

DEPARTMENT OF ZOOLOGY
STSN GOVT. DEGREE COLLEGE, KADIRI.

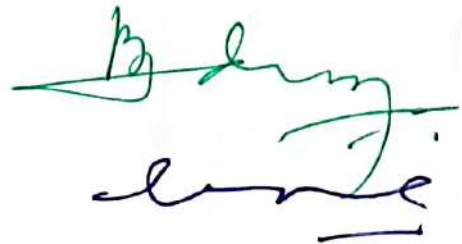
CERTIFICATE COURSE
IN
CLINICAL PATHOLOGY

RESOLUTION

DATE:01-09-2020

It is resolved that the department of zoology unanimously decided, to conduct a 30 days certificate Course in clinical pathology for the final year B.sc .B.Z.C&C.Z.S students of this college. The course schedule will be from 1st of sept, 2020 to 30th of sept 2020. After successful completion of course an online examination should be conducted in clinical pathology for both theory & practical and distribution of E-certificates to the students. The course syllabus is attached to this copy.

Faculty of Zoology

The block contains two handwritten signatures. The top signature is written in green ink and is highly stylized, appearing to start with a large 'B'. The bottom signature is written in black ink and is also stylized, appearing to start with a 'C'.

**STSN GOVERNMENT DEGREE COLLEGE :: KADIRI
ANANTAPURAMU DISTRICT, AP.
DEPARTMENT OF ZOOLOGY
CERTIFICATE COURSE IN CLINICAL PATHOLOGY**

Department of Zoology prestigiously introduced one month certificate course in clinical pathology during COVID-19 pandemic period. This course may be useful for students about practical aspects of clinical pathological techniques. The Student will get exposure of handling and processing pathology, clinical pathology, immunology, microbiology, biochemistry and transfusion medicine samples with knowledge. This course may be useful to the students in their daily life and health aspects.

Course Objectives

- Students will get knowledge of clinical pathology practices required for diagnosis of various ailments.
- Students will be capable of pursue clinical and laboratory based practical's.
- Students able to learn the hematological parameters and their standard values.
- Students can inculcate the importance of health and hygienic in their daily life.
- To give in-depth knowledge about blood parasites and causing diseases and remedies.
- Students can select suitable diagnostic tools / tests for particular disease.

Course Outcomes

After completion of the course student will be able to do:

- Apply knowledge and skills of clinical pathology.
- Identify pathological processes and correlating these with the clinical symptoms and signs.
- Demonstrate skills for effective communication of the diagnosis to the medical professionals as well as to patients.
- Verifying the accuracy of laboratory results.
- Develop awareness among all the people /society.
- Apply this knowledge to their future studies.

STSN GOVERNMENT DEGREE COLLEGE KADIRI

DEPARTMENT OF ZOOLOGY

CERTIFICATE COURSE IN CLINICAL PATHOLOGY

Duration: 1 month

Unit: 1

6 hours

రక్త అనుఘటనం- రక్త వ్యాధులు- అనీమియా- లుకేమియా -థాలిసీమియా-రక్త సముదాయాలు-రక్త సముదాయాల అనువంశికత -వివిధ రక్త పరీక్షలు- రక్త దానం- బ్లడ్ బ్యాంకులు-నిర్వహణ-రక్తం నిల్వ చేసే విధానం- రక్త స్కందనం

Unit: 2

6 hours

పరాన్నజీవులు -రకాలు -మలేరియా- మలేరియా పరాన్నజీవి జీవిత చరిత్ర - చికిత్స- బోదకాలు-పుచరెరియా జీవిత చరిత్ర- చికిత్స -టీనియా సోలియం- ఫాషియాలా హెపాటిక-ఆస్కారిస్

Unit: 3

6 hours

బాక్టీరియా వ్యాధులు- వైరల్ వ్యాధులు- ప్రోటోజోవస్ వ్యాధులు-అనువంశిక వ్యాధులు- కాన్సర్లు- రకాలు- లక్షణాలు- కరోనా వ్యాప్తి- సంక్రమణ- అవగాహన- ఎయిడ్స్- సంక్రమణ- అవగాహన

Unit: 4

6 hours

PCR టెక్నిక్ - ఎలిసా- వెస్ట్రన్ బ్లాట్ - సదరస్ బ్లాట్- ఎలెక్ట్రోఫోరీసిస్- ప్రథమ చికిత్స-భారతీయ వైద్య విధానాలు- పద్ధతులు

Unit: 5

6 hours

వ్యాధి నిరోధక వ్యవస్థ- వ్యాధి నిరోధక వ్యవస్థ లోని కణాలు- స్వీయ అసాంక్రామ్యత-టీకాలు-హైపర్ సెన్సిటివిటీ

LIST OF RESOURCE PERSONS.

1)Prof .J.S.Prakash
Prof. of Biotechnology
University of Hyderabad
Hyderabad .T.S

3).Dr.B.Sreedevi
Lecturer in Zoology
Govt.College(A)
Ananthapuramu

5).Dr.G.Rajasekhar
Lecturer in Zoology
Govt.college(A)
Ananthapuramu

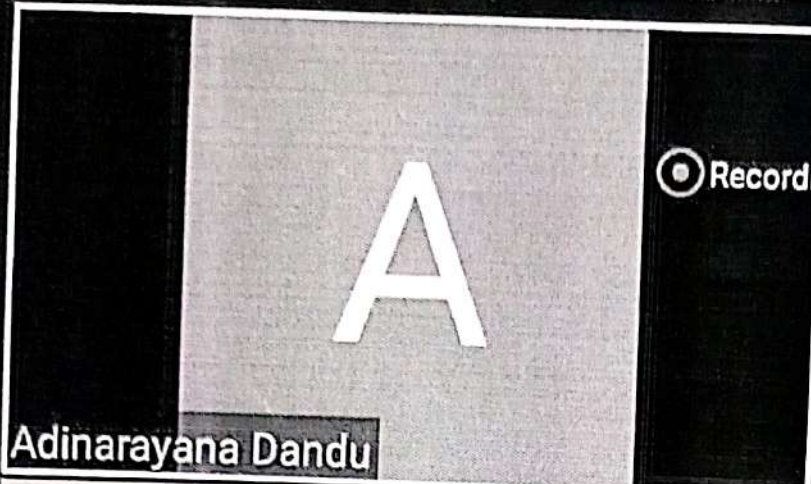
2).G.L.N.Prasad
HOD,Dept.of Zoology
Govt. College(A)
Ananthapuramu.

4).Dr.B.Prabhavathi
Lecturer in Zoology
Govt.College(A)
Ananthapuramu.

6).Dr.P.Giridhar
Lecturer in Zoology
Govt.Degree college
Kalyandurg

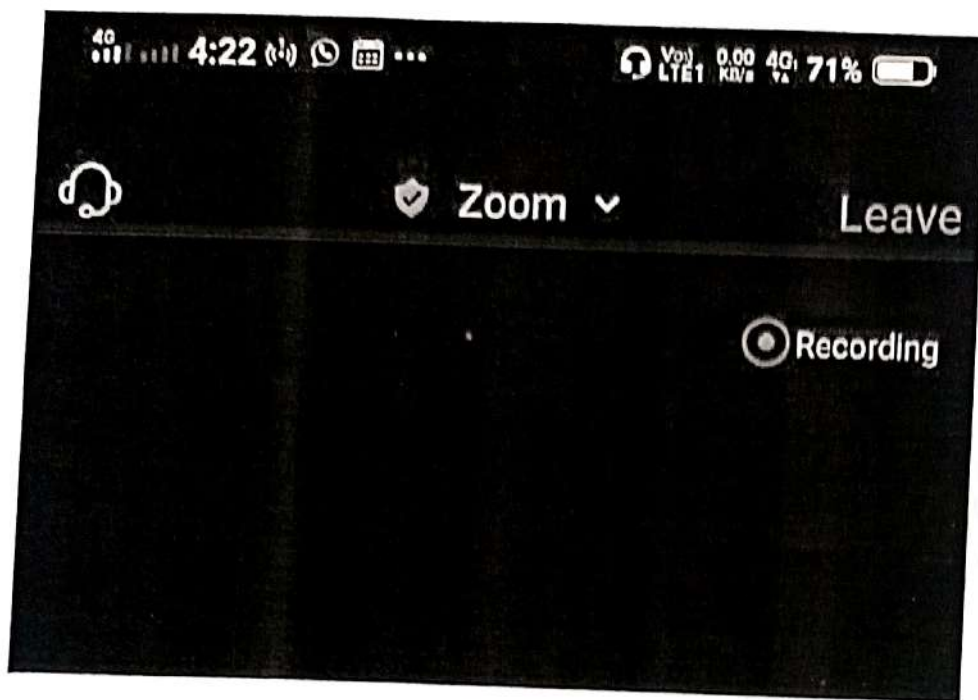
Certificate course-Timetable.

S.no	Date	Topic covered	Name of the Resource person
1	01.09.2020	Composition of Blood	Sri. G.L.N. Prasad
2	02.09.2020	Blood diseases	Sri. G.L.N. Prasad
3	03.09.2020	Blood groups -Inheritance	Sri. G.L.N. Prasad
4	04.09.2020	Blood tests and blood banks	Sri. G.L.N. Prasad
5	07.09.2020	Blood coagulation	Sri. G.L.N. Prasad
6	08.09.2020	Types of parasites,Lifecycle of Plasmodium and Clinical importance	Dr.P. Giridhar
7	09.09.2020	Wuchereria,Taenia solium	Dr.P.Giridhar
8	10.09.2020	Fasciola hepatica lifecycle and Clinical importance	Dr.P.Giridhar
9	11.09.2020	Bacterial diseases	Dr.B.Prabhavathi
10	14.09.2020	Virus and Protozoan diseases	Dr.B.Prabhavathi
11	15.09.2020	Genetical diseases and types of cancer	Dr.B.Prabhavathi
12.	16.09.2020	Corona and AIDS - Contamination and awareness	Dr.D.Adinarayana
13	17.09.2020	P C R	Prof.J.S.Prakash
14	18.09.2020	ELISA	Prof.J.S.Prakash
15	21.09.2020	Western blot ,Electro phoresis	Dr.G.Rajasekhar
16	22.09.2020	First aid- Indian medical treatment methods	Dr.G.Rajasekhar
17	23.09.2020	Types of immunity	Dr.B.Sreedevi
18	24.09.2020	Cells of immune system	Dr.B.Sreedevi
19	25.09.220	Organs of immune system	Dr.B.Sreedevi
20	26.09.2020	Auto immune diseases	Dr.B.Sreedevi
21	29.09.2020	Types of vaccines-functions	Dr.B.Sreedevi
22	30.09.2020	Hypersensitivity	Dr.B.Sreedevi

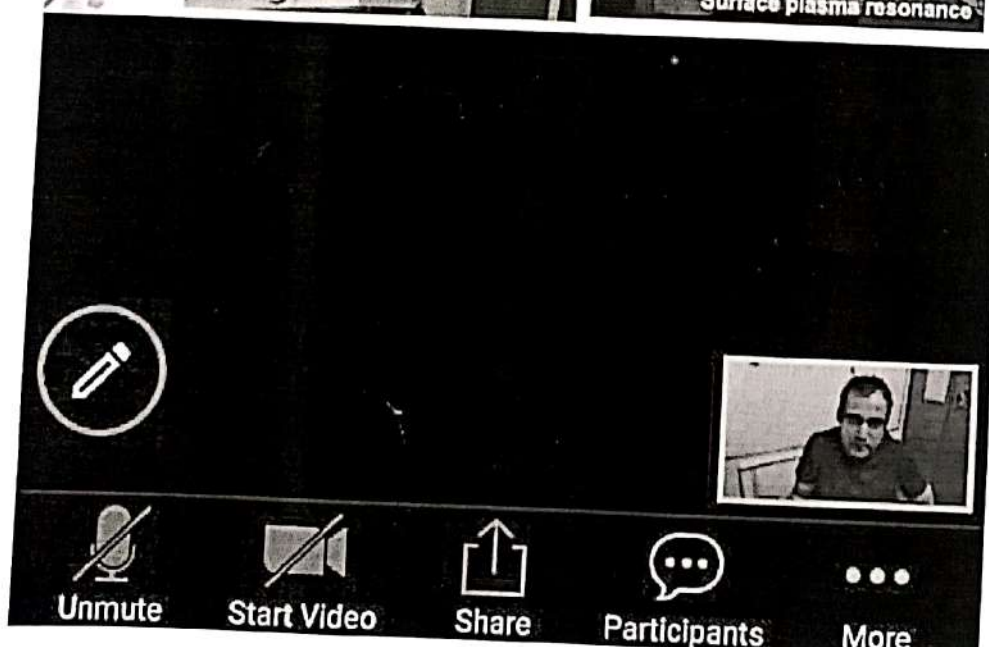
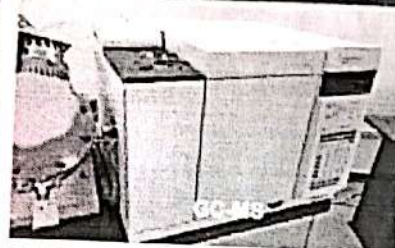


Recording






























Genomics / Proteomics / metabolomics facility in School of Life Science

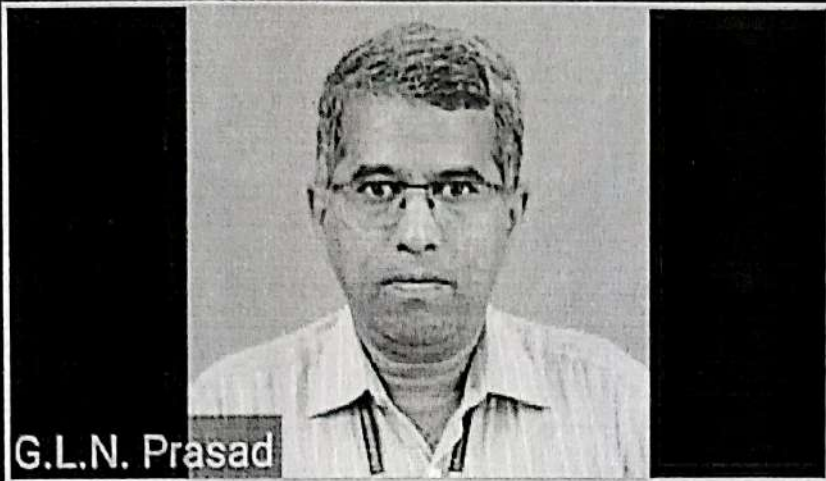


Close Participants (29)

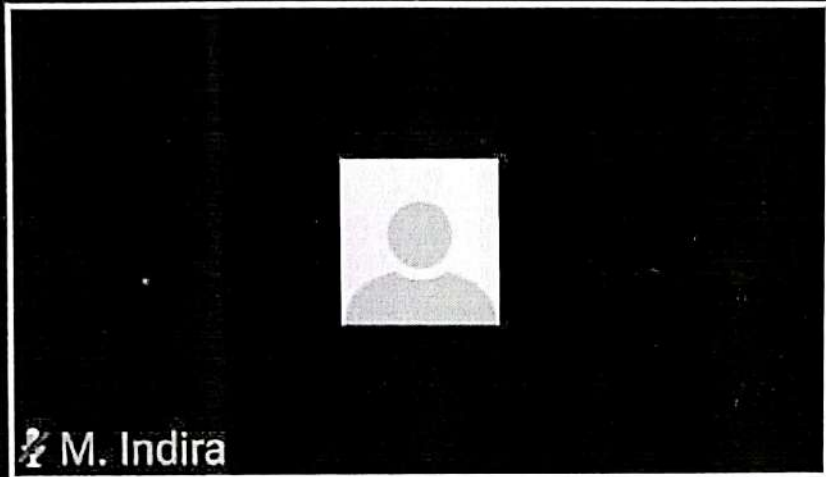
Search

- A** Adinarayana Dandu (me)   >
-  G.L.N. Prasad (host)   >
- OA** OPPO A5s   >
- 7** 76725737370   >
- 7** 7DNUMG   >
- AL** A. Lakshmidevi   >
- AK** Anusha kalvapalli   >
- AA** Anwar Anwar   >
- BS** B. Sivanandini   >
- BS** Bandi Sravani   >
- C** Bhagya   >
- HY** Haritha vadav   >

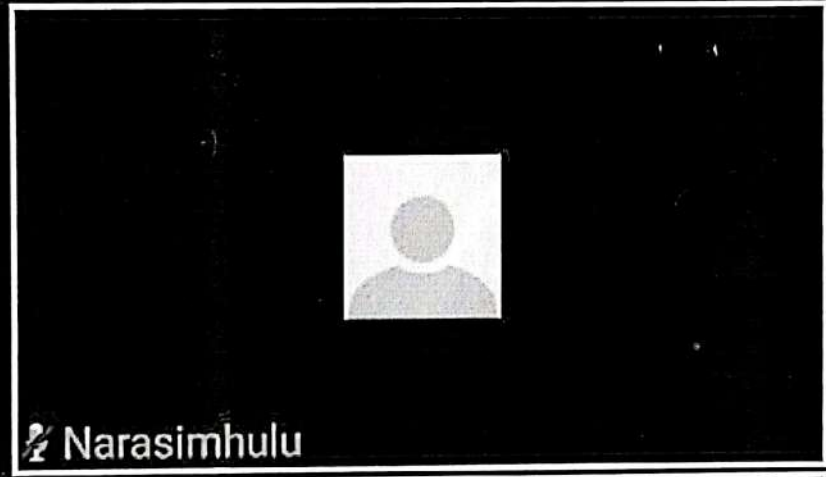
Invite



G.L.N. Prasad



M. Indira



Narasimhulu



Praveen Raavan

A

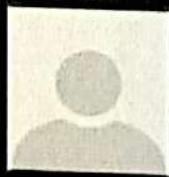
Adinarayana Dandu



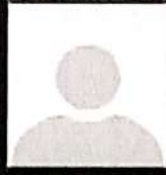
sreedevi basireddy



Pr Viswa



Narasimhulu



Lakshmi prasanna



Murali BOGE



K.swarna



Pr Viswa



Zoom

Leave

A

Adinarayana Dandu



prabhavathi B



OPPO A5s



B. Sivanandini



Unmute



Start Video



Share



Participants



More



STSN GOVERNMENT DEGREE COLLEGE

Kadiri, Anantapuramu Dt. AP.


Re-Accredited With 'B' Grade By NAAC

DEPARTMENT OF ZOOLOGY

CERTIFICATE OF COURSE COMPLETION



This is to certify that Kiran Kumar, Degree 2 year, SKU government college has successfully completed 30 days online certificate course on "Clinical pathology" Organised by Department of Zoology, STSN Government Degree College, Kadiri from 01.09.2020 to 30.09.2020.


Dr. D. Adinarayana
HOD, Dept. of Zoology
Course coordinator


C. Lakshmi Reddy
Lecturer in Zoology


K. Aravinda Reddy
Lecturer in Zoology


Dr. S. Smitha
PRINCIPAL

STSN GOVT DEGREE COLLEGE :: KADIRI, ANANTAPURAMU DIST. AP. DEPARTMENT OF ZOOLOGY- QUIZ

Dr. D. ADI NARAYANA
Lecturer in Zoology.

Certificate course on clinical pathology

* Required

Email address *

Your email

Name of the participant *

Your answer

Class / Designation *

Your answer

Name of the College *

Your answer



1. Study of Blood is called *

2 points

- Hematology
- Genetics
- Physiology
- Cytology

2. Life span of red blood cells *

2 points

- 120 hrs
- 120 days
- 100 days
- 110 days

3. Metal in the human blood. *

2 points

- Cu
- Ag
- Hg
- Fe

4. Following is the example for blood disease *

2 points

- Anemia
- Thyroidism
- Typhoid
- none

5. Blood cells which helps in blood coagulation *

2 points

- RBC
- WBC
- Platelets
- None

6. Which parasite causes Malaria *

2 points

- Plasmodium
- Entameoba
- Taenia
- None

7. Larva of Wucheraria *

2 points

- Redia
- Microphilaria
- Both A&B
- None

8. Symptoms of Ameobiasis *

2 points

- Ameobic Dysentery
- Watery & Bloody stools
- Severe stomachache
- All

9. Diagnosis tests for corona / covid-19 *

2 points

- RT-PCR
- Anti body test
- Both A&B ✓
- None

10. Medicines/Drugs used for covid-19 *

2 points

- Hydroxy chloroquine
- Azithromycin
- Paracetamol
- All the above ✓

11. Symptoms of corona *

2 points

- Fever
- Dry cough
- Sore throat
- All ✓

12. Screening test for HIV /AIDS *

2 points

- ELISA ✓
- Western blot
- PCR
- None

13. Which of the following is bacterial disease *

2 points

- Small pox
- Cholera
- Mums
- All

14. Who invented PCR *

2 points

- Crick
- Darwin
- Thomson
- Kary mullis

15. Father of immunology *

2 points

- Lamark
- Mendel
- Edward jenner
- None

16. Cells of immune system *

2 points

- B-lymphocytes
- T-lymphocytes
- NK-Cells
- All Of the above

17. Which vaccine is used for Tuberculosis *

2 points

- BCG ✓
- Polio
- Hepatitis
- DPT

18. Find the Genetical disease(s) *

2 points

- Sickle cell anemia
- Hemophilia
- Both A&B ✓
- Taeniasis

19. Use of SDS-PAGE Electrophoresis *

2 points

- Protein Separation ✓
- DNA Separation
- RNA separation
- None

20. Which type of hyper sensitivity reaction causes rapid anaphylaxis in response to allergen * 2 points

- Type-I ✓
- Type-II
- Type-III
- Type-IV

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ONLINE CERTIFICATE COURSE
Certificate issue register

Department of Zoology

SNO	STUDENT NAME	GROUP	YEAR	SEMESTER	SIGNATURE
1.	Shaik. Roshini	B2c	<u>III</u>	<u>V</u>	S. Roshini
2.	A. Himasekhar	B2c	<u>III</u>	<u>V</u>	A. Himasekhar
3.	C. Malleswari	B2c	<u>III</u>	<u>V</u>	C. Malleswari
4.	D. Swetha	B2c	<u>III</u>	<u>V</u>	D. Swetha
5.	K. Anush	B2c	<u>III</u>	<u>V</u>	K. Anush
6.	P. Mounika	B2c	<u>III</u>	<u>V</u>	P. Mounika
7.	U. Vanaja	B2c	<u>III</u>	<u>V</u>	U. Vanaja
8.	S. Aysha	B2c	<u>III</u>	<u>V</u>	S. Aysha
9.	S. Venugopal	B2c	<u>III</u>	<u>V</u>	S. Venugopal
10.	V. Bhaskar	B2c	<u>III</u>	<u>V</u>	V. Bhaskar
11.	D. Prema latha	B2c	<u>III</u>	<u>V</u>	D. Prema latha
12.	C. Sai Teja	B2c	<u>III</u>	<u>V</u>	C. Sai Teja
13.	J. Hareetha	B2c	<u>III</u>	<u>V</u>	J. Hareetha
14.	J. Lavanya	B2c	<u>III</u>	<u>V</u>	J. Lavanya
15.	K. Jyothi	B2c	<u>III</u>	<u>V</u>	K. Jyothi
16.	U. Kiran Kumar	B2c	<u>III</u>	<u>V</u>	U. Kiran Kumar
17.	P. Chaitra	B2c	<u>III</u>	<u>V</u>	P. Chaitra
18.	V. Chandrakala	B2c	<u>III</u>	<u>V</u>	V. Chandrakala
19.	V. Reddamma	B2c	<u>III</u>	<u>V</u>	V. Reddamma
20.	M. Prasanthe	B2c	<u>III</u>	<u>V</u>	M. Prasanthe

B. D. M. J.

ONLINE CERTIFICATE COURSE
Certificate issue register

SNO	STUDENT NAME	GROUP	YEAR	SEMESTER	SIGNATURE
21	Shaik. Sahel	B2C	<u>III</u>	<u>V</u>	S. Sahel
22	K. Vijay Kumar	B2C	<u>III</u>	<u>V</u>	K. Vijay Kumar
23	K. Sai nath	B2C	<u>III</u>	<u>V</u>	K. Sai nath
24	P. Balu	B2C	<u>III</u>	<u>V</u>	P. Balu
25	J. Jyothi	B2C	<u>III</u>	<u>V</u>	J. Jyothi
26	N. Shilpa	B2C	<u>III</u>	<u>V</u>	N. Shilpa
27	N. praveenkumar	B2C	<u>III</u>	<u>V</u>	N. Praveen
28	N. Lakshmi prasanna	B2C	<u>III</u>	<u>V</u>	N. Lakshmi Prasanna
29	Y. Haritha	B2C	<u>III</u>	<u>V</u>	Y. Haritha
30	T. Purushotham	B2C	<u>III</u>	<u>V</u>	T. Purushotham
31	A. Varalakshmi	B2C	<u>III</u>	<u>V</u>	A. Varalakshmi
32	N. Kalpana	B2C	<u>III</u>	<u>V</u>	N. Kalpana
33	N. Lakshmi prasanna	B2C	<u>III</u>	<u>V</u>	N. Lakshmi Prasanna

B. J. J.