	M. Santhosh	III MPCs	M. Santhosh
4	P. Surendra	III MPCs	P. Surendra
5	Y. Veerendra	III MSCs	Y. Veerendra

**GROUP D**

S.NO	Name of the Student	Group	Signature
1	S. Farjana	III MSCs	S. Farjana
2	P. Deepika	III MSCs	P. Deepika
3	B. Haritha	III MPCs	B. Haritha
4	A. Sujatha	III MSCs	A. Sujatha
5	K. Rajeswari	II MPCs	K. Rajeswari

**GROUP E**

S.NO	Name of the Student	Group	Signature
1	M. Anjana Swaraj	III MSCs	M. Anjana Swaraj
2	K. Afroja	III MSCs	K. Afroja
3	B. Pallavi	III MPC	B. Pallavi
4	N. Lakshmi	III MPC	N. Lakshmi
5	S. Meghamala	III MPC	S. Meghamala

**Final Result: Winners – Group - E**  
**Runners – Group – A**

**Signature of the Lecturers**

1. B. Suresh
- 2.



# GOVERNMENT DEGREE COLLEGE URAVAKONDA - 515 812

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## PICTURES OF QUIZ PROGRAMME







# GOVERNMENT DEGREE COLLEGE URAVAKONDA - 515 812

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**Prizes distribution on the eve of national mathematics day**

### Quiz

1.  $1+2+3+\dots+n$  (మొదట  $n$  పదాలు మొత్తం)

A.  $\frac{n(n+1)}{2}$

2. మొదట పదు యోగ సంఖ్యల మొత్తం

A. 11    B. 18    C. 26    D. 28

Ans D.

3. 50 కంటే ఎక్కువైన ఏకైక యోగ సంఖ్యల సంఖ్య.

A. 16    B. 15    C. 14    D. 18

Ans (B)

4. క్రింది వాటిలో ఏది యోగ సంఖ్య కాదు.

A. ~~33~~ 31    B. 61    C. 71    D. 91

Ans D

5. క్రింది వాటిలో ఏది యోగ సంఖ్య

A. 161    B. 221    C. 373    D. 437

Ans C

6. క్రింది వాటిలో ఏది యోగ సంఖ్య

A. 119    B. 187    C. 247    D. ~~321~~

Ans None

7.  $(1-\frac{1}{n}) + (1-\frac{2}{n}) + (1-\frac{3}{n}) + \dots + n$  పదాల వరుసకు

A.  $\frac{n}{2}$     B.  $\frac{n-1}{2}$     C.  $\frac{n(n-1)}{2}$

D. None

(A) B

8.  $2+2^2+2^3+\dots+2^9 =$

A. 2044    B. 1022    C. 1056

D. None

A. B.

9.  $1^2+2^2+3^2+\dots+10^2 =$

A. 330    B. 345    C. 365

D. 385

A. D.

10.  $100 + 50 \times 2 = ?$

A. 75    B. 150    C. 200    D. 300

A. C

11.  $2 - [2 - \{2 - 2(2+0)\}] =$

A. -4    B. 4    C. 6    D. ~~1000~~ -6

A. D

12.  $18 - \{6 + 2(7 - 3 - 5)\}$  (A) C  
 A. 13 B. 10 C. 27 D. 32

13.  $1\frac{3}{4} + 5\frac{1}{3} + 3\frac{2}{5} =$  (A) D  
 A.  $9\frac{2}{5}$  B.  $9\frac{29}{60}$  C.  $10\frac{2}{5}$  D.  $10\frac{29}{60}$

14. The value of  $\frac{1}{2 + \frac{1}{2 + \frac{1}{2 + \frac{1}{2}}}}$  is (A) D.  
 A.  $\frac{3}{8}$  B.  $\frac{19}{8}$  C.  $\frac{8}{9}$  D.  $\frac{8}{19}$

15.  $(\sqrt{3} - \frac{1}{\sqrt{3}})^2 =$  (A) C  
 A.  $\frac{3}{4}$  B.  $\frac{4}{3}$  C.  $\frac{4}{3}$  D. None

16.  $(\sqrt{2} + \frac{1}{\sqrt{2}})^2 =$  (A) C  
 A.  $\frac{3}{2}$  B.  $\frac{7}{2}$  C.  $\frac{9}{2}$  D.  $\frac{11}{2}$

17. ~~The square root of 0~~

17. ~~Between 40 and 50~~ (A) C  
 A. 32 B. 42 C. 20.5 D. None

18. The value of  $(\sqrt{8})^{\frac{1}{3}}$  is (A) C  
 A. 2 B. 4 C.  $\sqrt{2}$  D. 8

19.  $\sqrt{2^n} = 64$  then the value of n is (A) D  
 A. 2 B. 4 C. 6 D. 12

20. A:B = 5:7 B:C = 6:11 then A:B:C =  
 A. 55:77:66 B. 30:42:77 C. 35:49:42 D. None A.B



**GOVERNMENT DEGREE COLLEGE**

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## Quiz Objectives and Report

Quiz programmes give an opportunity and active involvement of the students at their college level programmes. Quiz competitions are always interesting and informative which provide excitement among the students and also make them aware of subject knowledge. With practicing quizzes, students can do critical thinking, get into a habit of innovative learning and develop analytical attitude.

### Brief Report

The Department of Mathematics was conducted Quiz programme on different General mathematics for the III B.Sc., Students on 15<sup>th</sup> December, 2021 This quiz tested the students understanding in different mathematics topic. 25 students actively participated in this activity. The quiz was conducted in four rounds. In each round 10 questions were asked. The duration of each question is 15 seconds. Each question carries 1 marks. Group E got 26 marks. And Group A got 20 marks. As per score Group E became the winner. B.Siva Prasad Lecturer in Mathematics acted as Judge for the overall programme. End of the programme distributed prizes winners and runners.





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## **Feedback of the students**

Really speaking Quiz programme brought awareness on General Maths and gave inspiration for active participation in competitions.

B. Haritha, III Mpcs

Quiz programme on General Mathematics surely helps us in competitive exams. This will also help us to write Entrance exams.

G. Noor Basha, III Mscs

I felt very happy. The programme improved my confidence.

M. Anjana Swarj, III Mscs

I am very thankful to Department of Mathematics for conducting Quiz programme. This kind of activity generates interest in the subject.

M. Sreenivasulu, III MPC





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# **Certificate Course (2021 -22) Conducted By**

**DEPARTMENT OF MATHEMATICS**

**Topic: Arithmetic Ability**

**25/03/2022**



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### **DEPARTMENT MINUTES**

A meeting was conducted among the members of the mathematics department on 10-03-2022 at 3.30 PM.

The following matters were discussed and resolved:

1. To conduct a Certificate Course in Mathematics.
2. To distribute IV and VI semesters syllabus to the staff members.

**Staff Member's:**

1. B. Siva Prasad
2. M. Ramesh

**In-charge of the Department**  
**DEPT. OF MATHEMATICS**  
**GOVT. DEGREE COLLEGE**  
**URAVAKONDA - 515812**  
**ANANTAPURAMU (DIST)**



**GOVERNMENT DEGREE COLLEGE**  
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**PERMISSION LETTER**

To  
The Principal,  
Government Degree College,  
Uravakonda.


Respected Sir,

Sub: The Department of Mathematics – Request for permission –  
Certificate Course – Arithmetic ability – Request - Regd.

Keeping in view the role of Mathematics in getting employability, the Department of Mathematics wishes to start a certificate course on Arithmetic ability with the duration of 30 hours in the month of March/April without affecting the regular class work. In this regard, permission may be accorded to start afore said course.

Thanking you sir,

Yours faithfully,

  
In-charge of the Department  
DEPT. OF MATHEMATICS  
GOVT. DEGREE COLLEGE  
URAVAKONDA - 515812  
ANANTHAPURAMU (DIST)



# GOVERNMENT DEGREE COLLEGE URAVAKONDA - 515 812


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## CIRCULAR

All the III year students are hereby informed that the Department of Mathematics will start a Certificate Course on Arithmetic ability on 25<sup>th</sup> march 2022. Those who are interested to join the course, They have to enroll their names with **Sri. B. Siva Prasad**, lecturer in mathematics and certificate will be given after the completion of the course.

Name of the Course : **Arithmetic ability**  
Duration of the Course : **30 Hours**  
Commencement of the Course : **25/03/2022**  
Time Schedule of the classes : **05:00 PM to 06:00 PM**

  
In-Charge of the Department  
DEPT. OF MATHEMATICS  
GOVT. DEGREE COLLEGE  
URAVAKONDA - 515812  
ANANTAPURAMU (DIST)

  
Principal  
GOVT. DEGREE COLLEGE  
URAVAKONDA



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## SYLLABUS

1. Algebraic operations BODMAS
2. Fractions
3. LCM &HCF
4. Percentage
5. Profit & Loss
6. Partnership

S.No	Name of the Topic	Hours Allotted
1	Algebraic operations BODMAS	5
2	Fractions	5
3	LCM &HCF	5
4	Percentage	5
5	Profit & Loss	5
6	Partnership	5



# GOVERNMENT DEGREE COLLEGE URAVAKONDA - 515 812

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## TIME TABLE

Day	TIME
Monday	05:00 PM to 06:00 PM
Tuesday	05:00 PM to 06:00 PM
Wednesday	05:00 PM to 06:00 PM
Thursday	05:00 PM to 06:00 PM
Friday	05:00 PM to 06:00 PM
Saturday	05:00 PM to 06:00 PM





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## Signature of the Students

S.No	NAME OF THE STUDENT	GROUP	SIGNATURE
1	S.G. Meghamala	IIIMpc	S.G. Meghamala
2	B. Pallavi	III Mpc	B. Pallavi
3	J. Rajasekar	III Mpc	J. Rajasekar
4	N. Lakshmi	III Mpc	N. Lakshmi
5	N. Naga Pavani	III Mpc	N. Naga pavani
6	K. Mahesh	III Mpc	K. Mahesh
7	M. Muniswamy	III Mpc	M. Muniswamy
8	V. yerri Swamy	III Mpc	V. Yerriswamy
9	P. Yerri swamy	IIIMpcs	P. Yerriswamy
10	S. Rizwana	IIIMpcs	S. Rizwana
11	B. Haritha	IIIMpcs	B. Haritha
12	B. Maruthi	IIIMpcs	B. maruthi
13	C.G. Revathi	IIIMpcs	C.G. Revathi
14	D. Maruthi	IIIMpcs	D. Maruthi
15	D. Harshiya	IIIMpcs	D. Harshiya



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16	K. Rajeswari	IIIMpcs	K. Rajeswari
17	M. Suguna	IIIMpcs	M. Suguna
18	M. Muralidhar	IIIMpcs	M. Muralidhar
19	M. Santhosh	IIIMpcs	M. Santhosh
20	P. Surendra	IIIMpcs	P. Surendra
21	T. Madhavi	IIIMpcs	T. Madhavi
22	U.G. Sai Kumar	IIIMpcs	U.G. Sai Kumar
23	K. Arifa	IIIMscs	K. Arifa
24	B.Sujatha	IIIMscs	B. Sujatha
25	B.Vamsi	IIIMscs	B. Vamsi
26	G. Noor Mahammad	IIIMscs	G. Noor Mohammad
27	H. Nagesh	IIIMscs	H. Nagesh
28	K. Goutham	IIIMscs	K. Goutham
29	M. Anjanaswaraj	IIIMscs	M. Anjanaswaraj
30	T. Bharath	IIIMscs	T. Bharath



# **GOVERNMENT DEGREE COLLEGE**

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## **A Brief Report**

Department of Mathematics organised a Certificate course on Arithmetic abilities

- ❖ 30 students were attended out of 42 students
- ❖ The programme is conducted after the regular class work is over
- ❖ The duration of the class is one hour in total 30 hours is the duration of the course.
- ❖ Out of thirty students registered, students participated and successfully completed the course.
- ❖ During the programme we have conducted two tests and evaluated.
- ❖ At the end of the programme, a Grand Test was conducted and it was also evaluated.
- ❖ Certificates were issued to the successfully completed the course.

## **The outcomes of the course are:**

- ❖ To understand about importance of the arithmetic techniques
- ❖ To know the application of arithmetic techniques
- ❖ To understand the analytical thinking and peoples capability and effectively problems which are complex in nature.
- ❖ Acquire competency in use of arithmetic abilities







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## GOVERNMENT DEGREE COLLEGE, URAVAKONDA DEPARTMENT OF MATHEMATICS QUESTION PAPER FOR CERTIFICATE COURSE

Time: 20 min

13/20

- Following numbers is divisible by 10, 5, 2.
1. 20 C). 2565 D). 3745
2. Which of the following numbers is not divisible by 11  
A). 41745 B). 217316 C). 19756 D). 153980
3. How many numbers between 11 and 21 which are divisible by 5  
A). 2 B). 3 C). 1 D). None
4.  $1111.1 + 111.1 + 11.111 = ?$   
A). 1232.231 B). 1233.321 C). 1332.331 D). 1323.132
5.  $416 \times 38 \times 0.4 = ?$   
A). 6424.2 B). 6323.2 C). 6601.2 D). 6182.2
6.  $518 \times ? \times 9 = 303030$  Then  
A). 75 B). 65 C). 85 D). 55
7. LCM of two numbers is 120 and their HCF is 10. Which of the following can be the sum of those two numbers?  
A). 140 B). 80 C). 60 D). 70
8. The sum of two numbers is 45 and their product is 500. Their HCF is  
A). 5 B). 9 C). 10 D). 15
9. one - fourth of two - fifth of 30% of a number is 15. What is 20% of that number?  
A). 100 B). 50 C). 200 D). 75
10. sum of three consecutive numbers is 2262. What is 41% of the highest number?  
A). 301.51 B). 309.14 C). 308.73 D). 306.35
11. What is 35% of 45% of  $\frac{7}{9}$ th of 3600?  
A). 441 B). 414 C). 444 D). 411
12. Mena purchased a car for Rs.25000 and sold it for Rs 34800. What is the percent profit she made on the car?  
A). 40% B). 39.2% C). 37% D). 38%



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13. Prasad sold his work tools for Rs. 1850 and earned a profit of 25%. At what price did Prasad buy the work tools?  
A). 1360 B). 1300 C). 1240 **D). 1480** ✓
14. Seema purchased an item for Rs. 9600 and sold it for a loss of 5%. From that money, she purchased another item and sold it for a gain of 5%. What is her overall gain/loss?  
A). Loss Rs.36 **B). profit of Rs.25** C. loss of Rs. 54 D). None of these ✗
15. X, Y, Z were sharing profits in the ratio 4:3:2:y. retired from the firm and X and Z decide to share profits in the ratio 3:2. Calculate the gaining ratio.  
A). 7:8 B). 5:9 **C). 4:7** D). 5:8 ✗
16. What value will you obtain if twenty five percent of 2340 is subtracted from four ninth of square of 36?  
A). 9 B). 18 **C). -9** D). 3 ✓
17. What is the least number that can be added to the number 1020 to make it a perfect square?  
A). 59 B). 65 **C). 4** D). 12 ✓
18.  $18.5\%$  of 220 +  $12.4\%$  of 680 = ?  
A). 132.05 B). 125.02 **C). 142.07** D). 118.07 ✗
19.  $160\%$  of 250 + ? =  $120\%$  of 400  
A). 160 B). 40 **C). 80** D). 120 ✓
20.  $56 + 12 \times 0.45 - 3 = ?$   
**A). 28.5** B). 47.6 C). 86.6 D). 58.4 ✗

68  
6540.45  
375  
960







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S.No	NAME OF THE STUDENT	Marks	Grades
1.	S.G. MEGHAMALA	15	A
2.	B. PALLAVI	18	A
3.	J. RAJASEKHAR	13	B
4.	N. LAKSHMI	15	A
5.	K. NAGA PAVANI	10	C
6.	K. MAHESH	12	C
7.	M. MUNISWAMY	10	C
8.	V. YERRISWAMY	10	C
9.	P. YERRI SWAMY	10	C
10.	S. RIZWANA	15	A
11.	B. HARITHA	16	A
12.	B. MARUTHI	15	A
13.	C.G. REVATHI	18	A
14.	D. MARUTHI	15	A
15.	D. HARSHIYA	18	A
16.	K. RAJESWARI	15	A
17.	M. SUGUNA	15	A
18.	M. MURALIDHAR	12	B
19.	M. SANTHOSH	10	C
20.	P. SURENDRA	10	C
21.	T. MADHAVI	15	A
22.	U.G. SAI KUMAR	15	A
23.	K. ARIFA	16	A
24.	A. SUJATHA	17	A
25.	B. VAMSI	12	B
26.	G. NOORMAHAMMAD	15	A
27.	H. NAGESH	12	B
28.	K. GOUTHAM	12	B
29.	M. ANJANA SWARAJ	18	A
30.	T. BHARATH	10	C

A – Grade: >75%

B – Grade: 60 – 75%, C – Grade: 50 – 60%




**GOVERNMENT DEGREE COLLEGE  
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**CERTIFICATE OF COMPLETION**

This is to certify that \_\_\_\_\_ Regd.No \_\_\_\_\_ of Government Degree College, Uravakonda has completed his /her one month Certificate Course on “ARTHEMATIC ABELITIES” from 25/03/2022 to 25/04/2022 organized by the Department of Mathematics.

The over all performance of an Individual during his/her Entire Course is found to be Satisfactor

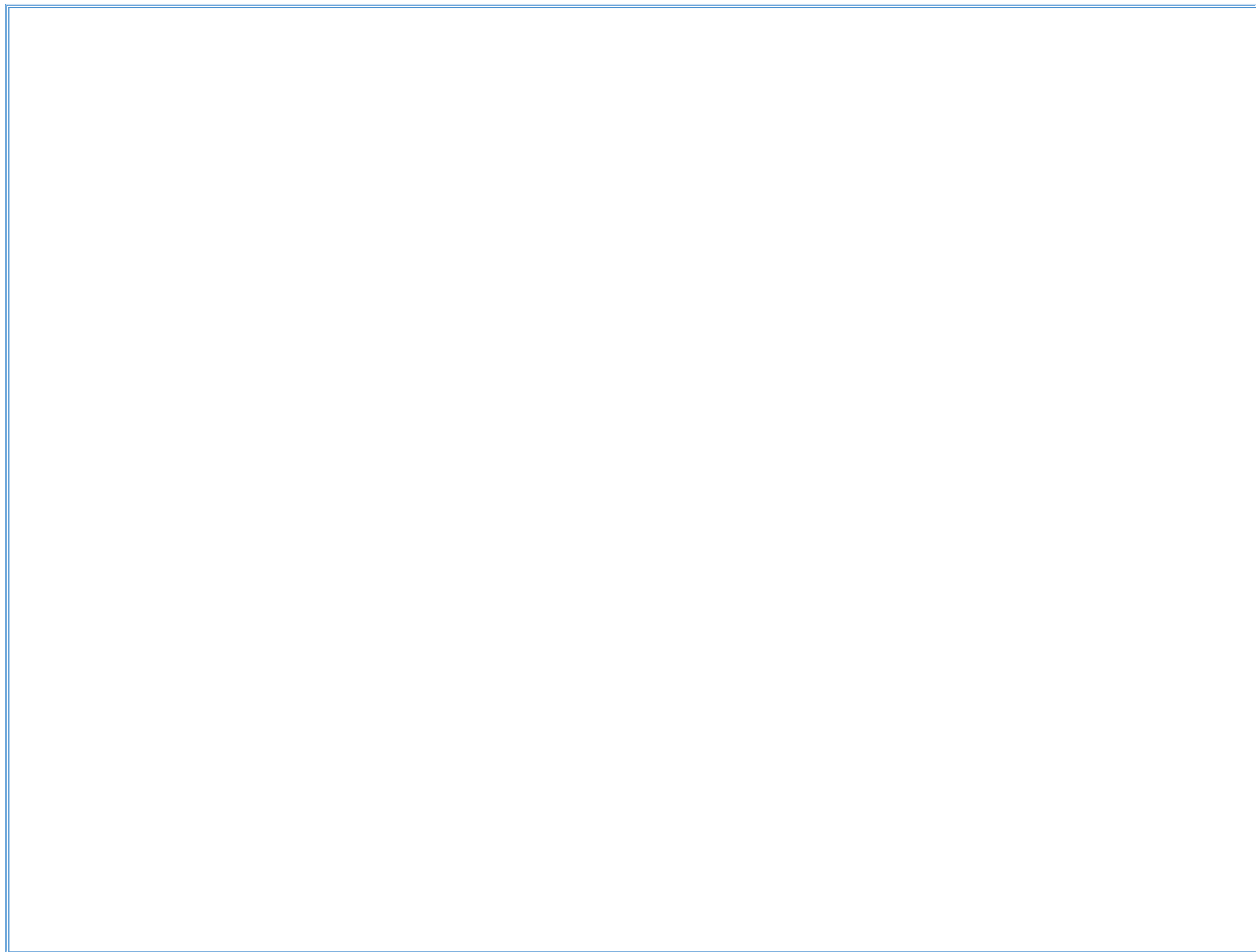
  
In charge of the Department  
**DEPT. OF MATHEMATICS**  
**GOVT. DEGREE COLLEGE**  
**URAVAKONDA - 515812**  
**ANANTAPURAMU (DIST)**

**(Dr. K.M. RAJESH)**



  
Principal  
**GOVT.DEGREE COLLEGE**  
**URAVAKONDA**

**Principal**





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# Bridge Course (2021 -22)

**Organised  
By**

**DEPARTMENT OF MATHEMATICS**



# GOVERNMENT DEGREE COLLEGE

**URAVAKONDA - 515 812**

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## DEPARTMENT MINUTES

A meeting was conducted among the members of the mathematics department on 15-11-2021 at 3.30 p.m.

**The following matters were discussed and resolved.**

1. To conduct a Bridge course in mathematics on I B.Sc., Mathematics students.
2. To distribute I,III and V semesters syllabus to the staff members.

**Staff Member's:**

1. B. Siva Prasad

  
**Dept. of Mathematics**  
**Govt. Degree College**  
**Uravakonda - 515812**





**GOVERNMENT DEGREE COLLEGE**  
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**PERMISSION LETTER**

Date: 17/11/2021

To

The Principal,  
Government Degree College,  
Uravakonda.


Respected Sir,

Sub: The Department of Mathematics – Request for permission – conduct Bridge Course  
– Introduction to Differential Equations and Solid Geometry -Request - Regd.

Keeping in view the role of Mathematics in getting employability, the Department of Mathematics wishes to start a Bridge course on introduction to Differential Equations and Solid geometry with the duration of 10 hours in the month of November/ December without affecting the regular class work. In this regard, permission may be accorded to start afore said course.

Thanking you sir,

Yours faithfully,

  
**Dept. of Mathematics**  
**Govt. Degree College**  
**Uravakonda - 515812**





# GOVERNMENT DEGREE COLLEGE

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## CIRCULAR

Date: 20/11/2021


All the I year students are hereby informed that the Department of Mathematics will start a Bridge Course introduction to Differential Equation and Solid Geometry on 23<sup>rd</sup> November 2021. Those who are interested to join the course, They have to enroll their names with **Sri. B. Siva Prasad**, lecturer in mathematics.

Name of the Course: Introduction of Differential Equations and Solid Geometry

Duration of the Course: **15 Hours**

Commencement of the Course: 23/11/2021

Time Schedule of the classes: **5:00 PM to 6:00 PM**

  
**Dept. of Mathematics**  
**Govt. Degree College**  
**Uravakonda - 515812**

  
Principal  
**GOVT.DEGREE COLLEGE**  
**URAVAKONDA**



# **GOVERNMENT DEGREE COLLEGE**

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## **Introduction:**

### **Course objectives:**

Abridge course is offered as a ten day intensive course for newly admitted students is conducted every year before the commencement of the first semester degree classes. The main objective of the course is to bridge the gap between subjects studied at intermediate level and subjects they would be studying in graduation.

The syllabus for the course is framed in such a way that they get basis knowledge in the subjects which they would be learning through graduation.

Members of the staff from Mathematics Department are involved in the bridge course.

## **SYLLABUS**

**1. Derivatives**

**2. Integrations**

**3. Plane**

**4. Line**

**5. Sphere**



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S.No	Name of the Topic	Hours Allotted
1	Derivatives	3
2	Integrations	3
3	Plane	3
4	Line	3
5	Sphere	3

## TIME TABLE

Day	Timing
Tuesday	05:00 PM to 06:00 PM
Thursday	05:00 PM to 06:00 PM
Friday	05:00 PM to 06:00 PM



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# GOVERNMENT DEGREE COLLEGE URAVAKONDA - 515 812

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## STUDENTS LIST

S.NO	HALL TICKET No	NAME OF THE STUDENT	SIGNATURE
1	2142014050001	A. NAVEEN KUMAR	A. Naveen Kumar
2	2142014050002	B. AGULLOORAPPA	ABSENT
3	2142014050003	B. SAI SHIVANI	B. Sai Shiyani
4	2142014050004	C. SREELEKHA	C. Sreelecha
5	2142014050006	D. DEEPTHI	D. Deepthi
6	2142014050008	G.S. ZAHOR AHAMMAD	G.S. Zahoor Ahamed
7	2142014050009	G. SURESH	G. Suresh
8	2142014050010	G. MALLESWARI	G. Malleswari
9	2142014050011	H. SREEKANTH	H. Sreekanth
10	2142014050012	K. GNANESWARI	K. Gnaneswari
11	2142014050013	K. CHARAN KUMAR	K. Charan Kumar
12	2142014050014	K. VANDANA PRIYA	K. Vandana Priya
13	2142014050015	K. NOOR BASHA	K. Noor Basha
14	2142014050017	K.P. SREENIVASULU	K. Sreenivasulu
15	2142014050018	K. VIJAY KRISHNA	K. Vijay Krishna
16	2142014050020	K. BHASKAR	K. Bhaskar
17	2142014050021	M. SHAMMU	M. Shammu
18	2142014050022	M. RAVITEJA	M. Raviteja
19	2142014050023	M. SEKHAR	M. Sekhar
20	2142014050025	P. SALMA	P. Salma
21	2142014050026	P. YASWANTH	P. Yashwanth
22	2142014050027	P. SIDDARTHA	P. Siddartha
23	2142014050028	S. TEJA	ABSENT
24	2142014050029	S. SEENU	S. Seenu
25	2142014050031	U. MADHAVI	U. Madhavi
26	2142014050032	U. SAILAJA	U. Sailaja
27	2142014050033	V.N. GOPICHAND	V.N. Gopichand
28	2142014054001	A.M. RAFEEQ	A. Mohammad Rafeeq
29	2142014054003	B. VAMSI	ABSENT
30	2142014054004	C. BHUVANA CHANDRA	C. Bhuvana chandra
31	2142014054005	C. VAISHNAVI	C. Vaishnavi
32	2142014054006	C. RAVEENDRA	C. Raveendra
33	2142014054007	D. HARITHA	D. Haritha
34	2142014054008	G. RAMU	G. Ramu
35	2142014054009	G. ESWARI	G. Eswari
36	2142014054010	G. SWATHI	G. Swathi
37	2142014054011	G. PUSHPA LATHA	G. Rushpalatha





38	2142014054012	J. RAJENDRA	J. Rajendra
39	2142014054013	K. SRIVANI	K. Sri Vanu
40	2142014054014	K. MASTAN	K. Masthan
41	2142014054015	K. SHIRISHA	K. Shishisha
42	2142014054016	K.B. HEMADRI	K.B. Hemadri
43	2142014054018	K. SOWMYA	K. Sowmya
44	2142014054019	L. NAVEEN KUMAR	L. Naveen Kumar
45	2142014054020	M. NAGA RAJU	M. Nagaraju
46	2142014054021	M. INDRA SENA	ABSENT
47	2142014054022	M. PUSPA LATHA	M. pushpalatha
48	2142014054023	M. VASANTHA	M. Vasantha
49	2142014054025	P. HABEEBA	P. Habeeba
50	2142014054028	P. VIJAYA	P. Vijaya
51	2142014054029	P. PARIMALA	P. Parimala
52	2142014054030	S. ABDHUL KHADEER	S. Abdul Khadeer
53	2142014054031	S. ANWAR BASHA	S. Anwar Basha
54	2142014054032	T. MAHESH	T. Mahesh
55	2142014054033	T. SAIK FAREED	T. Shaik Fareed
56	2142014054034	V. RAJU	V. Raju
57	214201454035	Y. TEJESWARI	Y. Tejeswari







**GOVERNMENT DEGREE COLLEGE**  
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# DEPARTMENT OF MATHEMATICS

## REMEDIAL CLASSES

### SEMESTER-6

2021-22

## DEARTMENT MINUTES

A meeting was conducted among the members of the mathematics department on 13-06-2022 at 4.30 PM.


The following matters were discussed and resolved:

1. To conduct student Seminars, Quiz, Group Discussions.
2. Prepare the project work records..
3. To conduct Remedial classes on VI sem students.
4. To be plan Educational tour

### MEMBERS:

1. B. Siva Prasad
2. M. Ramesh



  
In charge of the Department  
**DEPT. OF MATHEMATICS**  
**GOVT. DEGREE COLLEGE**  
**URAVAKONDA - 515812**  
**ANANTAPURAMU (DIST)**

**PERMISSION LETTER**

To,  
The Principal,  
Government Degree College,  
Uravakonda.

Respected Sir,


Sub: The Department of Mathematics – Request for Permission –  
Remedial Classes – Reg.

Keeping in view the importance of Remedies Classes, the Department of Mathematics wishes to start Remedial Classes with the duration of 12 Days in Semester-6, 2021-22. In this regard, permission may be accorded to start Remedial Classes.

Thanking you sir,




Yours faithfully,

  
In-charge of the Department  
**DEPT. OF MATHEMATICS**  
**GOVT. DEGREE COLLEGE**  
**URAVAKONDA - 515812**  
**ANANTAPURAMU (DIST)**

CIRCULAR

All the 6<sup>th</sup> Semester students are hereby informed that the Department of Mathematics will start Remedial Classes of III BSC., MPC, MPCs, MSCs On 16/06/2022.

  
In-Charge of the Department  
**DEPT. OF MATHEMATICS**  
**GOVT. DEGREE COLLEGE**  
**URAVAKONDA - 515812**  
**ANANTAPURAMU (DIST)**

  
Principal  
**PRINCIPAL**  
**GOVT. DEGREE COLLEGE**  
**URAVAKONDA**



## **Introduction:**

### **Coaching Objectives:**

**A remedial coaching is to be organized as a fifteen days intensive coaching for students who have fallen behind in their studies and failed in concerned paper I every semester before the commencement of the supplementary exams. The main objective of the coaching is to join the students along with advanced learners.**

**The syllabus for the coaching is framed according to their standards so that they the subjects as a result they would pass in failed subjects.**

**The ultimate aim of remedial coaching is to help pupils who have fallen behind to learn to the best of their ability and to bring them back into the mainstream classes as far as possible.**

**Staff from mathematics department are involved in the remedial coaching.**

**Students are to be classified based on their performance as advanced learners, moderate learners and slow learners. The Remedial coaching will be given to slow and moderate learners whose performance is least semester exams conducted by affiliated universities.**

**GOVERNMENT DEGREE COLLEGE, URAVAKONDA**

**DEPARTMENT OF MATHEMATICS**

**Analysis of students – Grouping of students into Slow, Moderate and Advanced Learners**

**Course: III BSc**

**Group: MPC, MPCs, MSCs**

**Medium: T/E**

**Year:2021-22**

<b>Grouping of Students</b>	<b>Name of the Students</b>	<b>Targeted Approach/ Strategy</b>
<b>Slow Learners</b>	J. Rajasekar K. Nagapavani K. Mahesh M. Muniswamy S. Rizwana B. Haritha B. Maruthi D. Maruthi J. Vasundhara M. Santhosh P. Surendra T. Madhavi U. Sai kumar B. Vamsi H. Nagesh Y. Basavaraju	<ul style="list-style-type: none"><li>➤ Give Important Questions</li><li>➤ Make students write the practice exams if with important questions</li><li>➤ Regular follow up of marks and attendance</li><li>➤ Give moral support</li></ul>
<b>Moderate Learners</b>	S.G. meghamala M. Sreenivasulu K. Arifa G. Noor Muhammad S. Farjana P. Yerriswamy C.G. Revathi	<ul style="list-style-type: none"><li>➤ Encourage to get good marks in University Exams</li><li>➤ Encourage to read text books</li><li>➤ Prepare their own material for university exams</li><li>➤ Guide for competitive exams by coaching</li></ul>
<b>Advanced Learners</b>	N. Lakshmi K. Rajeswari T. Bharath M. Anjana Swaraj A. Sujatha	<ul style="list-style-type: none"><li>➤ Encourage self-learning methods by use of internet</li><li>➤ Prepare for entrance examination</li><li>➤ Encourage to solve problems from text book</li><li>➤ Prepare for competitive examinations</li><li>➤ Encourage to read reference text books</li></ul>









**GOVERNMENT DEGREE COLLEGE**

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# DEPARTMENT OF MATHEMATICS

## REMEDIAL CLASSES

**SEMESTER-5**

**2021-22**

## DEARTMENT MINUTES

A meeting was conducted among the members of the mathematics department on 14-12-2021 at 4.30 PM.


The following matters were discussed and resolved:

1. To Celebrate National Mathematics Day
2. Student Seminars.
3. To conduct Quiz and Elocution on eve of the Srinivasa Ramanujam birthday celebrations.
4. To conduct Remedial classes on V and III sem students.

MEMBERS:

1. B. Siva Prasad



  
In charge of the Department  
**DEPT. OF MATHEMATICS**  
**GOVT. DEGREE COLLEGE**  
**URAVAKONDA - 515812**  
**ANANTAPURAMU (DIST)**

**PERMISSION LETTER**

To,  
The Principal,  
Government Degree College,  
Uravakonda.

Respected Sir,

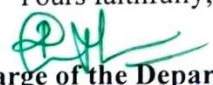
Sub: The Department of Mathematics – Request for Permission –  
Remedial Classes – Reg.

Keeping in view the importance of Remedies Classes, the Department of Mathematics wishes to start Remedial Classes with the duration of 12 Days in Semester-5, 2021-22. In this regard, permission may be accorded to start Remedial Classes.

Thanking you sir,



Yours faithfully,


  
In-charge of the Department  
**DEPT. OF MATHEMATICS**  
**GOVT. DEGREE COLLEGE**  
**URAVAKONDA - 515812**  
**ANANTAPURAMU (DIST)**



**CIRCULAR**

All the 5<sup>th</sup> Semester students are hereby informed that the Department of Mathematics will start Remedial Classes of semester –V on 27/12/2021.



  
In-Charge of the Department  
**DEPT. OF MATHEMATICS**  
**GOVT. DEGREE COLLEGE**  
**URAVAKONDA - 515812**  
**ANANTAPURAMU (DIST)**

  
Principal  
**PRINCIPAL**  
**GOVT.DEGREE COLLEGE**  
**URAVAKONDA**



## Introduction:

### Coaching Objectives:

A remedial coaching is to be organized as a fifteen days intensive coaching for students who have fallen behind in their studies and failed in concerned paper I every semester before the commencement of the supplementary exams. The main objective of the coaching is to join the students along with advanced learners.

The syllabus for the coaching is framed according to their standards so that they the subjects as a result they would pass in failed subjects.

The ultimate aim of remedial coaching is to help pupils who have fallen behind to learn to the best of their ability and to bring them back into the mainstream classes as far as possible.

Staff from mathematics department are involved in the remedial coaching.

Students are to be classified based on their performance as advanced learners, moderate learners and slow learners. The Remedial coaching will be given to slow and moderate learners whose performance is least semester exams conducted by affiliated universities.

**GOVERNMENT DEGREE COLLEGE, URAVAKONDA**

**DEPARTMENT OF MATHEMATICS**

**Analysis of students – Grouping of students into Slow, Moderate and Advanced Learners**

**Course: III BSc**

**Group: MPC, MPCs, MSCs**

**Medium: T/E**

**Year:2021-22**

<b>Grouping of Students</b>	<b>Name of the Students</b>	<b>Targeted Approach/ Strategy</b>
<b>Slow Learners</b>	J. Rajasekar K. Nagapavani K. Mahesh V. Yerriswamy S. Rizwana B. Haritha J. mahesh M. Muralidhar J. Vasundhara K. Manjunath yadav T. Madhavi	<ul style="list-style-type: none"><li>➤ Give Important Questions</li><li>➤ Make students write the practice exams if with important questions</li><li>➤ Regular follow up of marks and attendance</li><li>➤ Give moral support</li></ul>
<b>Moderate Learners</b>	S.G. meghamala M. Sreenivasulu K. Arifa G. Noor Muhammad S. Farjana P. Yerriswamy C.G. Revathi	<ul style="list-style-type: none"><li>➤ Encourage to get good marks in University Exams</li><li>➤ Encourage to read text books</li><li>➤ Prepare their own material for university exams</li><li>➤ Guide for competitive exams by coaching</li></ul>
<b>Advanced Learners</b>	N. Lakshmi K. Rajeswari T. Bharath M. Anjana Swaraj A. Sujatha	<ul style="list-style-type: none"><li>➤ Encourage self-learning methods by use of internet</li><li>➤ Prepare for entrance examination</li><li>➤ Encourage to solve problems from text book</li><li>➤ Prepare for competitive examinations</li><li>➤ Encourage to read reference text books</li></ul>



## IV Sem

V Sem NAMES		27/12/21	28/12	29/12	30/12	31/12	31/01/22	4/02/22	5/02/22	17/02/22	18/02	19/02	20/02
T. Raja Sekhar	1	1	a	1	1	a	1	a	1	a	1	1	a
K. Naga parani	1	a	1	a	1	1	1	1	1	a	1	a	1
K. Mahesh	a	a	1	1	a	1	a	1	1	1	1	1	a
V. Yerriswamy	1	1	1	a	1	1	1	1	a	1	1	a	1
S. Rizwana	1	1	1	1	a	a	a	1	1	1	1	1	1
B. Haritha	1	1	a	1	1	1	1	1	1	a	1	1	1
T. Mahesh	1	1	1	a	1	1	a	1	1	1	1	1	1
M. muralidhar	1	a	1	1	1	a	1	a	1	a	a	a	1
T. Vasundara	1	1	a	a	1	1	a	1	a	1	1	1	a
K. Manjunath Yadav	1	1	1	1	a	1	1	a	1	1	1	1	1
T. madhavi	1	1	1	1	1	1	a	1	a	1	1	1	1



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# DEPARTMENT OF MATHEMATICS

## REMEDIAL CLASSES

### SEMESTER-IV

**2021-22**



## DEPARTMENT MINUTES

A meeting was conducted among the members of the mathematics department on 13-06-2022 at 4.30 PM.


The following matters were discussed and resolved:

1. To conduct student Seminars, Quiz, Group Discussions.
2. Prepare the project work records..
3. To conduct Remedial classes on VI and IV sem students.
4. To be plan Educational tour

### MEMBERS:

1. B. Siva Prasad
2. M. Ramesh



  
In charge of the Department  
**DEPT. OF MATHEMATICS**  
**GOVT. DEGREE COLLEGE**  
**URAVAKONDA - 515812**  
**ANANTAPURAMU (DIST)**

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**PERMISSION LETTER**

To,  
The Principal,  
Government Degree College,  
Uravakonda.

Respected Sir,


Sub: The Department of Mathematics – Request for Permission –  
Remedial Classes – Reg.

Keeping in view the importance of Remedies Classes, the Department of Mathematics wishes to start Remedial Classes with the duration of 12 Days in Semester-IV, 2021-22. In this regard, permission may be accorded to start Remedial Classes.

Thanking you sir,




Yours faithfully,

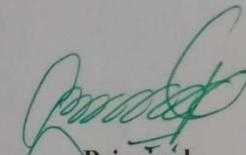
  
In-charge of the Department  
**DEPT. OF MATHEMATICS**  
**GOVT. DEGREE COLLEGE**  
**URAVAKONDA - 515812**  
**ANANTAPURAMU (DIST)**

CIRCULAR

All the 4<sup>th</sup> Semester students are hereby informed that the Department of Mathematics will start Remedial Classes of Semester-IV on 16/06/2022.

  
In-Charge of the Department  
**DEPT. OF MATHEMATICS**  
**GOVT. DEGREE COLLEGE**  
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**ANANTAPURAMU (DIST)**



  
Principal  
**PRINCIPAL**  
**GOVT. DEGREE COLLEGE**  
**URAVAKONDA**

## **Introduction:**

### **Coaching Objectives:**

**A remedial coaching is to be organized as a fifteen days intensive coaching for students who have fallen behind in their studies and failed in concerned paper I every semester before the commencement of the supplementary exams. The main objective of the coaching is to join the students along with advanced learners.**

**The syllabus for the coaching is framed according to their standards so that they the subjects as a result they would pass in failed subjects.**

**The ultimate aim of remedial coaching is to help pupils who have fallen behind to learn to the best of their ability and to bring them back into the mainstream classes as far as possible.**

**Staff from mathematics department are involved in the remedial coaching.**

**Students are to be classified based on their performance as advanced learners, moderate learners and slow learners. The Remedial coaching will be given to slow and moderate learners whose performance is least semester exams conducted by affiliated universities.**

**The test will be conducted at the end of the coaching to assess their performance.**

**GOVERNMENT DEGREE COLLEGE, URAVAKONDA**

**DEPARTMENT OF MATHEMATICS**

**Analysis of students – Grouping of students into Slow, Moderate and Advanced Learners**

**Course: II BSc**

**Group: MPC, MPCs, MSCs**

**Medium: T/E**

**Year:2021-22**

<b>Grouping of Students</b>	<b>Name of the Students</b>	<b>Targeted Approach/ Strategy</b>
<b>Slow Learners</b>	C. Venu Pradeep T. B. Gangadhar A. Afrin taj D. Afroze K. Lakshmi Narashima M. Ramanjineyulu Y. Hamid Basha A. Mallika B. Aravinda B. Laluswamy B,M. Bhararhi K. Chandu Prakash D. Siva Krishna	<ul style="list-style-type: none"><li>➤ Give Important Questions</li><li>➤ Make students write the practice exams if with important questions</li><li>➤ Regular follow up of marks and attendance</li><li>➤ Give moral support</li></ul>
<b>Moderate Learners</b>	E. Siddappa J. Mahesh K. Gowsiya B. Rudraiah B. Sudharshan	<ul style="list-style-type: none"><li>➤ Encourage to get good marks in University Exams</li><li>➤ Encourage to read text books</li><li>➤ Prepare their own material for university exams</li><li>➤ Guide for competitive exams by coaching</li></ul>
<b>Advanced Learners</b>	D. Saritha J. Hemalatha K. Kavya K. Sunitha T. Jaya Sree T. Dada Jigunu S. Shamsad Khadri B. Aswin Jabin B. Jyothi	<ul style="list-style-type: none"><li>➤ Encourage self-learning methods by use of internet</li><li>➤ Prepare for entrance examination</li><li>➤ Encourage to solve problems from text book</li><li>➤ Prepare for competitive examinations</li><li>➤ Encourage to read reference text books</li></ul>

Scm  
[14]

IV Sem		NAMES													
		16/06/22	17/06	18/06	20/06	21/06	22/06	23/06	24/06	25/06	27/06	28/06	29/06		
C. Venu pradeep	a	1	1	1	1	1	a	a	1	1	1	a	1		
T.B. Gangadhar	a	a	1	1	1	1	a	a	1	a	1	1	1		
A. Afrin Taj	1	1	1	a	1	a	1	1	1	1	a	1	a		
D. A fraze	a	a	1	a	1	1	1	1	a	1	a	1	1		
K. Lakshmi Narashimha	1	1	a	1	1	1	1	a	1	a	1	1	a		
M. Ramenigineyulu	1	1	1	a	1	1	1	a	1	1	a	1	1		
Y. Hamid Bashe	1	1	a	1	a	1	a	1	a	1	1	a	1		
A. Mallika	1	1	1	1	1	a	1	a	1	1	a	1	1		
B. Aravinda	1	a	1	1	a	1	1	1	1	a	1	a	1		
B. Lala swamy	1	1	1	a	1	1	1	a	1	1	a	1	a		
B.M. Bharathi	1	1	1	1	1	a	1	1	1	a	1	1	1		
K. Chandu prakash	1	1	a	1	1	1	a	1	1	1	a	1	1		
D. Siva Krishna	1	1	1	a	1	a	1	1	1	a	a	1	1		









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# DEPARTMENT OF MATHEMATICS

## REMEDIAL CLASSES

### SEMESTER-III

2021-22

## DEARTMENT MINUTES

A meeting was conducted among the members of the mathematics department on 14-12-2021 at 4.30 PM.


The following matters were discussed and resolved:

1. To Celebrate National Mathematics Day
2. Student Seminars.
3. To conduct Quiz and Elocution on eve of the Srinivasa Ramanujam birthday celebrations.
4. To conduct Remedial classes on V and III sem students.

MEMBERS:

1. B. Siva Prasad



  
In charge of the Department  
**DEPT. OF MATHEMATICS**  
**GOVT. DEGREE COLLEGE**  
**URAVAKONDA - 515812**  
**ANANTAPURAMU (DIST)**

**PERMISSION LETTER**

To,  
The Principal,  
Government Degree College,  
Uravakonda.

Respected Sir,


Sub: The Department of Mathematics – Request for Permission –  
Remedial Classes – Reg.

Keeping in view the importance of Remedies Classes, the Department of Mathematics wishes to start Remedial Classes with the duration of 12 Days in Semester-5, 2021-22. In this regard, permission may be accorded to start Remedial Classes.

Thanking you sir,




Yours faithfully,

  
In-charge of the Department  
**DEPT. OF MATHEMATICS**  
**GOVT. DEGREE COLLEGE**  
**URAVAKONDA - 515812**  
**ANANTAPURAMU (DIST)**

**CIRCULAR**

All the 5<sup>th</sup> ~~Semester~~ students are hereby informed that the Department of Mathematics will start Remedial Classes of semester –V on 27/12/2021.



  
In-Charge of the Department  
**DEPT. OF MATHEMATICS**  
**GOVT. DEGREE COLLEGE**  
**URAVAKONDA - 515812**  
**ANANTAPURAMU (DIST)**

  
Principal  
**PRINCIPAL**  
**GOVT.DEGREE COLLEGE**  
**URAVAKONDA**

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## **Introduction:**

### **Coaching Objectives:**

A remedial coaching is to be organized as a fifteen days intensive coaching for students who have fallen behind in their studies and failed in concerned paper I every semester before the commencement of the supplementary exams. The main objective of the coaching is to join the students along with advanced learners.

The syllabus for the coaching is framed according to their standards so that they the subjects as a result they would pass in failed subjects.

The ultimate aim of remedial coaching is to help pupils who have fallen behind to learn to the best of their ability and to bring them back into the mainstream classes as far as possible.

Staff from mathematics department are involved in the remedial coaching.

Students are to be classified based on their performance as advanced learners, moderate learners and slow learners. The Remedial coaching will be given to slow and moderate learners whose performance is least semester exams conducted by affiliated universities.

**GOVERNMENT DEGREE COLLEGE, URAVAKONDA**

**DEPARTMENT OF MATHEMATICS**

**Analysis of students – Grouping of students into Slow, Moderate and Advanced Learners**

**Course: II BSc**

**Group: MPC, MPCs, MSCs**

**Medium: T/E**

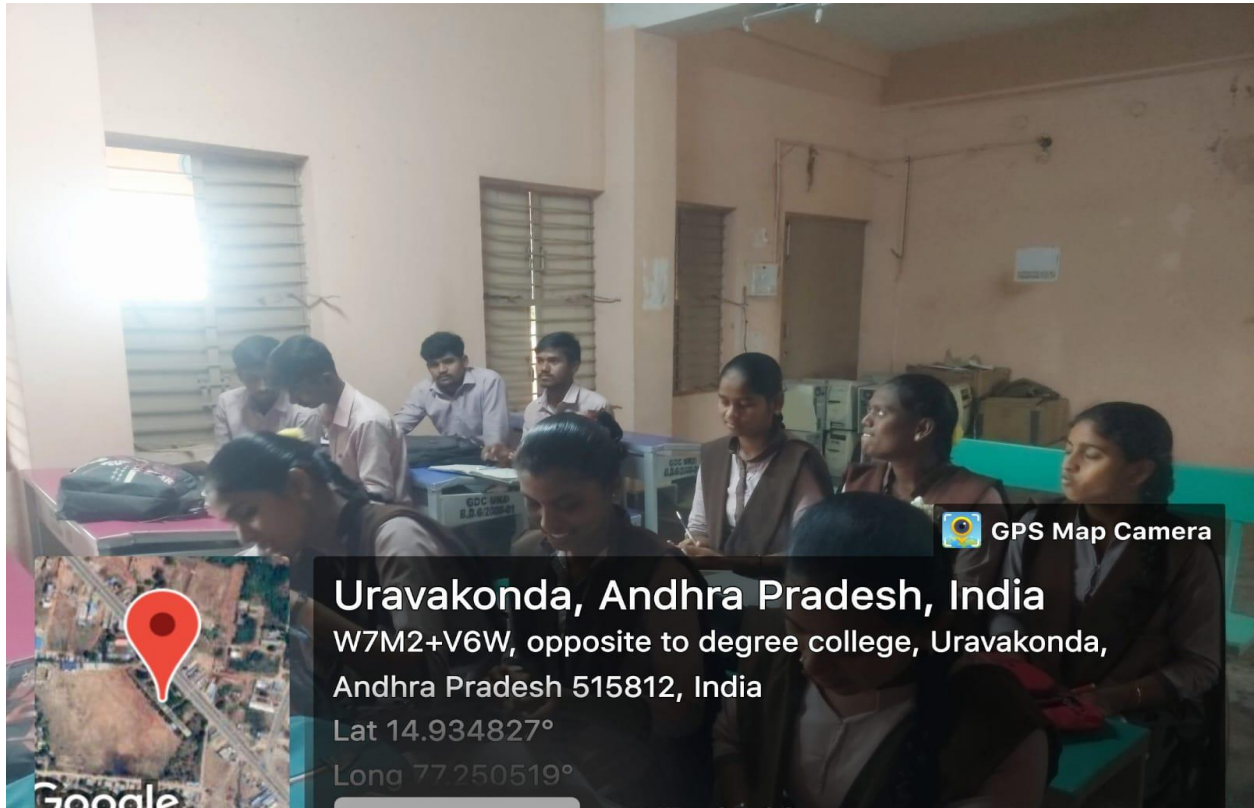
**Year:2021-22**

<b>Grouping of Students</b>	<b>Name of the Students</b>	<b>Targeted Approach/ Strategy</b>
<b>Slow Learners</b>	B. Lalu swamy B. Santhosh K. Afroja K. Sai Kiran L.M. Rihan P. Khaseem C. Venu Pradeep T.B. Gangadhara A. Tejeswari D. Afroze G. Gouse S. Afrin K. Harihara rao	<ul style="list-style-type: none"><li>➤ Give Important Questions</li><li>➤ Make students write the practice exams if with important questions</li><li>➤ Regular follow up of marks and attendance</li><li>➤ Give moral support</li></ul>
<b>Moderate Learners</b>	A. Mallika B. Lakshmi Prasad B. Rudraiah B.M. Bharathi D. Prakash K. Gowsiya H.K. Ravi kumar G. Kumar P. Lakshmi P. Rama Devi	<ul style="list-style-type: none"><li>➤ Encourage to get good marks in University Exams</li><li>➤ Encourage to read text books</li><li>➤ Prepare their own material for university exams</li><li>➤ Guide for competitive exams by coaching</li></ul>
<b>Advanced Learners</b>	B. Jyothi D. Pavan Kumar B. Ashwan Jabin J. Mahesh S. Shamsad Khadri T. Dada Jigunu T. Jaya sree	<ul style="list-style-type: none"><li>➤ Encourage self-learning methods by use of internet</li><li>➤ Prepare for entrance examination</li><li>➤ Encourage to solve problems from text book</li><li>➤ Prepare for competitive examinations</li><li>➤ Encourage to read reference text books</li></ul>



# III Sem NAMES

III Sem NAMES		27/01/22	28/01	29/01	31/01	01/02	02/02	03/02	04/02	05/02	06/02	07/02	08/02	09/02
B. Lahu Sumanj		1	1	1	a	a	1	a	1	a	1	1	a	
B. Santhosh		1	a	1	1	1	a	1	1	a	1	a	1	
K. Afroja		1	1	1	1	1	1	1	a	1	1	a	1	
K. Saikiran		1	1	1	a	1	1	a	1	1	1	1	a	
L.M. Rihan		1	a	1	1	1	1	1	a	1	1	1	1	
P. Kaseem		a	1	a	1	1	1	1	a	a	1	1	1	
C. Venu pradeep		1	1	a	a	1	a	1	1	1	a	a	1	
T.B. Gangadharan		1	1	1	1	a	1	a	1	1	1	1	1	
A. Tejeswari		a	a	1	a	a	1	1	a	1	1	1	1	
D. Afroz		1	1	a	1	1	1	1	1	1	1	1	1	
G. Gouse		1	a	1	1	1	a	1	a	1	1	1	1	
S. Afrin		1	1	a	a	1	a	1	1	a	1	1	1	
K. Harikara Rao		a	1	1	1	a	1	a	1	1	1	1	1	





**GOVERNMENT DEGREE COLLEGE**

**URAVAKONDA - 515 812**

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# DEPARTMENT OF MATHEMATICS

**STUDENTS SEMINAR RECORD 2021-22**



**Govt. Degree College: Uravakonda**



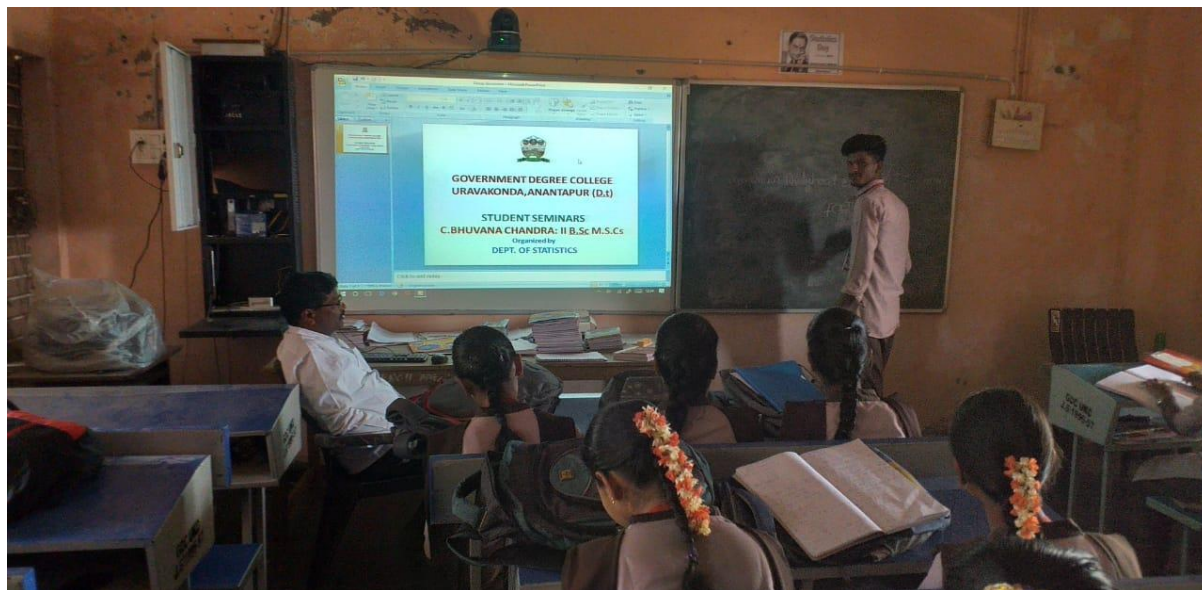
**NAAC with “B” Grade**

**Dept. of Mathematics**

**Activity: Student Seminar**

.....

<b>Name of the Student</b>	<b>C. Bhuvana Chandra</b>
<b>Group</b>	<b>B.Sc., MSCs</b>
<b>Year &amp; Semester</b>	<b>I Year, I SEM</b>
<b>Subject</b>	<b>Differential Equations</b>
<b>Topic</b>	<b>Linear Differential Equations</b>
<b>Date</b>	<b>04/01/2022</b>
<b>Name of the Lecturer</b>	<b>M. Ramesh</b>
<b>Impression</b>	<b>Average ( ) Good( ) Very Good( ) Excellent( )</b>





No	Name of the Student	Signature
1	G. pushpalatha	G. Pushpalatha
2	G. Swathi	G. Swathi
3	G. Eswari	G. Eswari
4	U. Madhavi	U. Madhavi
5	G. Malleswari	G. Malleswari
6	P. Salma	P. Salma
7	K. Giraneswari	K. Giraneswari
8	J. Sowmya	J. Sowmya
9	P. Habeeba	P. Habeeba
10	U. Sailaja	U. Sailaja
11	M. pushpalatha	M. pushpalatha
12	D. Deepthi	D. Deepthi
13	M. Nagaraju	M. Nagaraju
14	K. Charan Kumar	K. Charan Kumar
15	T. Mahesh	T. Mahesh
16	J. Rajendra	J. Rajendra
17	S. Geenu	S. Geenu
18	G. Suresh	G. Suresh
19	S. Abdul Khadeer	S. Abdul Khadeer
20	A. Mohammad Rafeeq	A. Mohammad Rafeeq

NAME :- C. Bhuvana chandna  
1<sup>st</sup> BSc [MScs] 1<sup>st</sup> Semester

## Topic :- Linear Differential Equations...

### Definition :-

A linear differential equation is defined by the linear polynomial equation, which consists of derivatives of several variables. It is also stated as linear partial differential equation when the function is dependent on variables and derivatives are partial.

— A differential equation having the above form is known as the "first-order linear differential equation" where  $p$  and  $Q$  are either constants or functions of the independent variables [in this case  $x$ ] only.

— Also, the differential equation of the form,  $\frac{dy}{dx} + py = Q$ , is a first-order linear differential equation. where  $p$  and  $Q$  are either constants or functions of  $y$  [independent variable] only.



**Govt. Degree College: Uravakonda**



**NAAC with “B” Grade**

**Dept. of Mathematics**

**Activity: Student Seminar**

<b>Name of the Student</b>	<b>K. Kavya</b>
<b>Group</b>	<b>B.Sc., MPC</b>
<b>Year &amp; Semester</b>	<b>II Year, IV SEM</b>
<b>Subject</b>	<b>Real Analysis</b>
<b>Topic</b>	<b>Continuity</b>
<b>Date</b>	<b>17/06/22</b>
<b>Name of the Lecturer</b>	<b>B. Siva Prasad</b>
<b>Impression</b>	<b>Average ( ) Good( ) Very Good( ) Excellent( )</b>



name of the student	Signature
K. Sunitha	K. Sunitha
J. Hemabatha	J. Hemabatha
P. Ramadevi	P. Ramadevi
A. Tejaswini	A. Tejaswini
B. Supraja	B. Supraja
A. Afsrentaj	A. Afsrentaj
K. Sabiya parveez	K. Sabiya parveez
P. Lakshmi	P. Lakshmi
D. Afroze	D. Afroze
V. Sindhu	V. Sindhu
K. Gowsiya	K. Gowsiya
T. Dada Jigunu	T. Dada Jigunu
K. Alroza	K. Alroza
B. Ashwan Tabin	B. Ashwan Tabin
A. Mallika	A. Mallika
B. Jyothi	B. Jyothi
G. Kumar	G. Kumar
E. Siddappa.	E. Siddappa.

# MATHS-P<sub>4</sub>

NAME:- K. Kavya

Class:- II<sup>nd</sup> year BSC (MPC)

Semester:- IV semester

## Seminar

### Topic:- Continuity

#### Continuity of a function at a point:-

Let  $S$  be an aggregate,  $f: S \rightarrow \mathbb{R}$  be a function and  $a \in S$ . ' $f$ ' is said to be continuous at ' $a$ ' from left if for each  $\epsilon > 0 \exists \delta > 0 \exists x \in S$  and  $a - \delta \leq x < a$

$\Rightarrow |f(x) - f(a)| < \epsilon$  and it denoted by  $\lim_{x \rightarrow a^-} f(x) = f(a)$

2. ' $f$ ' is said to be continuous at ' $a$ ' from right, if each  $\epsilon > 0 \exists \delta > 0 \exists x \in S$  and  $a < x < a + \delta$

$\Rightarrow |f(x) - f(a)| < \epsilon$

and it is denoted by  $\lim_{x \rightarrow a^+} f(x) = f(a)$

3. ' $f$ ' is said to be continuous at ' $a$ ' for each  $\epsilon > 0 \exists \delta > 0 \Rightarrow x \in S$  and  $0 < |x - a| < \delta$

$\Rightarrow |f(x) - f(a)| < \epsilon$

and it is denoted by  $\lim_{x \rightarrow a} f(x) = f(a)$

#### Removable discontinuity:-

if  $\lim_{x \rightarrow a} f(x)$  is exist and  $\lim_{x \rightarrow a} f(x) \neq f(a)$

Then we say that ' $f$ ' is removable discontinuity at " $a$ "

Jump discontinuity:- if L.H.C and R.H.C both are exists and not equal Then we say That ' $f$ ' is Jump discontinuity at " $a$ "

**Govt. Degree College: Uravakonda**



**NAAC with “B” Grade  
Dept. of Mathematics**

**Activity: Student Seminar**

.....

<b>Name of the Student</b>	<b>M. Srinivasulu</b>
<b>Group</b>	<b>B.Sc., MPC</b>
<b>Year &amp; Semester</b>	<b>III Year, VI SEM</b>
<b>Subject</b>	<b>Laplace Transformations</b>
<b>Topic</b>	<b>Derivatives of Laplace Transforms</b>
<b>Date</b>	<b>19/04/2022</b>
<b>Name of the Lecturer</b>	<b>B. Siva Prasad</b>
<b>Impression</b>	<b>Average ( ) Good( ) Very Good( ) Excellent( )</b>





## LAPLACE TRANSFORM I

DEFINITION:- Let a function  $F(t)$  be continuous and defined for all positive values of  $t$ . The Laplace transformation or Laplace transform of  $F(t)$  is defined by  $L[F(t)] = \int_0^{\infty} e^{-pt} F(t) dt$  where ' $p$ ' is a parameter, and the transform is denoted by  $f(p)$  or  $\bar{F}(p)$ .

THEOREM 1:- If a function  $F(t)$  is piecewise continuous on every finite interval in the range  $t \geq 0$  and satisfies  $|F(t)| < me^{at} \forall t \geq t_0$  and for some constants  $a$  and  $m$ , then the Laplace transform of  $F(t)$  exists of all  $p > a$ .

Proof:-  $L[F(t)] = \int_0^{\infty} e^{-pt} F(t) dt = \int_0^{t_0} e^{-pt} F(t) dt + \int_{t_0}^{\infty} e^{-pt} F(t) dt \rightarrow (1)$

Since  $F(t)$  is piecewise continuous on  $[0, t_0]$ , the integral  $\int_0^{t_0} e^{-pt} F(t) dt$  exists.

S.NO	Name of the student	Signature
1.	S. G. Meghamala	S. G. Meghamala
2	B. pallavi	B. pallavi
3	B. Lalesh Kumar	B. Lalesh Kumar
4	J. Raja Sekhar	J. Raja Sekhar
5	N. Lakshmi	N. Lakshmi
6	K. Naga pavani	K. Naga Pavani
7	K. Mahesh	K. Mahesh
8	M. Srunivasulu	M. Srunivasulu
9	M. Muniswamy	M. Muniswamy
10	V. Laluswamy	V. Laluswamy
11	V. Yerriswamy	V. Yerriswamy
12	P. Yerriswamy	P. Yerriswamy
13	S. Rizwana	B. Haritha
14	B. Haritha	B. Rizwana
15	B. Maruthi	B. Maruthi
16	C. G. Revathi	C. G. Revathi
17	C. Nagaveni	C. Nagaveni
18	D. Maruthi	D. Maruthi
19	D. Harishiya	D. Harishiya



**Govt. Degree College: Uravakonda**



**NAAC with “B” Grade  
Dept. of Mathematics**

**Activity: Student Seminar**

.....

<b>Name of the Student</b>	<b>K. Rajeswari</b>
<b>Group</b>	<b>B.Sc., MPCs</b>
<b>Year &amp; Semester</b>	<b>III Year, VI SEM</b>
<b>Subject</b>	<b>Laplace Transformations</b>
<b>Topic</b>	<b>First Shifting Theorem</b>
<b>Date</b>	<b>06/05/2022</b>
<b>Name of the Lecturer</b>	<b>M. Ramesh</b>
<b>Impression</b>	<b>Average ( ) Good ( ) Very Good ( ) Excellent ( )</b>



NAME : K. RATESWARI

GROUP : III - BSC

TOPIC : FIRST

SEMESTER : VI

SHIFTING THEOREM.

## LAPLACE TRANSFORM

DEFINITION : Let a function  $F(t)$  be continuous and defined for all positive values of  $t$ . The Laplace transformation of  $F(t)$  is defined by  $L[F(t)] = \int_0^{\infty} e^{-pt} F(t) dt$

where, 'p' is a parameter and the transform is denoted by -  
 $f(p)$  (or)  $\bar{F}(p)$ .

## FIRST SHIFTING THEOREM

Statement :- If  $L[F(t)] = f(p)$ , then

$$(i) L[e^{-at} F(t)] = f(p+a) \quad (ii) L[e^{at} F(t)] = f(p-a).$$

Proof : (i) By definition  $L[F(t)] = \int_0^{\infty} e^{-pt} F(t) dt$

$$L[e^{-at} F(t)] = \int_0^{\infty} e^{-pt} e^{-at} F(t) dt = \int_0^{\infty} e^{-(p+a)t} F(t) dt$$
$$= \int_0^{\infty} e^{-ut} F(t) dt \quad \text{where, } u = p+a.$$

$$= f(u) = f(p+a)$$

$$\text{Hence } L[e^{-at} F(t)] = f(p+a).$$

(ii) Similarly we can prove that

$$L[e^{at} F(t)] = f(p-a).$$

S.NO	Name of the student	Signature
1.	S. G. Meghamala	S. G. Meghamala
2	B. pallavi	B. pallavi
3	B. Lalesh Kumar	B. Lalesh Kumar
4	J. Raja Sekhar	J. Raja Sekhar
5	N. Lakshmi	N. Lakshmi
6	K. Naga pavani	K. Naga Pavani
7	K. Mahesh	K. Mahesh
8	M. Srunivasulu	M. Srunivasulu
9	M. Muniswamy	M. Muniswamy
10	V. Laluswamy	V. Laluswamy
11	V. Yerriswamy	V. Yerriswamy
12	P. Yerriswamy	P. Yerriswamy
13	S. Rizwana	B. Haritha
14	B. Haritha	B. Rizwana
15	B. Maruthi	B. Maruthi
16	C. G. Revathi	C. G. Revathi
17	C. Nagaveni	C. Nagaveni
18	D. Maruthi	D. Maruthi
19	D. Harishiya	D. Harishiya



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DEPARTMENT OF MATHEMATTICS

GROUP DISCUSSION

2021-22

II BSc., MPC, MPCs, MSCs, I SEMESTER



## **GROUP DISCUSSION- AN IMPORTANCE**

A Group Discussion is a group of individuals, typically who share a similar interest, who gather either formally or informally to discuss ideas, solve problems, or make comments. A group discussion is a **discussion between a group of participants on a given subject**. It typically forms a part of the selection process used by organisations and educational institutions. The candidates talk about the given topic to present facts, opinions and conclusions. Group discussion also tells about how candidates behave, participate and contribute in a group.

Group discussion plays an important role in a student's life. Group discussions in the classroom are not only useful for a student's social skills but also improve their educational development.

### **Benefits of GD in a student's life**

- **Enhance Critical Thinking:** Group discussion is used in a classroom to improve learning, asking open-ended questions will encourage critical thinking and help students think for themselves
- **Help with Understanding:** Group discussion use to help students to understand a topic or concept deeply which will stay for a long time in their minds.
- **Improve Communication Skills:** It is also used to improve communication skills as it can encourage students to become more confident in speaking up and asking questions. This will help them improve their communication in the long run because it should make them more confident to ask if they're stuck and need help.
- **Improve Interest in Lessons:** It improves learning, as group discussion invites the students to be the speakers. This helps students as it can maintain their focus and concentration to hear another voice instead of listening to the same teacher, which holds their attention.
- **Provide the Feedback:** When learners discuss and explain the concepts to each other aloud in a group, it helps the teacher to hear if they have learnt a concept or not. This is a perfect feedback on teaching. It means that, if the teacher sees that they don't understand something clearly, they can help them by stepping in and adding some more.



## **Objectives of GD's**

Group discussion generates a creative thinking in all participants, something beyond the understandable answers and explanation to a specific topic.

- 
- It provides more ideas and a strategic presentation of a topic.
- 
- Improves confidence in public speaking platform
- 
- It is a good way to engage the participants in a fruitful discussion
- 
- GDs Allows thoughtful and in-depth understanding of the subject.
-

GOVERNMENT DEGREE COLLEGE, URAVAKONDA

DEPARTMENT OF MATHEMATICS

GROUP DISCUSSION

TOPIC: NATIONAL EDUCATION POLACY 2022

DATE:23/06/22

GROUP - A

S.No	Name if the Student	Group	signature
1	J. Mahesh	II MPCs	J. Mahesh
2	K. Gowsiya	II MPCs	K. Gowsiya
3	B. Rudraiah	II MSCs	B. Rudraiah
4	E. Siddappa	II MPC	E. Siddappa
5	K. Charn Kumar	III MPCs	K. Charn Kumar

GROUP -B

S.No	Name if the Student	Group	signature
1	B. Ashwan Jabin	II MPCs	B. Ashwan Jabin
2	K. Anitha	II MPCs	K. Anitha
3	T. Jayasree	II MPCs	T. Jayasree
4	A. Tejaswani	II MPCs	A. Tejaswani
5	P. Ramadevi	II MPC	P. Ramadevi

GROUP - C

S.No	Name if the Student	Group	signature
1	A. Afrin Taj	II MPCs	A. Afrin Taj
2	T. Dada Jigunu	II MPCs	T. Dada Jigunu
3	A. Mallika	II MSCs	A. Mallika
4	B. Jyothi	II MSCs	B. Jyothi
5	B.M. Bharathi	II MSCs	B.m. Bharathi

GROUP - D

S.No	Name if the Student	Group	signature
1	B. Lakshmi Prasad	II MSCs	B. lakshmi prasad
2	D. Pavan Kumar	II MSCs	D. Pavan Kumar
3	K. chandu Prakash	II MSCs	K. chandu prakash
4	M. Ramanjineyulu	II MPCs	m Ramanjineyulu
5	C. Narendra Babu	II MPC	C. Narendra Babu

GROUP - E

S.No	Name if the Student	GROUP	signature
1	D. Saritha	II MPC	D. Saritha
2	J. hemalatha	II MPC	J. hemalatha
3	K. Sunitha	II MPC	K. Sunitha
4	K. Kavya	II MPC	K. Kavya
5	P. Lakshmi	II MPC	P. Lakshmi

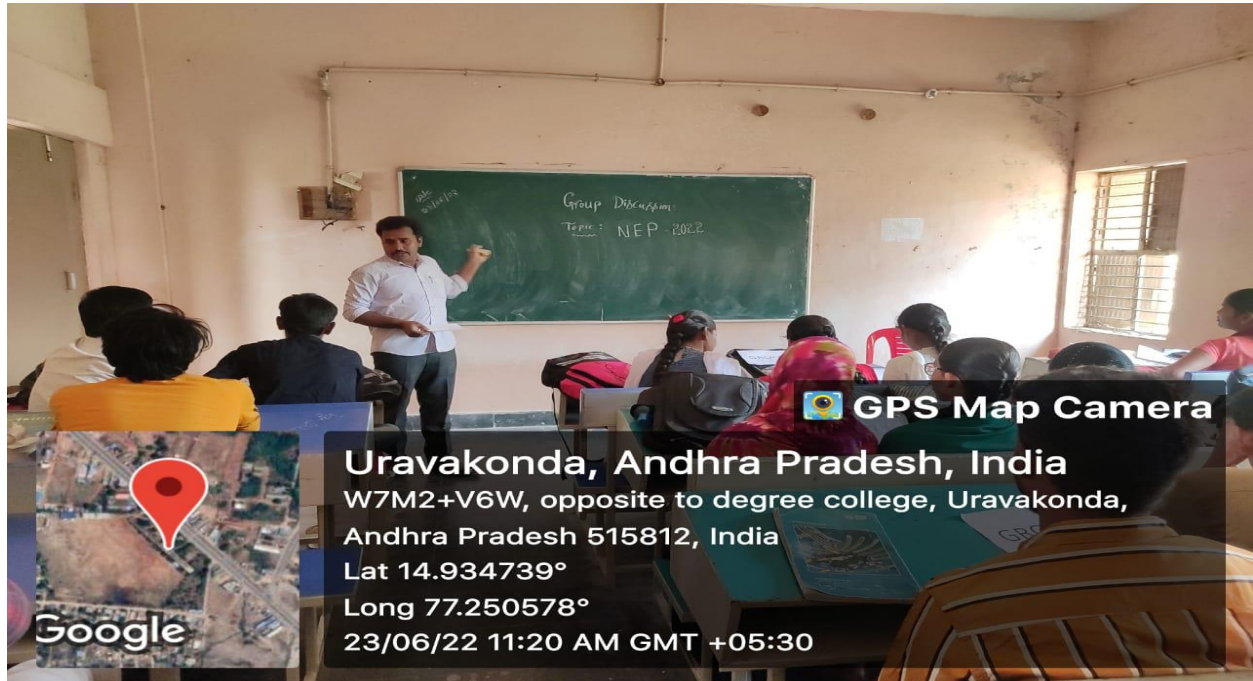
Winners – Group – E

Signature of the Lecturer



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# **GOVERNMENT DEGREE COLLEGE**

## **URAVAKONDA - 515 812**

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### **Student Feedback**

It can help to create a more inclusive and effective learning environment for the students- D.  
Saritha, II MPC

It can benefit to learn something new from the discussion and it help the students to understand  
the topic in better way- K. Gowsiya II MPCs

It can help to worked well together as a group and also able to build on each other's ideas- B.  
Rudraiah II MSCs