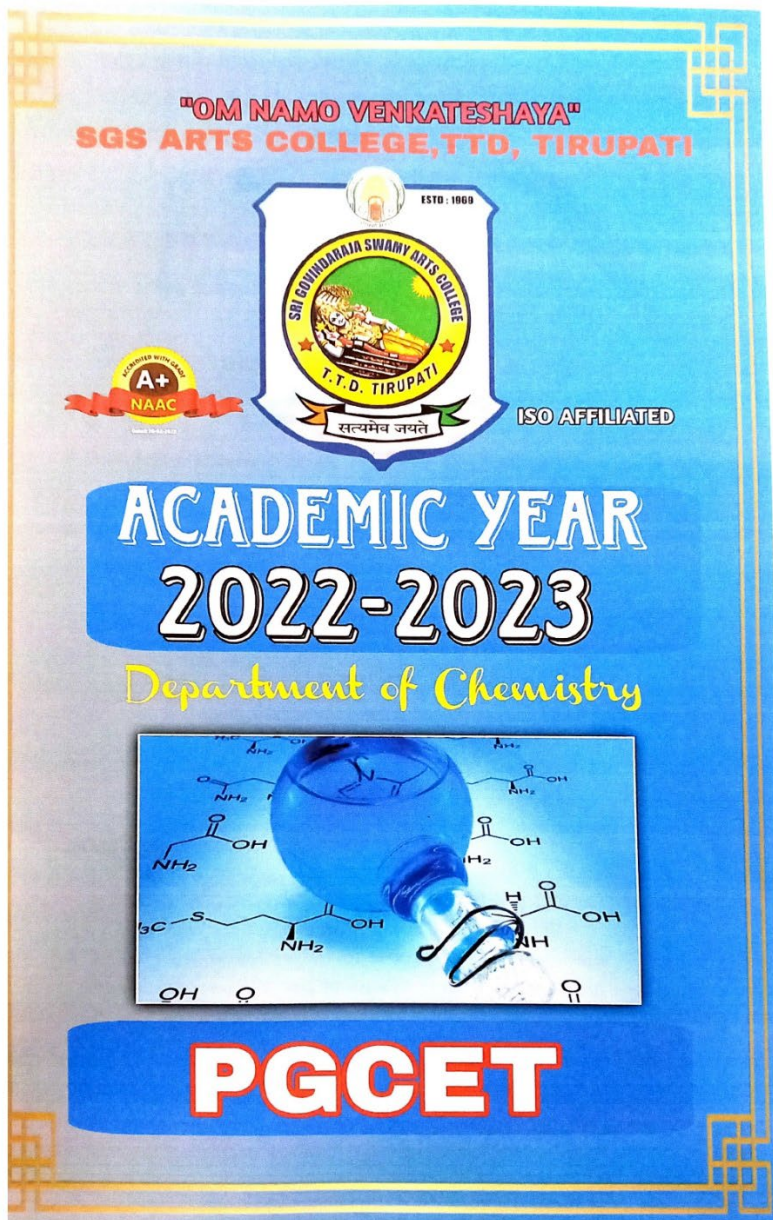


## Coaching for competitive examination

The College has conducted coaching for competitive examinations to promote the employability of the students.



Phone: (0877) 2264599  
Web:sgsac.edu.in

E-mail:sgsartscollegetttd@gmail.com

TIRUMALA TIRUPATI DEVASTHANAMS  
**S.G.S. ARTS COLLEGE**  
Tiruchanur Road, TIRUPATI-517501

**Sri. D. Parameswara,**  
HOD of Chemistry,



**DEPARTMENT OF CHEMISTRY**

**CIRCULAR**

04-01-2023

**S.G.S A.C / Chem / 2023**

The faculty members of department of chemistry are informed that there will be a staff meeting at 9.00 A.M in the HOD chamber on 04-01-2023 to discuss about P.G CET coaching to be conducted for the final year students for the academic year 2022-23.

S.No.	Name of the Faculty	Mobile No.	Signature
1	Sri D. Parameswara	9490728655	
2	Dr. V. Venkata Lakshmi	9492075161	
3	Smt. P.Srujana	7382419232	
4	Dr. P. Suguna	7989925972	
5	Smt. K. Revathi	9177721917	

**AGENDA:**

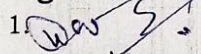
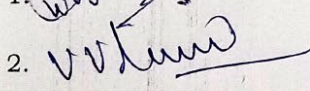
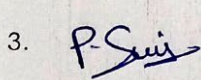
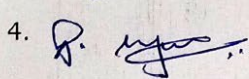
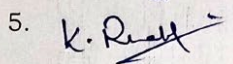
- To discuss about of P.G CET coaching to be conducted for the final year students for the academic year 2022-23.
- To finalize schedule for the P.G CET coaching
- To finalize timetable for the P.G CET coaching
- To discuss workload distribution for the P.G CET coaching

**MINUTES:**

- ❖ The faculty members discussed the schedule and timetable for the P.G CET coaching and made the following resolutions unanimously.
- ❖ It was planned to conduct P.G CET coaching for the final year students in the third week of January 2023.
- ❖ Sri. D. Parameswara was made Coordinator for P.G CET coaching.
- ❖ The workload distribution for the P.G CET was as shown.
- ❖ It was planned to conduct P.G CET coaching classes for 1 hour 30 minutes per day from 8.15 A.M to 9.45 AM.

S.No	Name of the Faculty	Subject	No of Hours
1	Sri D. Parameswara	Organic chemistry	9
2	Dr. V. Venkata Lakshmi	Physical chemistry	9
3	Smt. P. Srujana	General chemistry	11
4	Dr. P. Suguna	Inorganic chemistry	11
5	Smt. K. Revathi	Organic chemistry	11

**Signatures:**

1. 
2. 
3. 
4. 
5. 



## **Permission letter**

05-01-2023

**From**

HOD, Dept of chemistry,  
S.G.S Arts College,  
Tirupati.

**To**


**The Principal,**  
S.G.S Arts College,  
Tirupati.

**Respected Sir,**

**Sub:** Request for permission to conduct coaching  
classes for P.G  
CET -Reg.

We have planned to conduct coaching classes for P. G  
CET in chemistry for the final year students of B.Sc. with  
chemistry combination from the third week of January 2023.  
The coaching classes enable the students to perform better  
in P.G CET and other entrance examinations conducted for  
admission into M.Sc. So, please permit us to conduct the  
side coaching classes.

Thanking you

Yours faithfully  
  
**HEAD  
DEPARTMENT OF CHEMISTRY  
S. G. S. ARTS COLLEGE  
TIRUPATHI**




## **INTIMATION**

**SGSAC/ Chem dept/PGCET 2018/HOD/01**

**07-01-2023**

All the final year students of B.Sc. with chemistry combination are informed that coaching for P.G CET has been scheduled to commence from 23-01-2023. The classes are conducted for 1hour 30 minutes per day from 8.15 A.M to 09.45 A.M in room number 129. So, the interested students are instructed to enroll their names on or before 20-01-2023.

H.O.D of the Department

  
**HEAD**  
**DEPARTMENT OF CHEMISTRY**  
**S. G. S. ARTS COLLEGE**  
**TIRUPATHI**

**To**

1. All teaching staff of chemistry  
Department for circulation.
2. Department noticeboard .

**DEPARTMENT OF CHEMISTRY**  
**PGCET COACHING : STUDENT NAME LIST**

Role No.	CLASS	NAME OF THE STUDENT	SIGNATURE
20520	MPC	K.Girikumar	K. Girikumar
20530	MPC	C.Kartheek	C. Kartheek
20534	MPC	G.Mahesh	G. Mahesh
20922	BBC	G.Divyabharathi	G. Divya Bharathi
20927	BBC	D.Indira Mythri	D. Indira Mythri
20932	BBC	T.Kushwanth	T. Kushwanth
20934	BBC	P.Leena	P. Leena
20938	BBC	N.Nagaroshini	N. Nagaroshini
20941	BBC	O.Pavan kumar Raju	O. Pavan Kumar Raju
20945	BBC	T.Ravikumar	T. Ravikumar
20954	BBC	B.Vidyavathi	B. Vidyavathi
20956	BBC	C.Vijay Bramha	C. Vijay Bramha.
20875	CBZ	M.Chaithanya	M. chaithanya.
20889	CBZ	C.Mohan	C. Mohan
20892	CBZ	B.Pavan Kalyan	B. Pavan Kalyan.
20971	MZC	S.Avinash	S. Avinash.
20979	MZC	M.Gowtham naik	M. Gowtham naik
20982	MZC	D.Harshitha	D. Harshitha
20986	MZC	G.Lokanadham	G. Lokanadham
20987	MZC	M.Kuswanth Kumar	M. Kuswanth Kumar

  
**HEAD**  
**DEPARTMENT OF CHEMISTRY**  
**S. G. S. ARTS COLLEGE**  
**TIRUPATHI**



**DEPARTMENT OF CHEMISTRY**  
**PGCET COACHING PLAN**  
**PROGRAMME SCHEDULE: (Daily 1HRS 30 Minutes)**  
**VENUE : Room No.129**

Date	Time	Topic	Faculty in charge
23.01.2023	8.15-9.45	s-block elements	Dr.P.Suguna
24.01.2023	8.15-9.45	Structural theory in organic chemistry	Sri.D.Parameswara
25.01.2023	8.15-9.45	P-Block elements	Dr.P.Suguna
27.01.2023	8.15-9.45	Hydrocarbons	Sri.D.Parameswara
28.01.2023	8.15-9.45	Organo metallic compounds	Dr.P.Suguna
30.01.2023	8.15-9.45	Hydro carbons	Sri.D.Parameswara
31.01.2023	8.15-9.45	d-block elements	Dr.P.Suguna
01.02.2023	8.15-9.45	Hydro carbons	Sri.D.Parameswara
02.02.2023	8.15-9.45	f-block elements	Dr.P.Suguna
03.02.2023	8.15-9.45	Halogen compounds ,Hydroxy compounds	Sri.D.Parameswara
04.02.2023	8.15-9.45	Chromatography	Dr.V.Venkatalakshmi
05.02.2023	8.15-9.45	Colloidal Solutions	Smt.P.Srujana
06.02.2023	8.15-9.45	Carbonyl compounds	Smt. K.Revathi
07.02.2023	8.15-9.45	Metal carbonyls	Dr.P.Suguna
08.02.2023	8.15-9.45	Carboxylic acids	Smt. K.Revathi
09.02.2023	8.15-9.45	Co-ordination chemistry	Smt.P.Srujana
10.02.2023	8.15-9.45	Carbohydrates	Sri.D.Parameswara
11.02.2023	8.15-9.45	Gaseous State	Dr.V.Venkatalakshmi
12.02.2023	8.15-9.45	Spectrophotometry	Smt.P.Srujana
13.02.2023	8.15-9.45	Molecular Spectroscopy	Smt.P.Srujana



14.02.2023	8.15-9.45	Amino acids & Nitro compounds	Smt. K.Revathi
15.02.2023	8.15-9.45	Electro Chemistry	Dr.V.Venkatalakshmi
Date	Time	Topic	Faculty in charge
16.02.2023	8.15-9.45	Amino acids & Nitro compounds	Smt. K.Revathi
17.02.2023	8.15-9.45	Analytical chemistry	Dr.V.Venkatalakshmi
19.02.2023	8.15-9.45	Separation Techniques	Smt.P.Srujana
19.02.2023	9.45-11.15	Pericyclic Reactions Asymmetric Synthesis	Smt. K.Revathi
20.02.2023	8.15-9.45	Hetero cyclic compounds	Smt. K.Revathi
21.02.2023	8.15-9.45	Thermodynamics	Dr.V.Venkatalakshmi
22.02.2023	8.15-9.45	Chemical Kinetics	Dr.V.Venkatalakshmi
23.02.2023	8.15-9.45	Photo Chemistry	Smt.P.Srujana
29.01.2023	8.00-10.00	Test I	Smt.P.Srujana
05.02.2023	10.00-12.00	Test II	Smt. K.Revathi
26.02.2023	8.00-11.00	Grand Test	Dr.P.Suguna

*V.Venkatalakshmi*

**S.G.S ARTS COLLEGE: TIRUPATI**  
**DEPARTMENT OF CHEMISTRY**  
**PGCET COACHING FOR THE ACADEMIC YEAR 2022-23**  
**NOTICE**

**25-01-2023**

**Students of PGCET coaching are informed  
that the test schedule for PGCET coaching is as  
shown below.**

**Test-1 : 29-01-2023**  
**Test-2 : 05-02-2023**  
**Grand test : 26-02-2023**

*Volund*

**S.G.S ARTS COLLEGE**  
**STUDENT FEED BACK REPORT**

**STUDENT FEED BACK FORM:**

**Date:**

**Academic year: 2022-23**

**Semester: V**

**Name of the programme :**

**Coaching for PG CET**

**Department: Chemistry**

If you have attended our PG CET coaching classes we encourage you to submit feedback for us. This will help us to improve our future sessions and better meet the needs of our faculty.

S.NO	CRITERIA	RATING				
1	Content of the programme	Very poor	Poor	Average	Good	Excellent
2	Presentation style & delivery	Very poor	Poor	Average	Good	Excellent
3	Was it motivating	Very little	Less	Average	Lots	Too much
4	was the time given for questions	Very little	Less	Average	Lots	Too much
5	Was it useful for future	Very useless	Useless	Average	Useful	Very much
6	To What extent you have learnt from this programme	Very little	Less	Average	Lots	Too much
7	What is your all rating to this programme	Very poor	Poor	Average	Good	Excellent

**General Comments:**

It has motivated me to study well.

**Students Signature:**

**Date:** 02-03-2023

1. G. Mahesh

2. C. Mohan



ADVANCE LEARN

# REGISTER OF ATTENDANCE

Name of the Institute

23/1, 24/1, 25/1, 26/1, 27/1, 28/1, 29/1, 30/1, 31/1

Roll no	NAME	CASTE	1	2	3	4	5	6	7	8	9	10	11
20922	G. Divya bhavathi	BBC	P	P	P	P	P	P	P	P	P	P	P
20927	D. Indira Mythoi		P	P	P	P	P	P	P	P	P	P	P
20932	T. Kushwanth		P	P	P	P	P	P	P	P	P	P	P
20934	P. Leena		P	P	P	P	P	P	P	P	P	P	P
20938	N. Naga Roshini		P	P	P	P	P	P	P	P	P	P	P
20941	O. Pawan Kumar Raju		P	P	P	P	P	P	P	P	P	P	P
20945	T. Ravikumar		P	P	P	P	P	P	P	P	P	P	P
20954	B. Vidyavathi		P	P	P	P	P	P	P	P	P	P	P
20956	C. Visayabramha		P	P	P	P	P	P	P	P	P	P	P
20957	M. Yamini		P	A	P	P	P	P	P	P	P	P	P
	CBZ												
20875	M. Chaitanya		P	P	P	P	P	P	P	P	P	P	P
20879	C. Mohan		P	P	P	P	P	P	P	P	P	P	P
20892	B. Pavan Kalyan		P	P	P	P	P	P	P	P	P	P	P
	MZC												
20971	S. Avinash		P	P	P	P	P	P	P	P	P	P	P
20979	M. Groultam naile		P	P	P	P	P	P	P	P	P	P	P
20982	D. Harishitha		P	P	P	P	P	P	P	P	P	P	P
20986	G. Joleenadhara		P	P	P	P	P	P	P	P	P	P	P
20987	M. Kushwanth kumar		P	P	P	P	P	P	P	P	P	P	P
	MPC												
20520	K. Giris Kumar		P	P	P	P	P	P	P	P	P	P	P
20530	C. Karthikey		P	A	P	P	P	P	P	P	P	P	P
20534	G. Mahesh		P	P	P	P	P	P	P	P	P	P	P

## SIGNATURE OF THE TEACHER

NO. ON ROLL AT THE BEGINNING OF THE MONTH	NO. OF BOYS PRESENT	A.M.	
ADMITTED DURING THE MONTH	NO. OF GIRLS PRESENT	A.M.	DP - D. Parameshwara
	Teacher's Initial		Wd - V. Venkata Lakshmi
LEFT NO. ON ROLL AT THE END OF THE YEAR	NO. OF BOYS PRESENT	P.M.	P. Suguna
ADMITTED DURING THE MONTH	NO. OF GIRLS PRESENT	P.M.	PS - P. Suguna
	Teacher's Initial		KR - K. Revathi

LEARNERS - PGCE

FOR THE MONTH OF

TIMING: 8.15 AM to 9.45 AM

20

SRI HARI TRADERS

PROOFEET

08564 252266

5/2 234 26/2

50M 50M 100M

CT-1 CT-2 GT

P45 P46 P47

P41 P43 P44

P46 P45 P44

P46 P43 P40

P43 P49 P46

P43 P45 P47

P41 P43 P47

P46 P43 P47

P44 P46 P40

A4 P40 A4

P43 P45 P40

P42 P40 P41

P45 P43 P41

P45 P44 P41

P46 P46 P47

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P46 P48 P40

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P42 P40 P47

P40 A4 P40

P44 P45 P44

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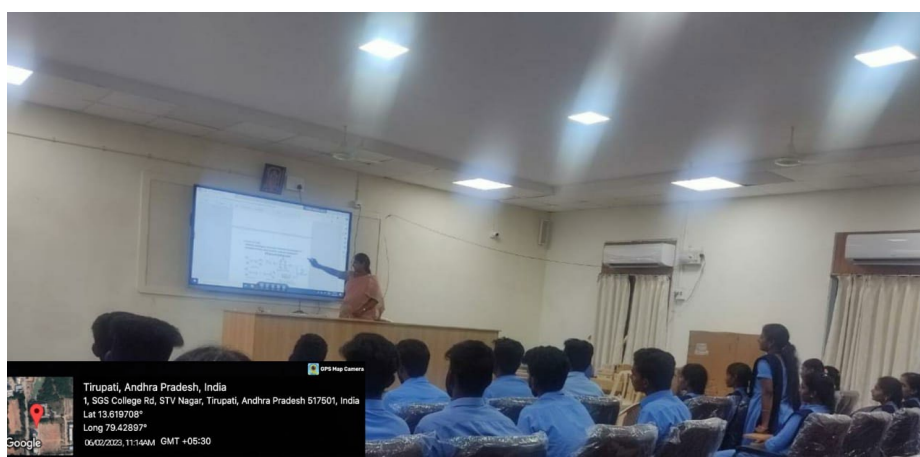
No. of Working Days

Average Attendance  
During the Month



## PHOTO GALLERY

### INTENSIVE COACHING FOR PGCET IN CHEMISTRY

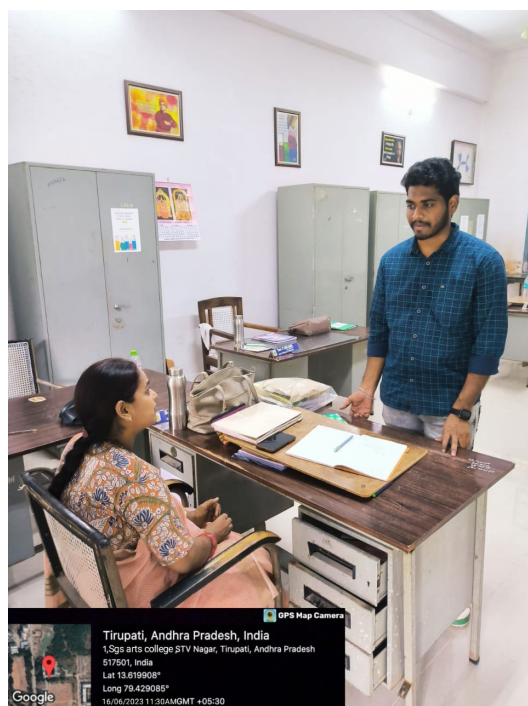






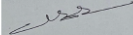

## CONDUCTION OF EXAMINATIONS



## CAREER GUIDANCE TO K.PAVAN KUMAR BY CHEMISTRY FACULTIES



## EVIDENCES

		<b>APPGCET – 2023</b> <b>Post Graduation Admissions</b> ( Conducted by Andhra University, Visakhapatnam on behalf of APSCHE )		
<b>Hall Ticket No</b>	30120234257	<b>Rank</b>	1993	
<b>Candidate Name</b>	BURRI PAVANKALYAN	<b>Father's Name</b>	B MUNIRATHNAM	
<b>Gender</b>	Male (M)	<b>Caste/Region</b>	BC_D/SVU	
<b>PROVISIONAL ALLOTMENT ORDER( For APPGCET-2023 CANDIDATES )</b>				
<p>This is to inform that the options exercised by the candidate have been processed based on merit, rank, local area, gender, category, Special Reservation Category (CAP/PH/NCC/SPORTS) etc and the candidate has been allotted a seat in</p> <p><b>Vikrama Simhapuri University College-Nellore (University Campus), (VSUN), NELLORE</b></p> <p><b>in M.Sc. Food Technology, (PG081), under BC_A_GEN_SVU category.</b></p> <p><b>Tuition Fee fixed for the college/course is Rs. 20000/-.</b></p> <p><b>Tuition fee to be paid by the candidate at the time of admission is Rs. 0/-.**</b></p> <p><b>**Tuition fee exempted under fee reimbursement category.</b></p> <p>Tution fee exempted under fee reimbursement category the students belonging to SC/ST/BC/EBC/Disabled/Minority categories will be considered for Full Reimbursement of Tuition Fee under Jagananna Vidya Deevena (RTF) scheme subject to verification and eligibility criteria prescribed by State Government of Andhra Pradesh vide G.O.M.S.NO:66 dated 08/09/2010 of Social welfare (SW.EDN.2) Dept., G.O.M.S.NO:115 dated 13/11/2019 of Social Welfare (EDN) Dept.,G.O.M.S.NO:72 dated 18/10/2014 of social welfare(SW.EDN.2) department, G.O.Ms.No.77 Social Welfaredept.,dated 25/12/2020 and relevant instructions issued by Social Welfare and Higher Education Dept., Govt. of A.P. from time to time. In the event of the candidate found not eligible for fee reimbursement at a later date, the candidate shall have to pay the total fee as prescribed by the Competent authority.</p> <p>You are eligible for tuition fee reimbursement under the Jagananna Vidya Deevena Scheme. The tuition fee will be paid to your mother s bank account in four quarters. Hence, you are requested to pay the tuition fee amount within one week to the college from the date of receiving the tution fee amount from the Government.</p> <p><b>Instructions to Candidates :</b></p> <ol style="list-style-type: none"><li>1. The candidate is instructed to report by clicking on Allotment letter and Self-Reporting under Forms tab from website <a href="https://cets.apsche.ap.gov.in">https://cets.apsche.ap.gov.in</a> .</li><li>2. Take print out of two copies of joining report and report to the allotted college with all original certificates. Submit a copy of joining report and obtain acknowledgment on 2nd copy from the College where you have reported and retain the same with you.</li><li>3. If any candidate fails to submit valid original certificates for verification in claiming his/her qualification, caste, region and any other mandatory provisions, at the allotted college, provisional allotment of the seat will be cancelled automatically.</li><li>4. Both Self reporting and reporting at the allotted college is compulsory to retain the present allotment. The last date for Self reporting and reporting at the allotted College is 25/11/2023. Pay all necessary fees if any to the allotted college.</li><li>5. If you do not report through Self-reporting system and/or not reporting at the allotted college, the provisional allotment will be cancelled and you have no claim on the seat allotted.</li><li>6. If the academic credentials verified found false at a later date, your allotment will be cancelled and you are also liable for criminal prosecution.</li><li>7. All the Principals are requested to verify the original certificates viz caste,study, income and Degree/Equivalent certificates of the admitted candidates thoroughly and request to bring to the notice of the Convenor, APPGCET-2023 Admissions for any deviation.</li><li>8. The candidate is informed that the class work already commenced from 6/10/2023 and directed to attend the class work.</li></ol>				
<div style="text-align: right;"> </div>				





**APPGCET – 2023**  
**Post Graduation Admissions**  
**( Conducted by Andhra University, Visakhapatnam on behalf of APSCH )**



Hall Ticket No	30120233921	Rank	1273
Candidate Name	MADARI HARI OM	Father's Name	MADARI ABRAHAM
Gender	Male (M)	Caste/Region	BC_B/SVU

**PROVISIONAL ALLOTMENT ORDER( For APPGCET-2023 CANDIDATES )**

This is to inform that the options exercised by the candidate have been processed based on merit, rank, local area, gender, category, Special Reservation Category (CAP/PH/NCC/SPORTS) etc and the candidate has been allotted a seat in

Sri Venkateswara University, Tirupati, (SVUSSF), TIRUPATI  
in M.Sc. Biochemistry, (PG064), under OC\_GEN\_SVU category.

Tuition Fee fixed for the college/course is Rs. 57360/-.

Tuition fee to be paid by the candidate at the time of admission is Rs. 0/-.\*\*

**\*\*Tuition fee exempted under fee reimbursement category.**

Tuition fee exempted under fee reimbursement category the students belonging to SC/ST/BC/EBC/Disabled/Minority categories will be considered for Full Reimbursement of Tuition Fee under Jagananna Vidya Deevena (RTF) scheme subject to verification and eligibility criteria prescribed by State Government of Andhra Pradesh vide G.O.M.S.NO:66 dated 08/09/2010 of Social welfare (SW.EDN.2) Dept., G.O.M.S.NO:115 dated 13/11/2019 of Social Welfare (EDN) Dept., G.O.M.S.NO:72 dated 18/10/2014 of social welfare (SW.EDN.2) department, G.O.Ms.No.77 Social Welfare dept., dated 25/12/2020 and relevant instructions issued by Social Welfare and Higher Education Dept., Govt. of A.P. from time to time. In the event of the candidate found not eligible for fee reimbursement at a later date, the candidate shall have to pay the total fee as prescribed by the Competent authority.

You are eligible for tuition fee reimbursement under the Jagananna Vidya Deevena Scheme. The tuition fee will be paid to your mother's bank account in four quarters. Hence, you are requested to pay the tuition fee amount within one week to the college from the date of receiving the tuition fee amount from the Government.

**Instructions to Candidates :**

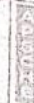
1. The candidate is instructed to report by clicking on Allotment letter and Self-Reporting under Forms tab from website <https://cets.apsche.ap.gov.in>.
2. Take print out of two copies of joining report and report to the allotted college with all original certificates. Submit a copy of joining report and obtain acknowledgment on 2nd copy from the College where you have reported and retain the same with you.
3. If any candidate fails to submit valid original certificates for verification in claiming his/her qualification, caste, region and any other mandatory provisions, at the allotted college, provisional allotment of the seat will be cancelled automatically.
4. Both Self reporting and reporting at the allotted college is compulsory to retain the present allotment. The last date for Self reporting and reporting at the allotted College is 25/11/2023. Pay all necessary fees if any to the allotted college.
5. If you do not report through Self-reporting system and/or not reporting at the allotted college, the provisional allotment will be cancelled and you have no claim on the seat allotted.
6. If the academic credentials verified found false at a later date, your allotment will be cancelled and you are also liable for criminal prosecution.
7. All the Principals are requested to verify the original certificates viz caste, study, income and Degree/Equivalent certificates of the admitted candidates thoroughly and request to bring to the notice of the Convenor, APPGCET-2023 Admissions for any deviation.
8. The candidate is informed that the class work already commenced from 6/10/2023 and directed to attend the class work.



[Signature]



APPGCET - 2023  
Post Graduation Admissions  
(Conducted by Andhra University, Visakhapatnam on behalf of APSCHE)



Hall Ticket No	31020238871	Rank	4132
Candidate Name	CHEEMALA MOHAN	Father's Name	CHEEMALA PEDDANNA
Gender	Male (M)	Caste/Region	BC_A/SVU

PROVISIONAL ALLOTMENT ORDER (For APPGCET-2023 CANDIDATES)

This is to inform that the options exercised by the candidate have been processed based on merit, rank, local area, gender, category, Special Reservation Category (CAPI/PH/NCC/SPORTS) etc and the candidate has been allotted a seat in

Sri Venkateswara University, Tirupati, (SVUS), TIRUPATI

in M.Sc. Physical Chemistry, (PG128) under BC\_A\_GEN\_SVU category.

Tuition Fee fixed for the college/course is Rs. 18760/-.

Tuition fee to be paid by the candidate at the time of admission is Rs. 0/-.

\*\*Tuition fee exempted under fee reimbursement category.

Tuition fee exempted under fee reimbursement category the students belonging to SC/ST/BC/EBC/Disabled/Minority categories will be considered for Full Reimbursement of Tuition Fee under Jagananna Vidya Deevena (RTF) scheme subject to verification and eligibility criteria prescribed by State Government of Andhra Pradesh vide G.O.M.S.NO:66 dated 08/09/2010 of Social Welfare (SW EDN.2) Dept., G.O.M.S.NO:115 dated 13/11/2019 of Social Welfare (EDN) Dept., G.O.M.S.NO:72 dated 18/10/2014 of social welfare (SW EDN.2) department, G.O.Ms.No.77 Social Welfare dept., dated 25.12.2020 and relevant instructions issued by Social Welfare and Higher Education Dept., Govt. of A.P. from time to time. In the event of the candidate found not eligible for fee reimbursement at a later date, the candidate shall have to pay the total fee as prescribed by the Competent authority.

You are eligible for tuition fee reimbursement under the Jagananna Vidya Deevena Scheme. The tuition fee will be paid to your mother's bank account in four quarters. Hence, you are requested to pay the tuition fee amount within one week to the college from the date of receiving the tuition fee amount from the Government.

Instructions to Candidates :

1. The candidate is instructed to report by clicking on Allotment letter and Self-Reporting under Forms tab from website <https://sche.ap.gov.in>.
2. Take print out of two copies of joining report and report to the allotted college with all original certificates. Submit a copy of joining report and obtain acknowledgment on 2nd copy from the College where you have reported and retain the same with you.
3. If any candidate fails to submit valid original certificates for verification in claiming his/her qualification, caste, region and any other mandatory provisions, at the allotted college, provisional allotment of the seat will be cancelled automatically.
4. Both Self reporting and reporting at the allotted college is compulsory to retain the present allotment. The last date for Self reporting and reporting at the allotted College is 10/10/2023. Pay all necessary fees if any to the allotted college.
5. If you do not report through Self-reporting system and/or not reporting at the allotted college, the provisional allotment will be cancelled and you have no claim on the seat allotted.
6. If the academic credentials verified found false at a later date, your allotment will be cancelled and you are also liable for criminal prosecution.
7. All the Principals are requested to verify the original certificates viz caste, study, income and Degree/Equivalent certificates of the admitted candidates thoroughly and request to bring to the notice of the Convenor, APPGCET-2023 Admissions for any deviation.
8. The candidate is informed that the class work shall be commenced from 6/10/2023 and directed to attend the class work.



CONVENOR





## University of New Haven

October 24, 2023

Pavan Kumar Kalavakunta  
2-10 Mittakothuru Pathapalem  
Chittoor, Andhra Pradesh 517421  
India

Congratulations, Pavan Kumar!

On behalf of our campus community and our family of over 60,000 alumni, I am delighted to inform you that you have been accepted into our **Cellular and Molecular Biology, MS** program with a Non-Thesis concentration for the **Spring 2024** term.

At the University of New Haven, we are confident you will have an exceptional graduate experience and will build a strong network necessary for success in today's highly competitive world. Our rigorous academic programs and dedicated faculty will assist you in fulfilling your career goals and will set you on the path to professional growth.

We are guided by the following core values as they are the foundational elements of our culture and how we approach issues and make decisions essential to advancing the University of New Haven Mission.

- Student Centered: We place their success at the center of our decisions and activities to cultivate their full potential academically and personally.
- Engaged and Inclusive Community: We foster and celebrate diversity, inclusion, equity and access and strive for continuous improvement of these.
- Impactful Education: We intentionally engage our students in experiential education to prepare them for purposeful and fulfilling lives in a global society.

To begin the process of enrolling at the University of New Haven, please complete your offer reply form within your Accepted Student Portal by November 08, 2023. Once you have received your F-1 visa (passport stamped by the US Embassy), you will need to pay an enrollment deposit of \$2,000 to ensure your seat is confirmed for your program. The enrollment deposit is \$2,000 for students living off campus or \$2,200 for students looking for on-campus residential housing. An enrollment deposit is required for all graduate students who decide to attend the University of New Haven. Your acceptance is contingent upon the receipt of all final official documents and official test scores, if applicable.

We look forward to you joining our community and wish you every success in the future.

Sincerely,

A handwritten signature in blue ink, reading "Abigail Burkhardt".

Abigail Burkhardt  
Director of International Admissions




## Department of Microbiology

**S.G.S. ARTS COLLEGE : TIRUPATI**  
**DEPARTMENT OF MICROBIOLOGY**  
**CIRCULAR**  
**ACADEMIC YEAR 2022-2023**

01-12-2022

**S.G.S A.C / MICROBIOLOGY / 2022 / DM / 04**

The faculty members of department of Microbiology are informed that there will be a staff meeting at 9.00 A.M in the HOD chamber on 01-12-2022 to discuss about P.G CET coaching to be conducted for the final year students for the academic year 2022-2023.

S.No.	Name of the Faculty	Mobile No.	Signature
1	Dr. V. Venkatalakshmi	9492075161	
2	Dr. K. Sridevi	8919339866	

**AGENDA:**

- To discuss about P.G CET coaching to be conducted for the final year students for the academic year 2022-2023.
- To finalize schedule for the P.G CET coaching.
- To finalize timetable for the P.G CET coaching
- To discuss workload distribution for the P.G CET coaching

**MINUTES:**

- ❖ The faculty members discussed about the schedule and time table for the P.G CET coaching and made the following resolutions unanimously.
- ❖ It was planned to conduct P.G CET coaching for the final year students in the second week of December 2022.
- ❖ Smt. Dr. V. Venkatalakshmi was made Coordinator for the P.G CET coaching.
- ❖ The workload distribution for the P.G CET as shown below.
- ❖ It was planned to conduct P.G CET coaching classes at the rate of 1hr everyday from 4.00 to 5.00 PM.

S.N o	Name of the Faculty	Subject	No of Hours
1	Smt. Dr. K. Sridevi	Introduction to Microbiology & Microbial diversity & APPLIED MICROBIOLOGY	45

Signatures:

*K. Sridevi*

*V. V. V. V.*

HEAD  
DEPT. OF MICROBIOLOGY  
SGS ARTS COLLEGE  
TIRUPATI-517501 (A.P.)

PERMISSION LETTER

01-12-2022

FROM

Dr.K.Sridevi

Lecturer,

Department of Microbiology

SGS ARTS COLLEGE, Tirupati

TO

The Principal

SGS ARTS COLLEGE, Tirupati

Respected Sir,

**Sub:** PGCET Coaching to be undertaken III Year Microbiology students on  
01-12-2022 requesting permission-Reg

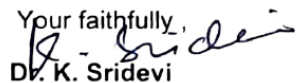
This is to be bring for your kind information that the Department of Microbiology is Conducting **PGCET COACHING** on date 01-12-2022 with III year MZC students as a part of their course curriculum.

The students and the faculty members taking part in the PGCET Coaching is mentioned in the enclosed list.

In this regard I request you to allow us to take part in the PGCET Coaching mentioned above.

Thanking you

Your faithfully,

  
Dr. K. Sridevi

H.O.D. 

HEAD  
DEPT. OF MICROBIOLOGY  
SGS ARTS COLLEGE  
TIRUPATI-517501 (A.P.)



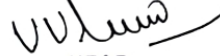
## INTIMATION

SGSAC/Microbiology dept/PGCET 2022/HOD/01

01-12-2022

All the final year students of B.Sc Microbiology are informed that coaching for P.G CET has been scheduled to commence from 05-12-2022. The classes are conducted at the rate of 1hr everyday from 4.00 to 5.00 PM, in room number 316. So, the interested students are instructed to enroll their name on or before 05-12-2022.

H.O.D of the Department



HEAD

DEPT. OF MICROBIOLOGY  
SGS ARTS COLLEGE  
TIRUPATI-517501 (A.P.)

To

All teaching staff of chemistry

Department for circulation.

Department notice board

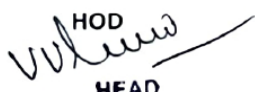
**S.G.S. ARTS COLLEGE, TIRUCHANOOR ROAD, TIRUPATI**

**Student supporting programs / Events conducted**

**Name of the department: Microbiology**

**Academic year:2022-2023**

S. No	Name of the Program/ Event	Date	Class	No. of Students Participated	Remark
1	PGCET	05-12-2022	B.Sc. MZC	07	-

**HOD**  
  
**HEAD**  
**DEPT. OF MICROBIOLOGY**  
**SGS ARTS COLLEGE**  
**TIRUPATI-517501 (A.P.)**

**S.G.S. ARTS COLLEGE, TTD, TIRUPATI**  
**Department of MICROBIOLOGY**  
**EVENT ORGANISED REPORT-2022-2023**

1	Name of the Department	Microbiology
2	Name of Event Organized	PGCET Coaching
3	Title of Event Organized	<u>PGCET Coaching – Microbiology</u>
4	Name of Coordinator of Event	Smt. Dr. K. Sri Devi
5	Class of the Participants	B.Sc. MZC
6	No. of Participants	07
7	Objective of the Event	An ability to develop critical thinking and efficiency in competitive field.
8	Outcome of the Event	To provide maximum scope for succeeding higher education in Microbiology.

*K. Sri Devi*

*[Signature]*  
**HEAD**  
**DEPT. OF MICROBIOLOGY**  
**SGS ARTS COLLEGE**  
**TIRUPATI-517501 (A.P.)**



**DEPARTMENT OF MICROBIOLOGY**  
**PGCET COACHING : STUDENT NAME LIST**

Academic year :2022- 2023

S.NO	CLASS	Name of the student
1	MZC	A.BALAKULAYAPPA
2	MZC	D. HARSHITHA
3	MZC	J. MONESH KUMAR
4	MZC	M. S. TASNEEM
5	MZC	M. GOWTHAM NAIK
6	MZC	T. VENKATESH
7	MZC	V. SANDHYA

*K. Sidi*

*V. S. S.*

HEAD  
DEPT. OF MICROBIOLOGY  
SGS ARTS COLLEGE  
TIRUPATI-517501 (A.P.)

## DEPARTMENT OF MICROBIOLOGY

### PGCET COACHING PLAN

PROGRAMME SCHEDULE: (WEEKLY 6HRS) VENUE : Room No.316

Day	Date	Time	Topic	Faculty Incharge
Day-01	05-12-2022	4 PM – 5 PM	INTRODUCTION TO MICROBIOLOGY AND MICROBIAL DIVERSITY & APPLIED MICROBIOLOGY	Smt. Dr. K. Sridevi
Day-02	06-12-2022	4 PM – 5 PM	CONTRIBUTIONS OF SCIENTISTS, CLASSIFICATION OF MICROORGANISMS.	Smt. Dr. K. Sridevi
Day-03	07-12-2022	4 PM – 5 PM	STERILIZATION METHODS	
Day-04	08-12-2022	4 PM – 5 PM	ULTRA STRUCTURE OF BACTERIA	Smt. Dr. K. Sridevi
Day-05	09-12-2022	4 PM – 5 PM	VIRUSES AND CLASSIFICATION	Smt. Dr. K Sridevi
Day-06	12-12-2022	4 PM – 5 PM	FUNGI, ALGAE AND PROTOZOA	Smt. Dr. K. Sridevi
Day-07	13-12-2022	4 PM – 5 PM	MICROSCOPY AND STAINING.	Smt. Dr. K. Sridevi
Day-08	14-12-2022	4 PM – 5 PM	ISOLATION AND PRESERVATION OF MICROORGANISMS	Smt. Dr. K. Sridevi
Day-09	15-12-2022	4 PM – 5 PM	MICROBIAL BIOCHEMISTRY	Smt. Dr. K. Sridevi
Day-10	16-12-2022	4 PM – 5 PM	MICROBIAL METABOLISM	Smt. Dr. K. Sridevi

Day-11	17-12-2022	4 PM – 5 PM	MICROBIAL GENETICS	Smt. Dr. K. Sridevi
Day-12	19-12-2022	4 PM – 5 PM	MOLECULAR BIOLOGY	Smt. Dr. K. Sridevi
Day-13	20-12-2022	4 PM – 5 PM	P.G MODEL TEST - 01	Smt. Dr. K. Sridevi
Day-14	21-12-2022	4 PM – 5 PM	PROTEIN SYNTHESIS	Smt. Dr. K. Sridevi
Day-15	22-12-2022	4 PM – 5 PM	CLINICAL MICROBIOLOGY	Smt. Dr. K. Sridevi
Day-16	23-12-2022	4 PM – 5 PM	MEDICAL MICROBIOLOGY	Smt. Dr. K. Sridevi
Day -17	24-12-2022	4 PM – 5 PM	ANTIMICROBIAL AGENTS	Smt. Dr. K. Sridevi
Day-18	26-12-2022	4 PM – 5 PM	VACCINES	Smt. Dr. K. Sridevi
Day-19	27-12-2022	4 PM – 5 PM	ENVIRONMENTAL MICROBIOLOGY	Smt. Dr. K. Sridevi
Day-20	28-12-2022	4 PM – 5 PM	SOLID AND LIQUID WASTE MANAGEMENT	Smt. Dr. K. Sridevi
Day-21	29-12-2022	4 PM – 5 PM	HAZARD ANALYSIS	Smt. Dr. K. Sridevi
Day-22	30-12-2022	4 PM – 5 PM	FOOD MICROBIOLOGY	Smt. Dr. K. Sridevi
Day-23	31-12-2022	4 PM – 5 PM	INDUSTRIAL PRODUCTIONS	Smt. Dr. K. Sridevi
Day-24	03-01-2023	4 PM – 5 PM	INDUSTRIAL MICROBIOLOGY	Smt. Dr. K. Sridevi
Day-25	04-01-2023	4 PM – 5 PM	P.G MODEL TEST - 02	Smt. Dr. K. Sridevi
Day-26	05-01-2023	4 PM – 5 PM	MICROBIAL DIAGNOSIS IN HEALTH CLINICS	Smt. Dr. K. Sridevi
Day-27	06-01-2023	4 PM – 5 PM	PLANT DISEASE OF BACTERIA	Smt. Dr. K.



			VIRUSES & FUNGUS	Sridevi
Day-28	07-01-2023	4 PM – 5 PM	FOODS AS A SUBTRATE FOR MICROBES	Smt. Dr.K. Sridevi
Day-29	09-01-2023	4 PM - 5 PM	FOOD SANITATION AND CONTROL	Smt. Dr.K. Sridevi
Day-30	10-01-2023	4 PM - 5 PM	SPOILAGE OF FOOD	Smt. Dr.k. Sridevi
Day-31	23-01-2023	4 PM - 5 PM	METHOD OF FOOD PRESERVATION	Smt. Dr.k. Sridevi
Day -32	24-01-2023	4 PM - 5 PM	FERMENTED FOODS	Smt. Dr.k. Sridevi
Day-33	25-01-2023	4 PM – 5 PM	MUSHROOMS,TYPES CULTIVATION	Smt. Dr.k. Sridevi
Day-34	26-01-2023	4 PM – 5 PM	MICROORGANISMS AS FOOD - SINGLE CELL PROTEIN YEAST,ALGAE,FUNGI	Smt. Dr.k. Sridevi
Day-35	27-01-2023	4 PM – 5 PM	PROBIOTICS-HEALTH BENEFITS TYPES,MICROBES USED	Smt. Dr.k. Sridevi
Day-36	29-01-2023	4 PM – 5 PM	PHISICAL AND CHEMICAL PROPERTYS OF MILK	Smt. Dr.k. Sridevi
Day-37	30-01-2023	4 PM - 5 PM	MICROBES IN MILK	Smt. Dr.k. Sridevi
Day-38	31-01-2023	4 PM – 5 PM	SOURCES OF MICROBIAL CONTAMINATION IN MILK	Smt. Dr.k. Sridevi
Day-39	01-02-2023	4 PM – 5 PM	FERMENTATION OF MILK	Smt. Dr.k. Sridevi

Day-40	02-02-2023	4 PM – 5 PM	HOST-MICROBE INTERACTIONS	Smt. Dr.k. Sridevi
Day-41	03-02-2023	4 PM – 5 PM	LIQUID AND SOLID WEAST MANAGEMENT	Smt. Dr k. Sridevi
Day-42	04-02-2023	4 PM – 5 PM	MICROBES AND POLLUTION	Smt. Dr k. Sridevi
Day-43	06-02-2023	4 PM – 5 PM	BIOFERTILIZERS- BIOPESTISIDES	Smt. Dr.k. Sridevi
Day-44	07-02-2023	4 PM – 5 PM	ROLE OF MICROBES IN MATTER DECOMPOSITION SOIL MICROBIOLOGY & SCIENTISTS	Smt. Dr. k. Sridevi
Day-45	08-02-2023	4 PM – 5 PM	GRAND TEST	Smt. Dr.k. Sridevi

*K. Sridevi*

*V. V. V.*

HEAD  
DEPT. OF MICROBIOLOGY  
SGS ARTS COLLEGE  
TIRUPATI-517501 (A.P.)

**DEPARTMENT OF MICROBIOLOGY**  
**PGCET COACHING CLASSES : STUDENTS ATTENDANCE**  
**Academic year : 2022 -2023**

PGCET 2022-23

Name of the Officer

Attendance

Register

4-5 PM

No.

Date

Sl. No.

Name

Marks

01. CHANDRASEKHAR A. Balakrishna

75

02. CHANDRASEKHAR D. Harishchandra

77

03. CHANDRASEKHAR T. Manish Kumar

75

04. CHANDRASEKHAR M. S. Jaganmohan

73

05. CHANDRASEKHAR M. Prashanth Rao

77

06. CHANDRASEKHAR T. Venkatesh

73

07. CHANDRASEKHAR Y. Sandhya

73

Sl. No.

Name

Marks

01. CHANDRASEKHAR A. Balakrishna

75

02. CHANDRASEKHAR D. Harishchandra

77

03. CHANDRASEKHAR T. Manish Kumar

75

04. CHANDRASEKHAR M. S. Jaganmohan

73

05. CHANDRASEKHAR M. Prashanth Rao

77

06. CHANDRASEKHAR T. Venkatesh

73

07. CHANDRASEKHAR Y. Sandhya

73

Grand Total

75

77

75

73

77

73

73

*K. S. Sridhar*

*V. S. Sridhar*

HEAD  
 DEPT. OF MICROBIOLOGY  
 SGS ARTS COLLEGE  
 TIRUPATI-517501 (A.P.)



## **S.G.S ARTS COLLEGE, TIRUPATI**

### **DEPARTMENT OF MICROBIOLOGY**

#### **P.G.CET ENTRANCE MODEL TEST- 01**

**Antony Leeuwenhoek belongs to**

- a) Holland b) France c) United States d) Germany

**Experimentally who disproved the theory of Spontaneous generation by**  
a) Liebig b) Spallanzani c) Pasteur d) Lister

**Who Discovered Vaccine against Small Pox**

- a) Edward Jenner b) Louis Pasteur c) Leeuwenhoek d) Liebig

**Who discovered microscope**

- a) Edward Jenner b) Pasteur c) Leeuwenhoek d) Lister

**Antony Van Leeuwenhoek observed tiny microbes in a pond water which is called**

- a) Bacteria b) Actinomycetes c) fungi d) very little animalcules

**Who discovered fermentation by living cells**

- a) Edward Jenner b) Pasteur c) Winogradsky d) Liebig

**By which scientist rabies vaccine was developed by**

- a) Pasteur b) Jenner c) Reed d) Louis Pasteur

**Phagocytosis means**

- a) cell eating b) cell bursting c) phagocyte d) osmoregulation

**The first person to recognize the significance of bacteria & other microbes in disease**

- a) Leeuwenhoek b) Kircher c) Lister d) Jenner

**Leeuwenhoek presented his findings & observations to which society**

- a) British Royal Society b) University of Central Missouri  
c) University of New Haven d) University of Houston

**What is the temperature for holding the juices in pasteurization phenomenon**

- a) 90°C b) 61.3°C c) 60.2°C d) 62.8°C

**Anthrax bacillus was discovered by**

- a) Robert Koch b) Liebig c) Aristotle d) Fleming

**A specific organism can always be found in association with a disease in which technique**

- a) Sterilization b) Preservation c) Koch's postulates d) Lyophilization

4. **pebrine is caused by**  
a) fungi b) mycoplasma c) rickettsiae d) protozoa
5. **who introduced pure culture technique**  
a) Louis Pasteur b) Robert Koch c) winogradsky d) Iwanosky
6. **The growth of a mass of cells is small species in a laboratory vessel called**  
a) contaminated culture b) mixture culture c) pure culture d) none
7. **Protection against infection is called as**  
a) virulence b) immunity c) attenuation d) a virulence
8. **Attenuation means**  
a) decreased virulence b) increased virulence c) sepsis d) antibody
9. **Vaccine is a term derived from**  
a) Greek b) Latin c) German d) none
10. **what is the meaning of Vacca in Latin**  
a) cow b) horse c) dog d) snake
11. **who introduced the method of making bacteria on glass slides & staining with aniline**  
yes  
a) winogradsky b) Iwanosky c) Koch d) liebig
12. **The bacteria grow on a solid surface & it would be easy to isolate and the grow colonies called**  
a) solid medium b) liquid medium  
c) transparent medium d) semi solid medium
13. **who linked the occurrence Of bacillus in blood of infected in animals**  
a) leewenhoek b) Robert Koch c) Aristotle d) Pasteur
14. **The Institute of infected disease is Situated at**  
a) Texas b) Germany c) Berlin d) Holland
15. **Fleming antibiotics discovered by**  
a) Robert Koch b) Aristotle c) Pasteur d) Alexander Fleming
16. **Who showed the sap from the infected leaves could cause disease from the healthy plants even filtered**  
a) Mitch & calf b) Adolph Meyer c) nuttle d) Fleming
17. **The casual agent of tobacco mosaic disease was introduced by**  
a) Adolph Meyer b) Iwanosky c) Pasteur d) nuttle

1. Who developed techniques of enrichment culture for specific isolation of soil microbes

a) Mitch & calf b) Beijerinck c) Virchow d) Watson & Crick

2. The role played by micro organism in the fixation of atmospheric nitrogen studied by

a) Winogradsky b) Iwanosky c) Beijerinck d) Nuttle

3. The development of laboratory jar to create the natural environment for observation purpose is known as

a) Chromatography b) Winogradsky column c) both a & b d) none

4. The four basis in structure of DNA (Adenine, Guanine, cytosine)

a) Thiamine b) uracil c) both a & b d) None

5. Endospore contains large amount of

a) glucosamine b) lipid c) dipoclonic acid d) RNA

6. In addition to bacterial DNA, DNA may sometimes be present in microbial cells

chromosome b) plasmid c) mitochondria d) Flagella

7. Plasmid are circular molecules capable of autonomous replication in a cell

lipid b) RNA c) protein d) DNA

8. New pieces of DNA can be inserted into a DNA molecule in a process

called

recombination b) binary fission c) multiplication d) None of these

9. Complement fixation test was discovered by

Lister b) Bordet c) Henry d) Hesse

10. Who suggested Agar use as a solidifying material for microbiological media

Aristotle b) Hesse c) Ehrlich d) Tyndall

11. Development of Fractional Sterilization to kill spores is called as

a) sterilization b) autoclaving c) ionization d) Tyndallization

12. Rocky mountain spotted fever transmitted by

wood tick b) mites c) mosquito d) Aedes

13. Which test is used to detect the Syphilis

neutralization b) Moser's reaction c) Hyper sensitivity d) none of these



41. The discovery of Bacteriophage by

a) Twort & d'Herelle b) Tyndall c) Bordet d) Ricchets

42. Gram +ve bacteria has cell wall that contain \_\_\_\_ they are not found in -ve bacteria

a) nucleic acids b) petransposons c) tichoic acids d) lipopolysaccharides

43. ATCC stands for

a) Argentina type Culture collection b) Australian type culture collection

c) American type culture collection d) none of these

44. In bright field microscopy, the microscopic field is brightly lightened & the micro

organisms appear dark because \_\_\_\_\_ some of the light

a) emission b) absorption c) adsorption d) transmission

45. The ability to distinguish two adjacent points distinct & separate is called

a) magnification b) resolving power c) both a & b d) none

46. The bacterial cells that have combined with labelled antibody will be visible in the

microscopic preparation & the phenomenon is termed

a) phosphorescence b) luminance c) immunofluorescence d) none

47.  $1\text{A}^\circ$  is equivalent to

a)  $10^{-4}$  b)  $10^{-6}$  c)  $10^{-7}$  d)  $10^{-1}$

48. Christian Gram in which year introduced the Gram staining technique

a) 1884 b) 1894 c) 1874 d) 1864

49. Mycobacterium is a

a) acid fast b) non acid fast c) both a & b d) none

50. Peritrichous flagella means

a) A single polar flagella

b) cluster of polar flagella c) both ends of flagella d) surrounded by flagella

**ANSWER KEY : MODEL TEST - 01**

1)A 2)B 3)A 4)C 5) D 6)B 7) D 8)A 9) B 10) A 11) D 12)A 13)C 14)D 15)B  
16)C 17)D 18)A 19)D 20)A 21)C 22) A 23)B 24)C 25)D 26)B 27)B  
28)B 29)A 30)B 31)A 32)C 33)B 34)D 35)A 36)B 37)B 38)D 39)A  
40)B 41)A 42)C 43)C 44)B 45)B 46)C 47)D 48)A 49)A 50)D

D. Harshitha

45  
50

## S.G.S ARTS COLLEGE, TIRUPATI

DEPARTMENT OF MICROBIOLOGY

P.G.CET ENTRANCE MODEL TEST- 01

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- a) Sterilization b) Preservation c) Koch's postulates d) Lyophilization



- **Pebrine is caused by**
  - a) fungi b) mycoplasma c) rickettsiae d) ☒ protozoa
- **who introduced pure culture technique**
  - a) Louis Pasteur b) ☒ Robert Koch c) winogradsky d) Iwanosky
- **The growth of a mass of cells is small species in a laboratory vessel**
  - a) contaminated culture b) mixture culture c) ☒ pure culture d) none
- **Protection against infection is called as**
  - a) virulence b) immunity c) attenuation d) ☒ a virulence
- **Attenuation means**
  - a) ☒ decreased virulence b) increased virulence c) sepsis d) antibody
- **Vaccine is a term derived from**
  - a) Greek b) Latin c) German d) ☒ none
- **what is the meaning of Vacca in Latin**
  - a) ☒ cow b) horse c) dog d) snake
- **who introduced the method of making bacteria on glass slides & staining with aniline**
  - a) ☒ winogradsky b) Iwanosky c) Koch d) liebig
- **The bacteria grow on a solid surface & it would be easy to isolate and the grow colonies called**
  - a) solid medium b) liquid medium
  - c) ☒ transparent medium d) semi solid medium
- **who linked the occurrence Of bacillus in blood of infected in animals**
  - a) leewenhoek b) ☒ Robert Koch c) Aristotle d) Pasteur
- **The Institute of infected disease is Situated at**
  - a) Texas b) Germany c) ☒ Berlin d) Holland
- **Fleming antibiotics discovered by**
  - a) Robert Koch b) Aristotle c) Pasteur d) ☒ Alexander Fleming
- **Who showed the sap from the infected leaves could cause disease from the healthy plants even filtered**
  - a) Mitch & calf b) ☒ Adolph Meyer c) nuttle d) Fleming
- **The casual agent of tobacco mosaic disease was introduced by**
  - a) Adolph Meyer b) ☒ Iwanosky c) Pasteur d) nuttle

8. Who developed techniques of enrichment culture for specific isolation of soil microbes  
a) Mitch & calf b) Beijerinck c) Virchow d) Watson & Crick
9. The role played by micro organism in the fixation of atmospheric nitrogen studied by  
a) Winogradsky b) Iwanosky c) Beijerinck d) Nuttle
10. The development of laboratory jar to create the natural environment for observation purpose is known as  
a) chromatography b) Winogradsky column c) both a & b d) none
11. The four basis in structure of DNA (Adenine, Guanine, cytosine)  
a) Thiamine b) uracil c) both a & b d) None
12. Endospore contains large amount of  
a) glucosamine b) lipid c) dipicolonic acid d) RNA
13. In addition to bacterial DNA, DNA may sometimes be present in microbial cells  
chromosome b) plasmid c) mitochondria d) Flagella
14. Plasmid are circular molecules capable of autonomous replication in a cell  
lipid b) RNA c) protein d) DNA
15. New pieces of DNA can be inserted into a DNA molecule in a process called  
recombination b) binary fission c) multiplication d) None of these
16. Complement fixation test was discovered by  
Lister b) Bordet c) Henry d) Hesse
17. Who suggested Agar use as a solidifying material for microbiological media  
Aristotle b) Hesse c) Ehrlich d) Tyndall
18. Development of Fractional Sterilization to kill spores is called as a) sterilization  
autoclaving c) ionization d) tyndallization
19. Rocky mountain spotted fever transmitted by  
wood tick b) mites c) mosquito d) ticks
20. Which test is used to detect the Syphilis  
neutralization b) Moser's reaction c) Hyper sensitivity d) none of these

41. The discovery of Bacteriophage by

a) Tworts & d 's here' ll b) Tyndall c) Bordet d) Ricchets

42. gram +ve bacteria has cell wall that contain \_\_\_ they are not found in -ve bacteria  
a) nucleic acids b) petransposons c) tichoic acids d) lipopolysaccharides

43. atcc stands for

a) Argentina type Culture collection b) Australian type culture collection

c) American type culture collection d) none of these

44. In bright field microscopy ,the micro scopic field is brightly lightened &the micro organisms are appear dark because \_\_\_\_\_ some of the light

a) emission b) absorption c) adsorption d) transmission

45. The ability distinguish two adjacent points distinct & separate is called  
a) magnification b) resolving power c) both a&b d) none

46. The bacterial cells that have combined with labelled antibody will be visible in the microscopic preparation &the phenomenon is termed

a) phosphorescence b) luminance c) immunofluorescence d) none

47. 1A° is equivalent to

a) 10-4 b) 10-6 c) 10-7 d) 10-1

48. Christian gram in which year introduced in gram staining technique

a) 1884 b) 1894 c) 1874 d) 1864

49. Mycobacterium is a

a) acid fast b) non acid fast c) both a&b d) none

50. Peritrichous flagella means

a) A single polar flagella  
b) cluster of polar flagella c) both ends of flagella d) surrounded by flagella



**ANSWER KEY : MODEL TEST - 01**

1)A 2)B 3)A 4)C 5) D 6)B 7) D 8)A 9) B 10) A 11) D 12)A 13)C 14)D 15)B  
16)C 17)D 18)A 19)D 20)A 21)C 22) A 23)B 24)C 25)D 26)B 27)B  
28)B 29)A 30)B 31)A 32)C 33)B 34)D 35)A 36)B 37)B 38)D 39)A  
40)B 41)A 42)C 43)C 44)B 45)B 46)C 47)D 48)A 49)A 50)D

— 11/09/2023

93  
100

**S.G.S ARTS COLLEGE, TIRUPATI**

**DEPARTMENT OF MICROBIOLOGY - 2022-2023**  
**P.G Entrance Grand test**

1. According to Pasteur statements which one of the following is true
  - a. ☒ Living organisms discriminate between stereoisomers
  - b. Fermentation is an aerobic process
  - c. Living organisms doesn't discriminate between stereoisomers
  - d. Both a and b
2. "I found floating therein earthly particles, some green streaks, spirally wound serpent-wise, and orderly arranged, the whole circumstance of each of these streaks was about the thickness of a hair on one's head" .... These words are of
  - a. ☒ Leeuwenhoek
  - b. A. Jenner
  - c. Pasteur
  - d. Koch
3. The principal light- trapping pigment molecule in plants, Algae, and cyanobacteria is
  - a. ☒ Chlorophyll a
  - b. Chlorophyll b
  - c. Porphyrin
  - d. Rhodapsin
4. During Bio Geo chemical cycle some amount of elemental carbon was utilized by the microorganisms. The phenomenon is called as
  - a. Dissimilation
  - b. ☒ Immobilization
  - c. Decomposition
  - d. Neutralization
5. Who demonstrated that open tubes of broth remained free of bacteria when air was free of dust?
  - a. Abbe Spallanzani
  - b. ☒ John Tyndall
  - c. Francisco Redi
  - d. Pasteur
6. Reverse isolation would be appropriate for
  - a. ☒ a patient with tuberculosis
  - b. a patient who has had minor surgery
  - c. a patient with glaucoma
  - d. a patient with leukemia
7. The symptom "general feeling of illness and discomfort" is called
  - a. Cystitis
  - b. ☒ Malaise
  - c. Anaphylactic shock
  - d. Arthritis
8. On soybean which of the following forms symbiotism
  - a. Azotobacter paspali
  - b. Rhizobium
  - c. ☒ Nostoc
  - d. Bradyrhizobium
9. Who provide the evidence that bacteriophage nucleic acid but not protein enters the host cell during infection?
  - a. Alfred D. Hershey & Leonard Tatum in 1951.
  - b. Alfred D. Hershey & Zinder Lederberg in 1951.
  - c. ☒ Alfred D. Hershey & Martha Chase in 1952.
  - d. Alfred D. Hershey & Macleod in 1952.

10. **Spirulina belongs to**  
 a. Xanthophyceae b. ☒ Cyanophyceae  
 c. Rhodophyceae d. Pheophyceae
11. **The first antibody to contact invading microorganisms was**  
 a. IgG b. ☒ IgM  
 c. IgA d. IgD
12. **The light emitted by luminescent bacteria is mediated by the enzyme**  
 a. Coenzyme Q  
 b. ☒ Luciferase  
 c. Lactose dehydrogenase  
 d. Carboxylase reductase
13. **Pick out the vector using in human Genome project**  
 a. Phagemid vector  
 b. ☒ Yeast artificial chromosomes  
 c. Cosmid vectors  
 d. Yeast episomal plasmids
14. **Salt and sugar preserve foods because they**  
 a. Make them acid  
 b. Produce a hypotonic environment  
 c. Deplete nutrients  
 d. ☒ Produce a hypertonic environment
15. **In a fluorescent microscope the objective lens is made of**  
 a. Glass b. Quartz  
 c. ☒ Polythene d. None of these
16. **Fixation of atmospheric nitrogen is by means of**  
 a. Biological process b. Lightning  
 c. Ultraviolet light d. ☒ All of the above
17. **Which one of the following fungi is the most serious threat in a bone marrow transplant unit?**  
 a. Candida albicans b. ☒ Aspergillus  
 c. Blastomyces d. Cryptococcus
18. **Direct microscopic count can be done with the aid of**  
 a. ☒ Neuberg chamber b. Anaerobic chamber  
 c. Mineral oil d. Olive oil
20. **The image obtained in a compound microscope is**  
 a. Real b. ☒ Virtual  
 c. Real inverted d. Virtual inverted
21. **Enzymes responsible for alcoholic fermentation**  
 a. Ketolase b. ☒ Zymase  
 c. Peroxidase d. Oxidase
22. **Serum sickness reaction was discovered by**  
 a. Marrice Arthus b. Von perquit  
 c. ☒ Richet d. Porter
23. **Hybridoma technique was developed by**  
 a. ☒ Kochler & Milston b. Niel's Jerne  
 c. Both a and b d. None of these
24. **Disease that effects many people at different countries is termed as**  
 a. Sporadic b. ☒ Pandemic  
 c. Epidemic d. Endemic
25. **If the vectors transmit the infection mechanically they are called**  
 a. Biological vectors  
 b. Mechanical vectors  
 c. Biological reservoir  
 d. ☒ Both a and c
26. **If a person can be infected by direct contact with infected tissue of another person, it is termed as**  
 a. Indirect contact transmission  
 b. ☒ Attachment  
 c. Direct contact transmission  
 d. None of these
27. **Reduction of virulence is known as**  
 a. ☒ Exaltation b. Attenuation  
 c. Both a and b d. None of these
- 28.
- 29.

30. Enhancement of virulence is known as

- a. Exaltation
- b. Attenuation
- ☒ c. Both a and b
- d. None of these

31. The virulence of a pathogen is usually measured by

- a. LD
- ☒ b. MLD
- c. ID
- d. All of the above

32. The lethal dose required to kill 50% of the lab animals tested under standard called

- ☒ a. ID
- b. LD<sub>50</sub>
- c. ID<sub>50</sub>
- d. MLD

33. The most important virulence factors are

- a. Adhesions
- ☒ b. Invasiveness
- c. Toxigenicity
- d. Enzymes
- e. All of the above

34. The ability of a pathogen to spread in the host tissues after establishing the infection is known as

- a. Adhesion
- ☒ b. Invasiveness
- c. Toxigenicity
- d. None of these

35. Which of the following enzyme acts as a spreading factor?

- ☒ a. Hyaluronidase
- b. Coagulase
- c. Catalase
- d. DNase

36. Vibrio Cholerae was discovered by

- a. Koch
- ☒ b. Metchnikoff
- c. John Snow
- d. Virchow

37. E.coli was first isolated by

- a. Louis Pasteur
- ☒ b. Escherich
- c. Shiga
- d. Robert Koch

38. Mycobacterium tuberculosis was first discovered by

- a. Robert Koch
- ☒ b. Edward Jenner
- c. Louis Pasteur
- d. None of these

39. Mycobacterium lepre was discovered by

- a. Robert Koch
- ☒ b. Hansen

- c. Edward Jenner
- d. Louis Pasteur

40.

41. Streptococcus pneumoniae was isolated by

- a. Robert Koch
- b. Edward Jenner
- ☒ c. Antony von Leewenhock
- d. Louis Pasteur

42. B.anthraxis was isolated by

- a. Louis Pasteur
- b. Robert Koch
- ☒ c. Antony von Leewenhock
- d. None of these

43. Staphylococcus aureus was isolated by

- ☒ a. Rosenbach
- b. Louis Pasteur
- c. Passet
- d. Sir Alexander Ogston

44. Pseudomonas aeruginosa was first named

- a. Schroeter and Gessard
- b. Robert Koch
- c. Louis Pasteur
- ☒ d. Edward Jenner

45. Immunity is life long following

- a. Diphtheria
- ☒ b. Tetanus
- c. Measles
- d. Yellow fever

46. To prepare vaccine for small pox, the material used by Edward Jenner is

- a. Small pox material
- ☒ b. Chicken pox material
- c. Cow-pox material
- d. Measles material

47. During recombination, the strain that donates genetic material frequently with high rate:

- a. Hfr-Strain
- b. F<sup>+</sup>-Strain



- ☒ F-Strain      d. both a and c
48. The character acquired by the cell due to recombination is  
 a. Inheritable      b. Syppressed  
 c. ☒ Dominating      d. Heritable
49. T-cells are produced from  
 a. ☒ Bonemarrow      b. Thymus  
 c. Spleen      d. None of these
50. Antibodies are produced from  
 a. ☒ T-cells      b.  $\hat{a}$ -cells  
 c. NK cells      d. Eosinophils
51. Incomplete antigens are called  
 a. Immunogens      b. ☒ Epitomes  
 c. Haptens      d. Paratope
52. To be antigen, the chemical molecule (protein) needs  
 a. High molecular weight  
 b. Chemical complexity  
 c. Both a and b  
 d. ☒ None of these
53. The parts which filter lymph are  
 a. Lymph nodes      b. Spleen  
 c. Thymus      d. Bone marrow
54. The primary cells involved in immune response are  
 a. ☒ NK-cells      b. K-cells  
 c. Lymphocytes      d. None of these
55. Plasma cells are the end cells of  
 a. T-cells      b.  $\beta$ -cells  
 c. ☒ Killer cells      d. Nk-cells
56. Basophils have receptors for antibodies  
 a. IgG      b. ☒ IgA  
 c. IgM      d. IgE
57.      59.
58.      60.

61. Because of denaturation, antigens become functionless, these are called:

- a. Cross-reactive antigens
- b. Epitopes
- c. Hidden epitopes
- d. ☒ Forssman antigens

62. Capacity of antigen to breakdown into small fragments each with a single epitopic region is known as

- a. ☒ Solubility
- b. Foreignness
- c. Denaturation
- d. None of these

63. Antigenic specificity is due to

- a. ☒ Chemical complexity
- b. Solubility
- c. Steric configuration
- d. All of these

64. Antibodies are

- a. ☒ Proteins
- b. Glycoproteins
- c. Phospholipids
- d. None of these
- b. IgA
- b. IgG
- c. IgM
- d. IgD

65. Antibody present in colostrums is

- a. IgG
- b. IgA
- c. IgM
- d. ☒ IgE

66. Which antibody is called millionaire molecule?

- a. IgA
- b. IgM
- c. ☒ IgG
- d. IgD

67. IgE is discovered by

- a. Ishizaka
- b. ☒ Porter
- c. Richet
- d. None of these

61. which of the following pathogenic group cause poliomyelitis

- a. Helminths.
- b. protozoans.
- c. bacteria.
- d. ☒ viruses

62. Enveloped viruses have a \_\_\_\_ shape

- a. ☒ Icosahedral.
- b. Helical.
- c. Hexagonal.
- d. Roughly spherical

63. Type of nucleic acid of polio virus is

- a. ☒ ssRNA.
- b. dsRNA.
- c. ssDNA.
- d. dsDNA

64. Acidic fruits are more likely to be spoiled by

- a. Psychrophiles
- b. Thermophiles.
- c. ☒ Fungi.
- d. Bacteria

65. Most spoilage bacteria grows at \_\_\_\_\_

- a. Acidic.
- b. Basic.
- c. ☒ Neutral.
- d. None

66. Which of the following is a bullet shaped virus

- a. ☒ Rabies.
- b. Pox.
- c. Polio.
- d. Adeno

67. Malate dehydrogenase enzyme is a

- A. Transferase.
- B. Hydrolase.
- C. Isomerase.
- D. ☒ Oxido reductase

68. Bird flu disease is caused by

- A. ☒ Avian influenza virus.
- B. Human influenza virus
- C. Avian flu virus.
- D. Human flu virus

69. DNA replicate during

- A. G1- phase.
- B. ☒ S-phase.
- C. G2-phase.
- M-phase

70. The virus associated with fungi

- A. ☒ Mycophages.
- B. Pathogens.
- C. Cyanophages.
- D. None

71. Plant viruses were first classified by  
A. Stanley. B. Johanson. ☒ C. Iwanowski.  
D. Alhoff

72. Cancer of epithelial cells is called  
A. Sarcoma. B. Carcinoma. C. Leukemia.  
D. None

73. DNA replication is by the mechanism by  
A. Conservative. B. Semi conservative. C.  
Dispersive. D. None

74. Rabies is a lethal form of  
A. Enteritis. B. Encephalitis. C. Meningitis.  
D. Hepatitis

75. Example for rod shaped virus is  
A. Adeno virus. B. TMV. C. Poliovirus. D.  
Rhabdo virus

76. Nucleic acid contain  
A. Alanine. B. Adenine. C. Lysine. D.  
Arginine

77. The type of fungi commonly used as food  
is  
A. Yeast. B. Mushrooms. ☒ C. Both A&B. D.  
None

78. Fermentation process was discovered by  
A. Fleming. B. Gay-lussac.  
☒ C. Leeuwenhoek. D. Calvin

79. In E.coli att site is in between  
A. Gal and biogenes. B. Bio and niacin genes  
C. Gal and B gene. D. None

80. Basic raw material that can be used in  
fermentation  
A. Milk. B. ☒ Cereal.

C. Fruits. D. All the above

81. The most serious food borne disease  
A. Dysentery. B. Tetanus.  
☒ C. Botulism. D. Gas gangrene

82. An example for obligate parasitic  
organism  
A. Measles. B. Influenza. C. Rota. ☒ D. Rabi

83. Mycotoxins are produced by  
A. ☒ Molds. B. Bacteria.  
C. Virus. D. Dead bacteria

84. Viruses cannot be cultivated in  
A. ☒ Blood agar. B. Tissue culture.  
C. Live animals. D. Bird embryos

85. Sulfur strinked spoilage is caused by  
A. Bacillus species. B. C. nigrificans.  
C. Clostridium ☒ D. C. thermosaccharolyticum

86. Mumps disease is caused by  
A. Retro virus. B. ☒ Paramyxo virus.  
C. Orthomyxo virus. D. Rhabdo virus

87. Yeast is used for the production of  
A. Citric acid. B. Tartaric acid.  
☒ C. Ethanol. D. Butanol

88. Interferons are  
A. Antibacterial. B. Antiviral.  
C. Antifungal. D. Antiprotozoan

89. Viruses infecting blue green algae are  
A. ☒ Cyanophages. B. Mycophages.

Bacteriophage. D. Blue green phages

Envelope is commonly present in  
Bacteriophage. B. Plant viruses  
Animal viruses. D. Mycoviruses

DNA fingerprinting is based on  
Repetitive sequence. B. Unique sequence  
Amplified sequence. D. Non coding sequence

Viruses are inactivated by  
Sunlight. B. UV rays.  
Ionising radiation. D. None

The length of each coil in DNA strand is  
15A°. B. 34A°. C. 30A°. D. 5A°

Enzyme responsible for fermentation is  
Amylase. B. Lipase. C. Zymase. D. Ligase  
M

95. Double stranded RNA is seen in

A. Reo virus. B. Rhabdo virus.  
C. Parvo virus. D. Retro virus

96. HIV VIRUS was discovered by

A. Herelle & twort. B. Pirie&bawden.  
C. Gallow&montagnier D. Lederberg&tatum

97. Test used for AIDS is

A. Widal test. B. ELISA.  
C. Agglutination. D. CFT

98. Dehydration is a method of

A. Spoiling food. B. Preserving food.  
C. Freezing food. D. None

99. Reagenic type antibody is

A. IgG. B. IgA. C. IgM. D. IgE

100. Analysis of protein antigen is by

A. Southern blotting. B. Northern blotting  
C. Western blotting. D. Eastern blotting



## ANSWER KEY : GRAND TEST

1.a	11.b	21.b	31.b	41.c	51.b	61.d	71.b	81.c	91.b
2.a	12.c	22.c	32.a	42.c	52.d	62.a	72.b	82.d	92.d
3.a	13.b	23.a	33.b	43.a	53.c	63.a	73.b	83.a	93.b
4.b	14.d	24.b	34.b	44.d	54.a	64.c	74.a	84.a	94.c
5.b	15.c	25.c	35.a	45.b	55.c	65.c	75.a	85.d	95.a
6.a	16.d	26.b	36.b	46.b	56.b	66.a	76.b	86.b	96.c
7.b	17.b	27.a	37.d	47.c	57.b	67.d	77.c	87.c	97.b
8.d	18.a	28.d	38.b	48.c	58.b	68.a	78.b	88.b	98.b
9.c	19.b	29.b	39.b	49.a	59.b	69.b	79.a	89.a	99.d
10.b	20.b	30.e	40.a	50.c	60.a	70.a	80.d	90.c	100.c