

PG CET For Advanced Learners

To study in a coaching for higher studies can be beneficial for many students, especially those who thrive in structured environments and can utilize the resources effectively. Higher level Competitive exams test on the practical application of the learned skills and concepts too. This ensures that the candidates are not just academically sound but also capable of applying the knowledge in real life situations also.

S.G.S. ARTS COLLEGE

DEPARTMENT OF COMMERCE



PG-CET

2023-2024

PG CET

Name of the Department : DEPARTMENT OF COMMERCE

Academic Year : 2023-2024

Name of the Programme/Event	Date	Class	No. of Students participated	Remarks
PG CET	24.03.2024 to 04.07.2024	III B.Com CA and GEN	120	-----


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Dept. of Commerce
S.G.S. Arts College (TTD)
TIRUPATI - 517 501

INTIMATION

S.G.S.A.C/Commerce Dept/PGCET 2024

25.03.2024

All the final year students of B.Com are informed that coaching for PG-CET has been scheduled from 26.03.2024. The classes are conducted 3hrs per day and two classes in a week from 8.30 to 10 AM & 4.00 to 5.30 PM, in room number 308. So, the list of students selected based on III SEM results are instructed to attend the classes from 26.03.2024 onwards without fail.


Coordinator
HEAD
Dept. of Commerce
S.G.S. Arts College (TTD)
TIRUPATI - 517 501

To

1. All teaching staff of Commerce
2. Department for circulation.
3. Department notice board .

Enclose: Students List.

S.G.S. ARTS COLLEGE: TIRUPATI




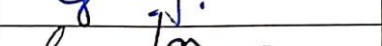

DEPARTMENT OF COMMERCE

CIRCULAR

25-03-2024

S.G.S A.C / Commerce / 2023-2024 / DM

The faculty members of department of commerce are informed that there will be a staff meeting at 3:00PM in the HOD chamber on 25-03-2024 to discuss about P.G CET coaching to be conducted for the final year students for the academic year 2023-24.

S.No.	Name of the Faculty	Mobile No.	Signature
1	Dr. B.Umamaheswari	8639403312	
2	Dr T.L. Narasimha Reddy	7013829806	
3	Dr. B.Yuvaraja Reddy	9000274149	
4	Dr.G.Manjula	9885453738	
5	Dr. P.Madhusudhana Rao	7013322687	

AGENDA:

- ✓ To discuss about of P.G CET coaching to be conducted for the final year students for the academic year 2023-24.
- ✓ 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:

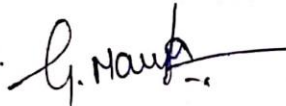
- ✚ The faculty members discussed about the schedule and time table for the P.G CET coaching and made the following resolutions unanimously.
- ✚ It was planned to conduct P.G CET coaching for the final year students in the Third week of March 2024.
- ✚ Dr.B.Umamaheswari was made Coordinator for the P.G CET coaching.

✚ The workload distribution for the P.G CET was as shown below.

✚ It was planned to conduct P.G CET coaching classes at the rate of 3hrs per day from 8.30 to 10 AM & 4.00 to 5.30 PM and two classes in a week.

S.No	Name of the Faculty	Subject	No of Hours
1	Dr.G.Manjula	Advance Corp A/c, Corporate Accounting	12
2	Dr. T.L Narasimha Reddy	Fundamentals of A/C, Business Economics, Auditing	12
3	Dr.B.Yuvaraja Reddy	CostAccounting, Income Tax	12
4	Dr. P.Madhusudhana Rao	, Business Statistics, Banking, Business Law, GST	12

Signatures:

1. 

2. 

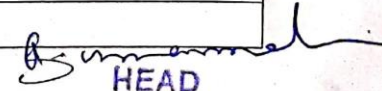
3. 

4. 

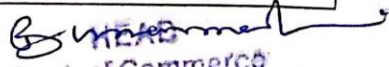

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DEPARTMENT OF COMMERCE
PGCET COACHING : STUDENTS NAME LIST


S.NO	ROLL NO	CLASS	NAME OF THE STUDENT
1	221151	BCom CA	AKEPATI PAVAN KUMAR REDDY
2	221152	BCom CA	ALARI SIVA KUMAR
3	221153	BCom CA	ANNADISETTY SOMA SEKHAR
4	221154	BCom CA	BADVEL SURENDRA KUMAR REDDY
5	221155	BCom CA	BAKKA SASIDHAR
6	221156	BCom CA	BATTA SIVAKUMAR YADAV
7	221157	BCom CA	BEERE RAVITEJA
8	221158	BCom CA	BONASI INDRAKUMAR
9	221159	BCom CA	BUKKE NAGARANI
10	221160	BCom CA	CHAKKARA NAGA PRASAD
11	221171	BCom CA	GANGADARI MUNISAI
12	221172	BCom CA	GOLLA YASWANTH NAIDU
13	221173	BCom CA	G YAMUNA
14	221174	BCom CA	JADAV SHASI KUMAR RAO
15	221175	BCom CA	KALUVA NAGA PAVAN KUMAR
16	221176	BCom CA	KAMMARI SHIVAKUMAR
17	221177	BCom CA	KANNUKADAN G JINSON
18	221178	BCom CA	KARAKAMBADI CHARANATH
19	221179	BCom CA	KARNATI NAGA DASTAGIRI REDDY
20	221180	BCom CA	KAVURI GANESH NAIDU
21	221181	BCom CA	KILLARI SUBHASHINI
22	221182	BCom CA	KOBAKU YUGANDHAR
23	221183	BCom CA	KOLE NAGA SASIDHAR SAI
24	221184	BCom CA	KONANAGIREDDY HARSHAVARDHAN REDDY
25	221185	BCom CA	KOMMISETTY MUNI MANOJ
26	221186	BCom CA	KONETI MUKTHANANDA
27	221187	BCom CA	KOPPALA NITHISH KUMAR
28	221188	BCom CA	KOTHAKOTA PARANDHAMA
29	221189	BCom CA	K REDDIESWAR
30	221190	BCom CA	K SURYAPRAKASH
31	221211	BCom CA	NASARI NAGA SURENDRA
32	221212	BCom CA	N LAKSHMI PRASANNA
33	221213	BCom CA	PADAMATINTI MASTHAN
34	221214	BCom CA	PADIGUNDLA YASHWANTH KUMAR NAIDU
35	221215	BCom CA	PALAKALA LOKESH


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36	221216	BCom CA	PALLAPOTHULA SAI TEJA
37	221217	BCom CA	PANDARAPU YUVASRI
38	221218	BCom CA	PEDDABOINA OBULESU
39	221219	BCom CA	PEDDIREDDY SARATH
40	221220	BCom CA	PEMMUGARI NANI KUMAR
41	221221	BCom CA	PONNAMAKULA PUNYAVATHI
42	221222	BCom CA	POOLA ARUNAKUMAR
43	221223	BCom CA	POOLA KEERTHI
44	221224	BCom CA	PRATAP NAIK BANAVATH
45	221225	BCom CA	PULIYALAM DURGA
46	221226	BCom CA	PUTAKA PAVAN KUMAR
47	221227	BCom CA	PUTTURU NEERAJA
48	221228	BCom CA	RAMAVATH PRATHAP NAIK
49	221229	BCom CA	SANIPOYNOLU MAHESH
50	221230	BCom CA	SHAIK UMAR
51	221231	BCom CA	SHEVOLLA MAHESH
52	221232	BCom CA	SINGAM POORNACHANDRA REDDY
53	221233	BCom CA	S PURUSHOTHAM
54	221234	BCom CA	SUNKARI SARATH KUMAR
55	221235	BCom CA	SURAPPA CHETTY YUGESH
56	221236	BCom CA	SURA LAKSHMI DEVI
57	221237	BCom CA	SURU REDDAIAH
58	221238	BCom CA	SURESH SOWMYA
59	221239	BCom CA	TAMBELE MOHAMMED ALI
60	221240	BCom CA	TATTE DEVENDRA
61	221241	BCom CA	THETTU JAI KUMAR
62	221242	BCom CA	THIPPARALA VANI
63	221243	BCom CA	THUMMALA BALA GANGADRI
64	221244	BCom CA	TULABANDI NAGA MUNENDRA
65	221245	BCom CA	VANKAYALA JETHENDRA KUMAR
66	221246	BCom CA	VINAYAKAM HEMA SRI
67	221247	BCom CA	YANAMALA VIJAYA SEKHAR
68	221248	BCom CA	Y S LAVAKUMAR
69	221001	BCom Gen	ADDURU USHA
70	221002	BCom Gen	ARAVA RAKESH
71	221003	BCom Gen	AYYAMGARI MANJU
72	221004	BCom Gen	BACHU SRINIVAS
73	221005	BCom Gen	BAJANTHRI REDDY LIKITH
74	221006	BCom Gen	BALAPEDDA YUGANDHAR
75	221007	BCom Gen	BAPANA RAVI KUMAR
76	221008	BCom Gen	BANDI MANI
77	221009	BCom Gen	BELLAMKONDA TIRUMALA TEJA
78	221010	BCom Gen	B GNANENDAR REDDY


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79	221011	BCom Gen	BONALA RAJKUMAR
80	221012	BCom Gen	BONDU VISHNUVARDHAN REDDY
81	221013	BCom Gen	BYADIGI NAGENDRA
82	221014	BCom Gen	BYNIBOYINI CHAITANYA YADAV
83	221015	BCom Gen	CHEMBETI GIRI BABU
84	221016	BCom Gen	CHEMURU SIVAIAH
85	221017	BCom Gen	CHIRRA HARI PRASAD REDDY
86	221019	BCom Gen	DEVA BHANU PRAKASH
87	221020	BCom Gen	GADIGALA ASHOK
88	221021	BCom Gen	GODUGU LOKESH
89	221022	BCom Gen	GOLLA CHINNA REDDAIAH NAIDU
90	221023	BCom Gen	GOLLAPALLI MAHESH
91	221024	BCom Gen	GONE CHAKRI GURU KOUSIK
92	221026	BCom Gen	GORTHALA HEMANTH KUMAR
93	221027	BCom Gen	G PRATEEP
94	221028	BCom Gen	GUNTHAGOGULA MADAN MOHAN ACHARI
95	221029	BCom Gen	JADA PRAVEEN
96	221030	BCom Gen	KAALUVAPALLE PRABHASH
97	221031	BCom Gen	KAAMATAM JAYAKRISHNA
98	221032	BCom Gen	KALICHAPPIDI RAJESH
99	221033	BCom Gen	KALIKIRI VIMALA
100	221034	BCom Gen	KAMASANI REKHA
101	221035	BCom Gen	KATARI SUNIL KUMAR
102	221036	BCom Gen	KAVADI JAGADEESH
103	221037	BCom Gen	KAVALI VASU
104	221039	BCom Gen	K BUDADODDI
105	221040	BCom Gen	KENGANA DHANUNJAY
106	221041	BCom Gen	KILA VIJAY
107	221042	BCom Gen	KOBAKU LIKHITHA
108	221043	BCom Gen	KOGILA MADHU
109	221044	BCom Gen	KONAPPAGARI KUMAR
110	221045	BCom Gen	KONETI BHANU PRASAD
111	221046	BCom Gen	KOPPALA KALYAN
112	221047	BCom Gen	KOPPALA SISINDRI
113	221048	BCom Gen	KORAMUTLA HARSHA VARDHAN
114	221049	BCom Gen	KORRA BHANU PRAKASH NAIK
115	221050	BCom Gen	KOVI LAKSHMANUDU
116	221051	BCom Gen	K VINAY KUMAR
117	221052	BCom Gen	MALLAVARAPU SIVAKUMAR
118	221053	BCom Gen	MALLENI DIVYA
119	221054	BCom Gen	MANDA VENKATESH
120	221055	BCom Gen	MANGALAMPATI KUSUMA


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DEPARTMENT OF COMMERCE
PGCET COACHING PLAN

VENUE: Room No.308

Week	Date	Time	Topic	Faculty In charge
Week-1	26/03/2024	8.30-10.00	Fundamentals of Accounting	Dr.B.Yuvaraja Reddy
		4.00-5.30	Business Law	Dr.P.MadhusudhanaRao
	27/03/2024	8.30-10.00	Fundamentals of Accounting	Dr.B.Yuvaraja Reddy
		4.00-5.30	Business Law	Dr.P.MadhusudhanaRao
Week-2	28/03/2024	8.30-10.00	Fundamentals of Accounting	Dr.B.Yuvaraja Reddy
		4.00-5.30	Banking	Dr.P.MadhusudhanaRao
	29/03/2024	8.30-10.00	Fundamentals of Accounting	Dr.B.Yuvaraja Reddy
		4.00-5.30	Banking	Dr.P.MadhusudhanaRao
Week-3	01/04/2024	8.30-10.00	Corporate Accounts	Dr.G.Manjula
		4.00-5.30	Auditing	Dr.B.Yuvaraja Reddy
	02/04/2024	8.30-10.00	Corporate Accounts	Dr.G.Manjula
		4.00-5.30	Auditing	Dr.B.Yuvaraja Reddy
Week-4	04/04/2024	8.30-10.00	Corporate Accounts	Dr.G.Manjula
		4.00-5.30	Income Tax	Dr.T.L Reddy
	05/04/2024	8.30-10.00	Corporate Accounts	Dr.G.Manjula
		4.00-5.30	Income Tax	Dr.T.L Reddy
Week-5	10/04/2024	8.30-10.00	Business Statistics	Dr.P.MadhusudhanaRao
		4.00-5.30	Income Tax	Dr.T.L Reddy
	11/04/2024	8.30-10.00	Business Statistics	Dr.P.MadhusudhanaRao
		4.00-5.30	Income Tax	Dr.T.L Reddy
Week-6	22/04/2024	8.30-10.00	Advance Corporate Accounting	Dr.G.Manjula
		4.00-5.30	Goods and Service Tax	Dr.P.MadhusudhanaRao
	23/04/2024	8.30-10.00	Advance Corporate Accounting	Dr.G.Manjula
		4.00-5.30	Goods and Service Tax	Dr.P.MadhusudhanaRao
Week-7	24/04/2024	8.30-10.00	Advance Corporate Accounting	Dr.G.Manjula
		4.00-5.30	Cost Accounting	Dr.T.L Reddy
	25/04/2024	8.30-10.00	Advance Corporate Accounting	Dr.G.Manjula
		4.00-5.30	Cost Accounting	Dr.T.L Reddy
Week-8	26/06/2024	8.30-10.00	Cost Accounting	Dr.T.L Reddy
		4.00-5.30	Business Economics	Dr.B.Yuvaraja Reddy
	27/06/2024	8.30-10.00	Cost Accounting	Dr.T.L Reddy
		4.00-5.30	Business Economics	Dr.B.Yuvaraja Reddy

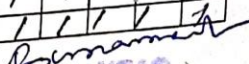

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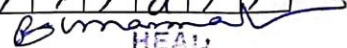
Week-9	28/04/2024	8.30-10.00	Advance Corporate Accounting	Dr.G.Manjula
		4.00-5.30	Cost Accounting	Dr.T.L Reddy
	29/04/2024	8.30-10.00	Advance Corporate Accounting	Dr.G.Manjula
		4.00-5.30	Cost Accounting	Dr.T.L Reddy
Week-10	01/07/2024	8.30-10.00	Cost Accounting	Dr.T.L Reddy
		4.00-5.30	Business Economics	Dr.B.Yuvaraja Reddy
	02/07/2024	8.30-10.00	Cost Accounting	Dr.T.L Reddy
		4.00-5.30	Business Economics	Dr.B.Yuvaraja Reddy


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S.No.	Name of the Student	26.03.2024		27.03.2024		28.03.2024		29.03.2024		01.04.2024		02.04.2024		04.04.2024		05.04.2024		10.04.2024		11.04.2024		22.04.2024		23.04.2024		24.04.2024		25.04.2024		26.06.2024		27.06.2024	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1	AKEPATI PAVAN KUMAR REDDY	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	ALARI SIVA KUMAR	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3	ANNADISETTY SOMA SEKHAR	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4	BADVEL SURENDRA KUMAR REDDY	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
5	BAKKA SASIDHAR	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6	BATTA SIVAKUMAR YADAV	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7	BEERE RAVITEJA	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8	BONASI INDRAKUMAR	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9	BUKKE NAGARANI	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10	CHAKKARA NAGA PRASAD	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11	GANGADARI MUNISAI	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	GOLLA YASWANTH NAIDU	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
13	G YAMUNA	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
14	JADAV SHASI KUMAR RAO	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
15	KALUVA NAGA PAVAN KUMAR	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
16	KAMMARI SHIVAKUMAR	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
17	KANNUKADAN G JINSON	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
18	KARAKAMBADI CHARANATH	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
19	KARNATI NAGA DASTAGIRI REDDY	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
20	KAVURI GANESH NAIDU	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
21	KILLARI SUBHASHINI	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
22	KOBAKU YUGANDHAR	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
23	KOLE NAGA SASIDHAR SAI	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
24	KONANAGIREDDY HARSHAVARDHAN REDDY	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
25	KOMMISETTY MUNI MANOJ	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
26	KONETI MUKTHANANDA	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
27	KOPPALA NITHISH KUMAR	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
28	KOTHAKOTA PARANDHAMA	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
29	K REDDIESWAR	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
30	K SURYAPRAKASH	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
31	NASARI NAGA SURENDRA	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
32	N LAKSHMI PRASANNA	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
33	PADAMATINTI MASTHAN	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
34	PADIGUNDLA YASHWANTH KUMAR NAIDU	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
35	PALAKALA LOKESH	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/


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 Dept. of Commerce
 S.G.S. Arts College (TTD)

S.No.	Name of the Student	26.03.2024		27.03.2024		28.03.2024		29.03.2024		01.04.2024		02.04.2024		04.04.2024		05.04.2024		10.04.2024		11.04.2024		22.04.2024		23.04.2024		24.04.2024		25.04.2024		26.06.2024		27.06.2024	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
73	BAJANTHRI REDDY LIKITH	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/
74	BALAPEDDA YUGANDHAR	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/
75	BAPANA RAVI KUMAR	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
76	BANDI MANI	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/
77	BELLAMKONDA TIRUMALA TEJA	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	a	/	/	/	/	/
78	B GNANENDAR REDDY	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/
79	BONALA RAJKUMAR	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/
80	BONDU VISHNUVARDHAN REDDY	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	a	/	/
81	BYADIGI NAGENDRA	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/
82	BYNIBOYINI CHAITANYA YADAV	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	a
83	CHEMBETI GIRI BABU	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
84	CHEMURU SIVIAIAH	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/
85	CHIRRA HARI PRASAD REDDY	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
86	DEVA BHANU PRAKASH	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
87	GADIGALA ASHOK	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
88	GODUGU LOKESH	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
89	GOLLA CHINNA REDDAIAH NAIDU	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a
90	GOLLAPALLI MAHESH	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	a	/
91	GONE CHAKRI GURU KOUSIK	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	a	/
92	GORTHALA HEMANTH KUMAR	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/
93	G PRATEEP	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/
94	GUNTHAGOGULA MADAN MOHAN ACHARI	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	a
95	JADA PRAVEEN	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	a
96	KAALUVAPALLE PRABHASH	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
97	KAAMATAM JAYAKRISHNA	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
98	KALICHAPPIDI RAJESH	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a
99	KALIKIRI VIMALA	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
100	KAMASANI REKHA	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a
101	KATARI SUNIL KUMAR	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
102	KAVADI JAGADEESH	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a
103	KAVALI VASU	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
104	K BUDADODDI	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
105	KENGANA DHANUNJAY	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/
106	KILA VIJAY	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
107	KOBAKU LIKHITHA	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
108	KOGILA MADHU	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/

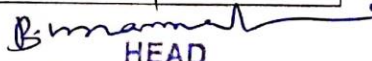

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 Dept. of Commerce
 S.G.S. Arts College (TTD)

S.No.	Name of the Student	26.03.2024		27.03.2024		28.03.2024		29.03.2024		01.04.2024		02.04.2024		04.04.2024		05.04.2024		10.04.2024		11.04.2024		22.04.2024		23.04.2024		24.04.2024		25.04.2024		26.06.2024		27.06.2024	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
109	KONAPPAGARI KUMAR	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	a	/	/	/
110	KONETI BHANU PRASAD	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/
111	KOPPALA KALYAN	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
112	KOPPALA SISINDRI	/	/	/	/	/	/	a	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/
113	KORAMUTLA HARSHA VARDHAN	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	a	/	/	/	/	/
114	KORRA BHANU PRAKASH NAIK	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
115	KOVI LAKSHMANUDU	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
116	K VINAY KUMAR	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/
117	MALLAVARAPU SIYAKUMAR	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/
118	MALLENI DIVYA	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
119	MANDA VENKATESH	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/
120	MANGALAMPATI KUSUMA	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/

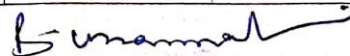

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 Dept. of Commerce
 S.G.S. Arts College (TTD)
 TIRUPATI - 517 501

DEPARTMENT OF COMMERCE
PGCET COACHING : STUDENTS MARKS LIST

S.NO	Roll No	Name of the student	Grand Test
			30/06/2022 (Max Marks): 50
1	221151	AKEPATI PAVAN KUMAR REDDY	40
2	221152	ALARI SIVA KUMAR	42
3	221153	ANNADISETTY SOMA SEKHAR	39
4	221154	BADVEL SURENDRA KUMAR REDDY	42
5	221155	BAKKA SASIDHAR	40
6	221156	BATTA SIVAKUMAR YADAV	40
7	221157	BEERE RAVITEJA	42
8	221158	BONASI INDRAKUMAR	43
9	221159	BUKKE NAGARANI	45
10	221160	CHAKKARA NAGA PRASAD	42
11	221171	GANGADARI MUNISAI	45
12	221172	GOLLA YASWANTH NAIDU	36
13	221173	G YAMUNA	43
14	221174	JADAV SHASI KUMAR RAO	40
15	221175	KALUVA NAGA PAVAN KUMAR	40
16	221176	KAMMARI SHIVAKUMAR	40
17	221177	KANNUKADAN G JINSON	45
18	221178	KARAKAMBADI CHARANATH	41
19	221179	KARNATI NAGA DASTAGIRI REDDY	42
20	221180	KAVURI GANESH NAIDU	42
21	221181	KILLARI SUBHASHINI	40
22	221182	KOBAKU YUGANDHAR	39
23	221183	KOLE NAGA SASIDHAR SAI	38
24	221184	KONANAGIREDDY HARSHAVARDHAN REDDY	44
25	221185	KOMMISETTY MUNI MANOJ	45
26	221186	KONETI MUKTHANANDA	42
27	221187	KOPPALA NITHISH KUMAR	40
28	221188	KOTHAKOTA PARANDHAMA	39
29	221189	K REDDIESWAR	40
30	221190	K SURYAPRAKASH	42
31	221211	NASARI NAGA SURENDRA	42
32	221212	N LAKSHMI PRASANNA	45
33	221213	PADAMATINTI MASTHAN	39


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 Dept. of Commerce
 S.G.S. Arts College (TTD)
 TIRUPATI - 517 501

34	221214	PADIGUNDLA YASHWANTH KUMAR NAIDU	37
35	221215	PALAKALA LOKESH	36
36	221216	PALLAPOTHULA SAI TEJA	40
37	221217	PANDARAPU YUVASRI	42
38	221218	PEDDABOINA OBULESU	39
39	221219	PEDDIREDDY SARATH	40
40	221220	PEMMUGARI NANI KUMAR	42
41	221221	PONNAMAKULA PUNYAVATHI	44
42	221222	POOLA ARUNAKUMAR	40
43	221223	POOLA KEERTHI	45
44	221224	PRATAP NAIK BANAVATH	42
45	221225	PULIYALAM DURGA	39
46	221226	PUTAKA PAVAN KUMAR	40
47	221227	PUTTURU NEERAJA	45
48	221228	RAMAVATH PRATHAP NAIK	42
49	221229	SANIPOYNOLU MAHESH	42
50	221230	SHAIK UMAR	40
51	221231	SHEVOLLA MAHESH	41
52	221232	SINGAM POORNACHANDRA REDDY	44
53	221233	S PURUSHOTHAM	43
54	221234	SUNKARI SARATH KUMAR	42
55	221235	SURAPPA CHETTY YUGESH	40
56	221236	SURA LAKSHMI DEVI	42
57	221237	SURU REDDAIAH	40
58	221238	SURESH SOWMYA	40
59	221239	TAMBELE MOHAMMED ALI	38
60	221240	TATTE DEVENDRA	39
61	221241	THETTU JAI KUMAR	40
62	221242	THIPPARALA VANI	42
63	221243	THUMMALA BALA GANGADRI	40
64	221244	TULABANDI NAGA MUNENDRA	40
65	221245	VANKAYALA JETHENDRA KUMAR	41
66	221246	VINAYAKAM HEMA SRI	42
67	221247	YANAMALA VIJAYA SEKHAR	41
68	221248	Y S LAVAKUMAR	42
69	221001	ADDURU USHA	40
70	221002	ARAVA RAKESH	40
71	221003	AYYAMGARI MANJU	42
72	221004	BACHU SRINIVAS	39
73	221005	BAJANTHRI REDDY LIKITH	38
74	221006	BALAPEDDA YUGANDHAR	37


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 S.G.S. Arts College (TTD)
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75	221007	BAPANA RAVI KUMAR	40
76	221008	BANDI MANI	38
77	221009	BELLAMKONDA TIRUMALA TEJA	41
78	221010	B GNANENDAR REDDY	42
79	221011	BONALA RAJKUMAR	43
80	221012	BONDU VISHNUVARDHAN REDDY	42
81	221013	BYADIGI NAGENDRA	40
82	221014	BYNIBOYINI CHAITANYA YADAV	44
83	221015	CHEMBETI GIRI BABU	43
84	221016	CHEMURU SIVAIAH	40
85	221017	CHIRRA HARI PRASAD REDDY	40
86	221019	DEVA BHANU PRAKASH	42
87	221020	GADIGALA ASHOK	41
88	221021	GODUGU LOKESH	41
89	221022	GOLLA CHINNA REDDAIAH NAIDU	40
90	221023	GOLLAPALLI MAHESH	40
91	221024	GONE CHAKRI GURU KOUSIK	45
92	221026	GORTHALA HEMANTH KUMAR	40
93	221027	G PRATEEP	40
94	221028	GUNTHAGOGULA MADAN MOHAN ACHARI	39
95	221029	JADA PRAVEEN	39
96	221030	KAALUVAPALLE PRABHASH	41
97	221031	KAAMATAM JAYAKRISHNA	41
98	221032	KALICHAPPIDI RAJESH	40
99	221033	KALIKIRI VIMALA	40
100	221034	KAMASANI REKHA	42
101	221035	KATARI SUNIL KUMAR	41
102	221036	KAVADI JAGADEESH	41
103	221037	KAVALI VASU	38
104	221039	K BUDADODDI	44
105	221040	KENGANA DHANUNJAY	42
106	221041	KILA VIJAY	42
107	221042	KOBAKU LIKHITHA	43
108	221043	KOGILA MADHU	41
109	221044	KONAPPAGARI KUMAR	42
110	221045	KONETI BHANU PRASAD	46
111	221046	KOPPALA KALYAN	40
112	221047	KOPPALA SISINDRI	41
113	221048	KORAMUTLA HARSHA VARDHAN	40
114	221049	KORRA BHANU PRAKASH NAIK	39
115	221050	KOVI LAKSHMANUDU	39
116	221051	K VINAY KUMAR	40

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S.G.S. Arts College (TTD)
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117	221052	MALLAVARAPU SIVAKUMAR	40
118	221053	MALLENI DIVYA	42
119	221054	MANDA VENKATESH	42
120	221055	MANGALAMPATI KUSUMA	44


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 S.G.S. Arts College (TTD)
 TIRUPATI - 517 501

S.G.S ARTS COLLEGE

STUDENT FEED BACK FORM

Date:

Academic year:2023-24

Semester: VI

Name of the programme: Coaching for PG-CET

Department: COMMERCE

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	✓ Toomuch
4	was the time given for questions	Very little	Less	Average	✓ Lots	Toomuch
5	Was it useful for future	Very useless	Useless	✓ Average	Useful	Verymuch
6	To What extent you have learnt from this programme	Very little	Less	✓ Average	Lots	Toomuch
7	What is your all rating to this programme	Very poor	Poor	Average	✓ Good	Excellent

General Comments: This programme has classified the entrance to PG by attending PG CET

Students Signature:

G. Himanshu

Date:

S.G.S ARTS COLLEGE: TIRUPATI
DEPARTMENT OF COMMERCE
PGCET COACHING FOR THE ACADEMIC YEAR 2023-24
NOTICE

All the enrolled students of PG CET are hereby informed that the Final Examination will be held on 25-07-2024.


Coordinator
HEAD
Dept. of Commerce
S.G.S. Arts College (TTD)
TIRUPATI - 517 501

S.G.S ARTS COLLEGE

STUDENT FEED BACK FORM

Date:

Semester: VI

Academic year: 2023-24

Name of the programme: Coaching for PGCET

Department: COMMERCE

If you have attended our PGCET 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				
		Very poor	Poor	Average	Good	Excellent
1	Content of the programme					✓
2	Presentation style & delivery				✓	
3	Was it motivating					✓
4	was the time given for questions			✓		
5	Was it useful for future				✓	
6	To What extent you have learnt from this programme			✓		
7	What is your all rating to this programme				✓	

General Comments: over all good & I Learnt are new thing in the sessions it will be better to improved me.

Students Signature: Raghavendra

Date:

S.G.S ARTS COLLEGE
STUDENT FEED BACK FORM

Date:

Semester: VI

Academic year: 2023-24

Name of the programme: Coaching for PG CET

Department: COMMERCE

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				
		Very poor	Poor	Average	Good	Excellent
1	Content of the programme				✓	
2	Presentation style & delivery					✓
3	Was it motivating				✓	
4	was the time given for questions					
5	Was it useful for future				✓	
6	To What extent you have learnt from this programme			✓		
7	What is your all rating to this programme					✓

General Comments: It is useful for PG CET Coaching

Students Signature:



Date:

S.G.S ARTS COLLEGE

STUDENT FEED BACK FORM

Date:

Semester: VI

Academic year: 2023-24

Name of the programme: Coaching for PG CET

Department: COMMERCE

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				
		Very poor	Poor	Average	Good	Excellent
1	Content of the programme				✓	
2	Presentation style & delivery			✓		
3	Was it motivating					✓
4	was the time given for questions					✓
5	Was it useful for future				✓	
6	To What extent you have learnt from this programme			✓		
7	What is your all rating to this programme					✓

General Comments: It was encouraged me. go for further studies

Students Signature:



Date:

S.G.S ARTS COLLEGE

STUDENT FEED BACK FORM

Date:

Academic year: 2023-24

Semester: VI

Name of the programme: Coaching for PG CET

Department: COMMERCE

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				
		Very poor	Poor	Average	Good	Excellent
1	Content of the programme					✓
2	Presentation style & delivery			✓		
3	Was it motivating			✓		
4	was the time given for questions				✓	
5	Was it useful for future			✓		
6	To What extent you have learnt from this programme					✓
7	What is your all rating to this programme				✓	

General Comments: *Excellent Coaching for PG CET for further study*

Students Signature: *Boya Ravi Kumar*

Date:

S.G.S ARTS COLLEGE

STUDENT FEED BACK FORM

Date:

Academic year: 2023-24

Semester: VI

Name of the programme: Coaching for PGCET

Department: COMMERCE

If you have attended our PGCET 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				
		Very poor	Poor	Average	Good	Excellent
1	Content of the programme					✓
2	Presentation style & delivery			✓		
3	Was it motivating					✓
4	was the time given for questions				✓	
5	Was it useful for future			✓		
6	To What extent you have learnt from this programme					✓
7	What is your all rating to this programme				✓	

General Comments: It is very useful for higher studies

Students Signature: S. Chandrapurna

Date:

S.G.S ARTS COLLEGE
STUDENT FEED BACK FORM

Date:

Semester: VI

Academic year: 2023-24

Name of the programme: Coaching for PG CET

Department: COMMERCE

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	<input checked="" type="checkbox"/> Average	<input checked="" type="checkbox"/> Good	Excellent
2	Presentation style & delivery	Very poor	Poor	<input checked="" type="checkbox"/> Average	<input checked="" type="checkbox"/> Good	Excellent
3	Was it motivating	Very little	Less	<input checked="" type="checkbox"/> Average	<input checked="" type="checkbox"/> Lots	Too much
4	was the time given for questions	Very little	Less	<input checked="" type="checkbox"/> Average	<input checked="" type="checkbox"/> Lots	Too much
5	Was it useful for future	Very useless	Useless	<input checked="" type="checkbox"/> Average	<input checked="" type="checkbox"/> Useful	Very much
6	To What extent you have learnt from this programme	Very little	Less	<input checked="" type="checkbox"/> Average	<input checked="" type="checkbox"/> Lots	Too much
7	What is your all rating to this programme	Very poor	Poor	<input checked="" type="checkbox"/> Average	<input checked="" type="checkbox"/> Good	<input checked="" type="checkbox"/> Excellent

General Comments: it is very useful for higher studies

Students Signature: *S. Ravi*

Date:



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DEPARTMENT OF MICROBIOLOGY

CIRCULAR

ACADEMIC YEAR 2023-2024

01-02-2024

S.G.S A.C / MICROBIOLOGY / 2024 / 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 01-02-2024 to discuss about P.G CET coaching to be conducted for the final year students for the academic year 2023-2024.

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

AGENDA:

- To discuss about of P.G CET coaching to be conducted for the final year students for the academic year 2023-24.
- 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 February 2023.
- ❖ Smt. Dr. V. Venkatalakshmi was made Coordinator for the P.G CET coaching.
- ❖ The workload distribution for the P.G CET was as shown bellow.
- ❖ It was planned to conduct P.G CET coaching classes at the rate of 1hr everyday from 4.00 to 6.00 PM.

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

Signatures:

1. *Dr K. Sridevi*

V. Venkatalakshmi
Head of Microbiology.

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SGS ARTS COLLEGE
TIRUPATI-517501 (A.P.)



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PERMISSION LETTER

01-02-2024

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 01-02-2024 requesting permission-Reg

This is to be bring for your kind information that the Department of Microbiology is Conducting **PGCET COACHING** on date 01-02-2024 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

H.O.D

HEAD
DEPT. OF MICROBIOLOGY
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Yours faithfully,
.k.Sridevi



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INTIMATION

SGSAC/Microbiology dept/PGCET 2023/HOD/01

01-02-2024

All the final year students of B.Sc Microbiology are informed that coaching for P.G CET has been scheduled to commence from 05-02-2024. The classes are conducted at the rate of 1hr everyday from 4.00 to 6.00 PM, in room number 318. So, the interested students are instructed to enroll their name on or before 05-02-2024.


H.O.D of the Department

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To

All teaching staff of chemistry
Department for circulation.
Department notice board



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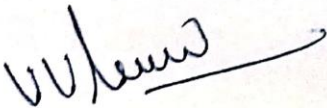


Student supporting programs / Events conducted

Name of the Department: Microbiology

Academic year:2023-2024

S. No	Name of the Program/ Event	Date	Class	No. of Students Participated	Remark
1	PGCET	05-02-2024	B.Sc.MZC	13	-


HOD
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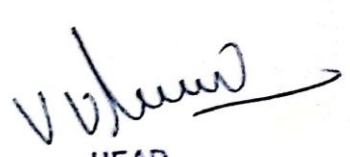


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Department of MICROBIOLOGY
EVENT ORGANISED REPORT-2023-2024

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	13
7	Objective of the Event	An ability to develop critical thinking and efficienciency in competitive field.
8	Outcome of the Event	To provide maximum scope for succeeding higher education in Microbiology.


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DEPT. OF MICROBIOLOGY
SGS ARTS COLLEGE
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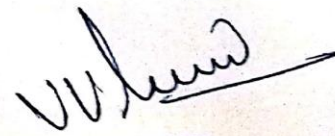
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DEPARTMENT OF MICROBIOLOGY

PGCET COACHING : STUDENT NAME LIST

S.NO	CLASS	Name of the student
1	MZC	A Nikhil
2	MZC	B Bhavya
3	MZC	B Siddesh
4	MZC	D Homanjali
5	MZC	E Bhargavi
6	MZC	K Uppendra Reddy
7	MZC	M Pavan Kalyan
8	MZC	M Nithish Koushik
9	MZC	P Abhisai babu
10	MZC	P Nynakshitha
11	MZC	T Nivedha
12	MZC	R. Vasavi
13	MZC	P. Mahesh


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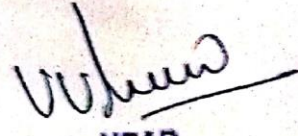
DEPARTMENT OF MICROBIOLOGY

PGCET COACHING PLAN

PROGRAMME SCHEDULE: (WEEKLY 12HRS) VENUE : Room No.316

Day	Date	Time	Topic	Faculty incharge
Day-01	05-02-2024	4 PM – 6 PM	INTRODUCTION TO MICROBIOLOGY AND MICROBIAL DIVERSITY	Smt. Dr. K. Sridevi
Day-02	06-02-2024	4 PM – 6 PM	CONTRIBUTIONS OF SCIENTISTS, CLASSIFICATION OF MICROORGANISMS.	Smt. Dr. K. Sridevi
Day-03	07-02-2024	4 PM – 6 PM	STERILIZATION METHODS	Smt. Dr. K. Sridevi
Day-04	08-02-2024	4 PM – 6 PM	ULTRA STRUCTURE OF BACTERIA	Smt. Dr. K. Sridevi
Day-05	09-02-2024	4 PM – 6 PM	VIRUSES AND CLASSIFICATION	Smt. Dr. K. Sridevi
Day-06	10-02-2024	4 PM – 6 PM	FUNGI, ALGAE AND PROTOZOA	Smt. Dr. K. Sridevi
Day-07	12-02-2024	4 PM – 6 PM	MICROSCOPY AND STAINING.	Smt. Dr. K. Sridevi
Day-08	13-02-2024	4 PM – 6 PM	ISOLATION AND PRESERVATION OF MICROORGANISMS	Smt. Dr. K. Sridevi

Day-09	14-02-2024	4 PM – 6 PM	MICROBIAL BIOCHEMISTRY	Smt. Dr. K. Sridevi
Day-10	15-02-2024	4 PM – 6 PM	MICROBIAL METABOLISM	Smt. Dr. K. Sridevi
Day-11	16-02-2024	4 PM – 6 PM	MICROBIAL GENETICS	Smt. Dr. K. Sridevi
Day-12	17-02-2024	4 PM – 6 PM	MOLECULAR BIOLOGY	Smt. Dr. K. Sridevi
Day-13	19-02-2024	4 PM – 6 PM	P.G MODEL TEST - 01	Smt. Dr. K. Sridevi
Day-14	20-02-2024	4 PM – 6 PM	PROTEIN SYNTHESIS	Smt. Dr. K. Sridevi
Day-15	21-02-2024	4 PM – 6 PM	CLINICAL MICROBIOLOGY	Smt. Dr. K. Sridevi
Day-16	22-02-2024	4 PM – 6 PM	MEDICAL MICROBIOLOGY	Smt. Dr. K. Sridevi
Day-17	23-02-2024	4 PM – 6 PM	ANTIMICROBIAL AGENTS	Smt. Dr. K. Sridevi
Day-18	24-02-2024	4 PM – 6 PM	VACCINES	Smt. Dr. K. Sridevi
Day-19	26-02-2024	4 PM – 6 PM	ENVIRONMENTAL MICROBIOLOGY	Smt. Dr. K. Sridevi
Day-20	27-02-2024	4 PM – 6 PM	SOLID AND LIQUID WASTE MANAGEMENT	Smt. Dr. K. Sridevi
Day-21	28-02-2024	4 PM – 6 PM	HAZARD ANALYSIS	Smt. Dr. K. Sridevi
Day-22	29-02-2024	4 PM – 6 PM	FOOD MICROBIOLOGY	Smt. Dr. K. Sridevi
Day-23	01-03-2024	4 PM – 6 PM	PG MODEL TEST-2	Smt. Dr. K. Sridevi
Day-24	04-03-2024	4 PM – 6 PM	PG GRAND TEST	Smt. Dr. K. Sridevi


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DEPARTMENT OF MICROBIOLOGY
PG CET COACHING CLASSES: STUDENTS ATTENDANCE

PG CET 2023 - 2024

Name of the Office			Attendance										Register										Month		Daily									
			Student Selected										from 4 th Semester X th Results										Year		Casting									
S. No.	NAME	Designation	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Remarks
S.No	H.T.N.O	NAME	Marks	01-02-2024	02-02-2024	03-02-2024	04-02-2024	05-02-2024	06-02-2024	07-02-2024	08-02-2024	09-02-2024	10-02-2024	11-02-2024	12-02-2024	13-02-2024	14-02-2024	15-02-2024	16-02-2024	17-02-2024	18-02-2024	19-02-2024	20-02-2024	21-02-2024	22-02-2024	23-02-2024	24-02-2024	25-02-2024	26-02-2024	27-02-2024	28-02-2024	29-02-2024	30-02-2024	
01	0300008061	A. Nikhil	7.50	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		
02	0300008062	B. Bhavya	8.0	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		
03	0300008066	B. Shiddesh	9.1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		
04	0300008069	D. Hemanjali	9.1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		
05	0300008070	E. Bhargavi	9.5	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		
06	0300008072	K. Upendra Reddy	9.3	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		
07	0300008081	M. Pavan Kalyan	9.5	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		
08	0300008084	M. Nithish Koushik	7.8	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		
09	0300008089	M. P. Abishai Babu	9.3	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		
10	0300008093	P. Nynakshitha	9.3	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		
11	0300008095	R. Vasavi	6.3	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		
12	0300008092	P. Mahesh	8.2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		
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Department of Microbiology - 2023 to 2024

P.G ENTRANCE MODEL TEST - 01

1. Which of the following is NOT a prokaryote?

- A) Bacteria. B) Archaea
C) Fungi. D) Cyanobacteria

2. Gram-positive bacteria stain purple because of:

- A) A thick peptidoglycan layer B) Lipopolysaccharides
C) Flagella. D) Outer membrane

3. Which bacterial genus is known for nitrogen fixation?

- A) Rhizobium. B) Clostridium
C) Escherichia. D) Bacillus

4. Which of the following is an example of a biofilm-forming bacterium?

- A) Bacillus subtilis. B) Pseudomonas aeruginosa

C) *Escherichia coli*. D) *Staphylococcus epidermidis*

5. What is the role of pili in bacteria?

A) Motility. B) DNA transfer

C) Spore formation. D) Photosynthesis

6. Which microorganism is commonly used in the production of beer and bread?

A) *Escherichia coli*. B) *Penicillium chrysogenum*

C) *Saccharomyces cerevisiae*. D) *Streptococcus pyogenes*

7. The first antibiotic discovered was:

A) Tetracycline. B) Penicillin

C) Streptomycin. D) Ampicillin

8. The causative agent of tuberculosis is:

A) *Staphylococcus aureus*. B) *Mycobacterium tuberculosis*

C) *Escherichia coli*. D) *Streptococcus pneumoniae*

9. Which of the following organisms is a spore-forming bacterium?

A) *Staphylococcus aureus*. B) *Bacillus anthracis*

C) *Pseudomonas aeruginosa*. D) *Escherichia coli*

10. Which of the following is a characteristic of Archaea?

A) Peptidoglycan cell wall. B) Presence of introns in genes

C) Pathogenicity to humans. D) Photosynthesis

11. Which staining technique is used to differentiate between gram-positive and gram-negative bacteria?

- A) Acid-fast staining. B) Gram staining
C) Capsule staining. D) Endospore staining

12. In bacterial genetics, the transfer of DNA from one bacterium to another via a bacteriophage is known as:

- A) Transformation. B) Conjugation
C) Transduction. D) Mutation

13. Which microorganism is used in the production of biofuels?

- A) *Bacillus subtilis*. B) *Clostridium acetobutylicum*
C) *Escherichia coli*. D) *Neisseria meningitidis*

14. What is the name of the process by which bacteria replicate asexually?

- A) Meiosis. B) Binary fission
C) Conjugation. D) Transformation

15. Which of the following bacteria is known for causing botulism?

- A) *Clostridium botulinum*. B) *Bacillus anthracis*
C) *Escherichia coli*. D) *Listeria monocytogenes*

16. Which of the following is a component of the outer membrane of gram-negative bacteria?

- A) Teichoic acids. B) Peptidoglycan
C) Lipopolysaccharide (LPS). D) Mycolic acids

17. Endospores are resistant to:

- A) High temperatures. B) UV radiation
C) Disinfectants. D) All of the above

18. Bacteriophages are:

- A) Viruses that infect bacteria. B) Fungi that infect bacteria

- A) Acid-fast staining. B) Gram staining
C) Capsule staining. D) Endospore staining

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18. Bacteriophages are:

- A) Viruses that infect bacteria. B) Fungi that infect bacteria

C) Bacteria that infect viruses. D) Bacteria that infect humans

19. Which of the following enzymes is involved in the replication of bacterial DNA?

- A) RNA polymerase. B) DNA ligase
C) DNA polymerase. D) Reverse transcriptase

20. The outermost structure in most gram-negative bacteria is:

- A) Plasma membrane. B) Capsule
C) Outer membrane. D) Peptidoglycan

21. Which of the following techniques can be used to determine bacterial motility?

- A) Gram staining. B) Hanging drop technique
C) Acid-fast staining. D) Spore staining

22. Plasmids are:

- A) Circular RNA molecules. B) Circular DNA molecules
C) Linear RNA molecules. D) Linear DNA molecules

23. The major site of ATP production in bacterial cells is the:

- A) Mitochondria. B) Ribosomes
C) Cell membrane. D) Cytoplasm

24. Which of the following bacteria is responsible for causing syphilis?

- A) *Borrelia burgdorferi*. B) *Treponema pallidum*
C) *Neisseria gonorrhoeae*. D) *Vibrio cholerae*

25. What is the role of restriction enzymes in bacteria?

C) Bacteria that infect viruses. D) Bacteria that infect humans

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C) Cell membrane. D) Cytoplasm

24. Which of the following bacteria is responsible for causing syphilis?

- A) *Borrelia burgdorferi*. B) *Treponema pallidum*
C) *Neisseria gonorrhoeae*. D) *Vibrio cholerae*

25. What is the role of restriction enzymes in bacteria?

A) To synthesize proteins. B) To degrade mRNA

C) To cut DNA at specific sequences. D) To replicate DNA

26. The technique used to sterilize heat-sensitive solutions is:

A) Autoclaving. B) Pasteurization

C) Filtration. D) Radiation

27. Which microorganism is involved in the nitrogen cycle by converting nitrate to nitrogen gas?

A) Nitrosomonas. B) Nitrobacter

C) Pseudomonas. D) Anabaena

28. The infectious protein particles responsible for diseases like Creutzfeldt-Jakob are called:

A) Viroids. B) Prions

C) Viruses. D) Plasmids

29. Mycoplasma bacteria are unique because they lack:

A) DNA. B) RNA

C) Cell wall. D) Ribosomes

30. The microbial technique used for the isolation of individual colonies is called:

A) Streak plating. B) Pour plating

C) Spread plating. D) Agar slant

31. Which of the following is used as an indicator organism for water quality testing?

A) *Vibrio cholerae*. B) *Escherichia coli*

C) *Bacillus subtilis*. D) *Staphylococcus aureus*

- A) To synthesize proteins, B) To degrade mRNA
C) To cut DNA at specific sequences, D) To replicate DNA

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31. Which of the following is used as an indicator organism for water quality testing?

- A) *Vibrio cholerae*, B) *Escherichia coli*
C) *Bacillus subtilis*, D) *Staphylococcus aureus*

32. A facultative anaerobe is an organism that:

- A) Grows only in the absence of oxygen.
- B) Grows only in the presence of oxygen
- C) Can grow with or without oxygen.
- D) Grows only in high CO₂ concentrations

33. Which bacterium is commonly found in the human gut and is a model organism in research?

- A) *Bacillus anthracis*.
- B) *Staphylococcus aureus*
- C) *Escherichia coli*.
- D) *Pseudomonas aeruginosa*

34. Which process allows bacteria to exchange genetic material through direct contact?

- A) Transduction.
- B) Transformation
- C) Conjugation.
- D) Mutation

35. Which bacteria are involved in methane production in anaerobic environments?

- A) *Methanobacterium*.
- B) *Nitrobacter*
- C) *Pseudomonas*.
- D) *Escherichia coli*

36. Which of the following antibiotics targets bacterial cell wall synthesis?

- A) Tetracycline.
- B) Streptomycin
- C) Penicillin.
- D) Ciprofloxacin

37. What is the role of reverse transcriptase in some viruses?

- A) Synthesis of DNA from an RNA template.
- B) Replication of RNA from a DNA template
- C) Protein synthesis.
- D) Assembly of viral particles

38. Which bacteria are responsible for nitrogen fixation in root nodules of legumes?

- A) *Clostridium*.
- B) *Rhizobium*

C) *Nitrosomonas*. D) *Escherichia coli*

39. Which of the following is NOT a method of horizontal gene transfer in bacteria?

A) Transduction. B) Conjugation

C) Transformation. D) Binary fission

40. Thermophiles are bacteria that grow best in:

A) Cold temperatures. B) Room temperature

C) Hot temperatures. D) Salt concentrations

41. Which of the following diseases is caused by a protozoan?

A) Cholera. B) Tuberculosis

C) Malaria. D) Leprosy

42. Which of the following microorganisms is responsible for the fermentation of dairy products like yogurt?

A) *Lactobacillus*. B) *Saccharomyces*

C) *Bacillus*. D) *Clostridium*

43. Which bacterium is known to cause peptic ulcers in humans?

A) *Escherichia coli*. B) *Staphylococcus aureus*

C) *Helicobacter pylori*. D) *Clostridium difficile*

44. Which of the following is the method used to determine the antimicrobial susceptibility of a bacterium?

A) Gram staining. B) PCR

C) Kirby-Bauer disk diffusion test D) Gel electrophoresis

45. Bacterial growth occurs in four phases. Which is the phase where bacteria are actively dividing?

A) Lag phase. B) Log (exponential) phase

C) Stationary phase. D) Death phase

46. The structure responsible for bacterial movement is:

A) Pili. B) Flagella

C) Cilia. D) Ribosome

47. Which of the following bacteria can produce biofilms, contributing to its persistence in medical devices?

A) *Escherichia coli*. B) *Bacillus subtilis*

C) *Pseudomonas aeruginosa*. D) *Mycobacterium tuberculosis*

48. Which type of microorganism is responsible for the majority of oxygen production on Earth?

A) Fungi. B) Protozoa

C) Cyanobacteria. D) Archaea

49. Which bacteria play a significant role in the bioremediation of oil spills?

A) *Bacillus subtilis*. B) *Pseudomonas putida*

C) *Clostridium tetani*. D) *Escherichia coli*

50. The process by which bacteria convert atmospheric nitrogen into a usable form for plants is known as:

A) Nitrification. B) Denitrification

C) Nitrogen fixation. D) Ammonification



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DEPARTMENT OF MICROBIOLOGY

PG CET 2023-24

MODEL TEST-1

Answer Key:

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



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Department of Microbiology - 2023 to 2024

P.G ENTRANCE MODEL TEST - 02

1. Which of the following is NOT an anaerobic process?

- A) Alcohol fermentation.
- B) Lactic acid fermentation
- C) Aerobic respiration.
- D) Methanogenesis

2. Which structure helps bacteria adhere to surfaces and form biofilms?

- A) Flagella.
- B) Fimbriae
- C) Endospores.
- D) Plasmids

3. In bacterial conjugation, which structure is responsible for transferring genetic material?

- A) Pilus.
- B) Flagella
- C) Fimbriae.
- D) Endospore

4. Which of the following is a selective medium used to isolate gram-negative bacteria?

- A) Mannitol Salt Agar.
- B) Eosin Methylene Blue Agar
- C) Sabouraud Dextrose Agar
- D) Blood Agar

5. What is the principal function of the bacterial cell wall?
- A) Protein synthesis B) Protecting against osmotic pressure
- C) DNA replication D) Cellular respiration
6. Which metabolic process occurs in the absence of oxygen and produces lactic acid?
- A) Glycolysis B) Citric Acid Cycle
- C) Oxidative phosphorylation D) Fermentation
7. The region in bacteria where the chromosomal DNA is located is called the:
- A) Nucleus B) Nucleoid
- C) Plasmid D) Ribosome
8. Which bacterial genus is commonly involved in nitrification?
- A) Nitrosomonas B) Azotobacter
- C) Clostridium D) Lactobacillus
9. Which of the following is a heat-resistant structure produced by some bacteria?
- A) Pili B) Endospore
- C) Capsule D) Flagella
10. Which microorganism is typically used for genetic studies due to its simplicity and ease of manipulation?
- A) *Escherichia coli* B) *Streptococcus pyogenes*
- C) *Mycobacterium tuberculosis* D) *Clostridium botulinum*
11. Which bacterium is commonly associated with hospital-acquired infections and is resistant to many antibiotics?
- A) *Clostridium tetani* B) Methicillin-resistant *Staphylococcus aureus* (MRSA)
- C) *Escherichia coli* D) *Bacillus anthracis*
12. What is the primary role of catalase in bacterial cells?

- A) ATP synthesis
- B) Protection from hydrogen peroxide
- C) Protein degradation
- D) DNA replication

13. The enzyme reverse transcriptase is characteristic of which type of organism?

- A) Bacteria
- B) Retroviruses
- C) Fungi
- D) Protozoa

14. In bacteria, which of the following structures is involved in horizontal gene transfer?

- A) Ribosome
- B) Pilus
- C) Flagella
- D) Cell membrane

15. Which of the following is NOT a component of the bacterial cell envelope?

- A) Cell wall
- B) Plasma membrane
- C) Nucleus
- D) Outer membrane

16. In microbiology, the term "facultative anaerobe" refers to an organism that:

- A) Only grows in the absence of oxygen
- B) Can grow in both the presence and absence of oxygen
- C) Only grows in the presence of oxygen
- D) Is inhibited by oxygen

17. What is the main characteristic of acid-fast bacteria?

- A) A thick peptidoglycan layer
- B) Mycolic acid in their cell wall
- C) Presence of a capsule
- D) Ability to form spores

18. Which type of microorganism uses carbon dioxide as its primary carbon source?

- A) Chemoheterotroph
- B) Photoautotroph
- C) Chemoautotroph
- D) Photoheterotroph

19. In the three-domain system, which domain includes prokaryotic organisms that can live in extreme environments?

- A) Bacteria
- B) Archaea
- C) Eukarya
- D) Fungi

20. Which of the following organisms is used for the industrial production of acetic acid?

- A) *Saccharomyces cerevisia*
- B) *Acetobacter*
- C) *Clostridium*
- D) *Escherichia coli*

21. Which method of sterilization is most appropriate for heat-sensitive medical instruments

- A) Autoclaving
- B) Dry heat sterilization
- C) Filtration
- D) Incineration

22. The toxin produced by *Bacillus anthracis* is an example of a(n):

- A) Endotoxin
- B) Exotoxin
- C) Enterotoxin
- D) Neurotoxin

23. Which bacteria play a significant role in methane oxidation, thus reducing methane emissions?

- A) Methanogens
- B) Methanotrophs
- C) Cyanobacteria
- D) Nitrobacter

24. In what type of bacterial growth phase is the rate of cell division equal to the rate of cell death?

- A) Lag phase
- B) Log phase
- C) Stationary phase
- D) Death phase

25. The Gram stain is an example of which type of stain?

- A) Simple stain
- B) Differential stain
- C) Acid-fast stain
- D) Negative stain

26. Which molecule is the primary energy carrier in microbial cells?

- A) Glucose
- B) ATP
- C) NADH
- D) GTP

27. Which process involves the conversion of atmospheric nitrogen into ammonia by bacteria?

- A) Nitrification
- B) Denitrification
- C) Nitrogen fixation
- D) Ammonification

28. Which enzyme is responsible for unwinding the DNA double helix during bacterial replication?

- A) DNA ligase
- B) DNA polymerase
- C) Helicase
- D) RNA polymerase

29. Which of the following is a primary method for preserving bacterial cultures for long-term storage?

- A) Autoclaving
- B) Lyophilization (freeze-drying)
- C) Incubation at 37°C
- D) Ethanol treatment

30. What is the main component of fungal cell walls?

- A) Peptidoglycan
- B) Chitin
- C) Cellulose
- D) Lipopolysaccharides

31. What is the role of the CRISPR system in bacteria?

- A) Protein synthesis
- B) Gene editing
- C) DNA repair
- D) Defense against viruses

32. Which bacterium is used in the production of Swiss cheese and is responsible for its characteristic holes?

- A) Lactobacillus
- B) Streptococcus
- C) Propionibacterium
- D) Saccharomyces

33. During aerobic respiration, which molecule is the final electron acceptor?

- A) Nitrogen
- B) Oxygen

C) Carbon dioxide

D) Sulfate

34. The toxin produced by *Clostridium tetani* is classified as a:

A) Enterotoxin

B) Neurotoxin

C) Hemolysin

D) Pyrogen

35. Which of the following organisms produces aflatoxins, known to contaminate food supplies?

A) *Aspergillus*

B) *Penicillium*

C) *Candida*

D) *Saccharomyces*

36. The Ames test is used to:

A) Detect carcinogens

B) Identify viral infections

C) Test for bacterial contamination

D) Measure enzyme activity

37. What is the role of quorum sensing in bacteria?

A) Nutrient absorption

B) Antibiotic resistance

C) Biofilm formation and communication

D) Cell division

38. Which organism is responsible for causing cholera?

A) *Escherichia coli*

B) *Vibrio cholerae*

C) *Salmonella typhi*

D) *Bacillus cereus*

39. Which method is commonly used to sterilize plastic Petri dishes?

A) Autoclaving

B) Ethylene oxide gas

C) Dry heat

D) Pasteurization

40. The microbial process of converting organic waste into useful products like biogas is known as:

A) Composting

B) Anaerobic digestion

C) Fermentation

D) Photosynthesis

41. Which organism is commonly used in the production of antibiotics?

- A) *Escherichia coli*
- B) *Streptomyces*
- C) *Pseudomonas*
- D) *Neisseria*

42. Which of the following techniques separates DNA fragments by size?

- A) Polymerase Chain Reaction (PCR)
- B) Gel Electrophoresis
- C) Southern Blotting
- D) Northern Blotting

43. The term "mycosis" refers to:

- A) A bacterial infection
- B) A fungal infection
- C) A viral infection
- D) A protozoan infection

44. Which process is responsible for the breakdown of organic matter in the absence of oxygen?

- A) Aerobic respiration
- B) Fermentation
- C) Anaerobic respiration
- D) Oxidative phosphorylation

45. Which bacterium is known to produce the most potent natural toxin?

- A) *Clostridium tetani*
- B) *Clostridium botulinum*
- C) *Bacillus anthracis*
- D) *Staphylococcus aureus*

46. Which of the following organisms is NOT typically classified as a prokaryote?

- A) Bacteria
- B) Archaea
- C) Cyanobacteria
- D) Yeast

47. Which microbial group is primarily responsible for the decomposition of cellulose in the environment?

- A) Fungi
- B) Protozoa
- C) Viruses
- D) Archaea

48. In bacterial photosynthesis, which pigment absorbs light energy?

- A) Chlorophyll
- B) Phycocyanin

C) Bacteriochlorophyll

D) Rhodopsin

49. Which microorganism is used as a model organism for studying gene regulation and genetic recombination?

A) *Bacillus subtilis*

B) *Escherichia coli*

C) *Clostridium perfringens*

D) *Vibrio cholerae*

50. The viral genome can be made of:

A) DNA only

B) RNA only

C) Both DNA and RNA

D) Either DNA or RNA



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DEPARTMENT OF MICROBIOLOGY
PG CET 2023-24
MODEL TEST-2

Answer Key:

1. C	11. B	21. C	31. D	41. B
2. B	12. B	22. B	32. C	42. B
3. A	13. B	23. B	33. B	43. B
4. B	14. B	24. C	34. B	44. C
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7. B	17. B	27. C	37. C	47. A
8. A	18. B	28. C	38. B	48. C
9. B	19. B	29. B	39. B	49. B
10. A	20. B	30. B	40. B	50. D



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Department of Microbiology - 2023 to 2024
P.G ENTRANCE GRAND TEST

The process by which bacteria communicate with each other via small diffusible molecules is known as:

- A) Quorum sensing
- B) Transformation
- C) Conjugation
- D) Transduction

2. Which of the following pathways generates ATP through substrate-level phosphorylation?

- A) Electron transport chain
- B) Glycolysis
- C) Photosynthesis
- D) Calvin cycle

3. The key enzyme involved in the replication of bacterial DNA is:

- A) DNA polymerase III
- B) RNA polymerase
- C) DNA ligase
- D) Helicase

4. The Ames test is used to determine

- A) Antibiotic resistance
- B) Mutagenicity of a compound
- C) Viral infections
- D) Oxygen sensitivity in bacteria

5. Which of the following bacteria is responsible for nitrogen fixation in root nodules of leguminous plants?

- A) Nitrosomonas
- B) Rhizobium

C) Nitrobacter

D) Azotobacter

6. Which enzyme is involved in unwinding DNA strands during transcription?

A) DNA helicase

B) Topoisomerase

C) RNA polymerase

D) Ligase

7. The bacterial ribosome is made up of which two subunits?

A) 30S and 50S

B) 40S and 60S

C) 50S and 60S

D) 20S and 40S

8. The microorganisms responsible for fermentation in the production of ethanol are:

A) Lactobacillus

B) *Saccharomyces cerevisiae*

C) Clostridium

D) Streptococcus

9. What is the name of the enzyme that degrades the bacterial cell wall during viral infection?

A) DNA polymerase

B) Endonuclease

C) Lysozyme

D) Exonuclease

10. Which microorganism is commonly used as a biological control agent against insects?

A) *Bacillus thuringiensis*

B) *Streptomyces coelicolor*

C) *Pseudomonas aeruginosa*

D) *Escherichia coli*

11. The lac operon in *E. coli* is an example of:

A) Negative control of transcription

B) Positive control of transcription

C) Attenuation

D) Feedback inhibition

12. Which staining method is used to differentiate bacteria based on the composition of their cell walls?

A) Gram staining

B) Acid-fast staining

C) Endospore staining

D) Capsule staining

13. A type of horizontal gene transfer that involves a bacteriophage is:

- A) Transformation
- B) Transduction
- C) Conjugation
- D) Binary fission

14. Which of the following metabolic processes occurs in the mitochondria of eukaryotic cells?

- A) Glycolysis
- B) Calvin cycle
- C) Citric acid cycle
- D) Pentose phosphate pathway

15. Which is the primary site for protein synthesis in bacterial cells?

- A) Nucleoid
- B) Ribosome
- C) Endoplasmic reticulum
- D) Golgi apparatus

16. Which of the following antibiotics interferes with bacterial cell wall synthesis?

- A) Streptomycin
- B) Tetracycline
- C) Penicillin
- D) Rifampicin

17. Which bacteria are known for producing biofilms, particularly in medical settings?

- A) *Pseudomonas aeruginosa*
- B) *Staphylococcus aureus*
- C) *Clostridium tetani*
- D) *Bacillus anthracis*

18. The Sanger method of DNA sequencing relies on:

- A) Use of dideoxynucleotides
- B) Use of reverse transcriptase
- C) Southern blotting
- D) Gel electrophoresis of proteins

19. Which of the following elements is essential for the proper function of enzymes in nitrogen fixation?

- A) Magnesium
- B) Iron
- C) Molybdenum
- D) Calcium

20. What is the function of the F factor in bacteria?

- A) Enables resistance to antibiotics
- B) Enables the formation of pili for conjugation

C) Allows for fermentation

D) Enables sporulation

21. Which enzyme is involved in the Calvin cycle for CO₂ fixation?

A) Pyruvate kinase

B) RuBisCO

C) Hexokinase

D) Phosphofructokinase

22. Which of the following viruses is an RNA virus that uses reverse transcription to integrate its genome into the host DNA?

A) Herpesvirus

B) Retrovirus

C) Influenza virus

D) Papillomavirus

23. Which microorganism is commonly used in the production of citric acid?

A) *Escherichia coli*

B) *Penicillium notatum*

C) *Aspergillus niger*

D) *Saccharomyces cerevisiae*

24. Plasmids that confer antibiotic resistance are called:

A) R plasmids

B) F plasmids

C) Col plasmids

D) Ti plasmids

25. Which type of recombination is most common in bacterial transposons?

A) Homologous recombination

B) Site-specific recombination

C) Non-homologous end joining

D) Conjugation

26. The CRISPR-Cas9 system was first discovered as a part of:

A) Bacterial defense against viruses

B) Protein degradation pathways

C) RNA interference

D) Eukaryotic transcription regulation

27. Which type of virus has the ability to remain dormant in host cells and reactivate later?

A) Lytic virus

B) Lysogenic virus

C) Naked virus

D) RNA virus

28. Which of the following best describes an obligate anaerobe?

- A) Grows only in the presence of oxygen
- B) Grows in the presence and absence of oxygen
- C) Grows only in the absence of oxygen
- D) Requires high levels of oxygen for growth

29. Which of the following microorganisms is responsible for the production of streptomycin?

- A) *Streptomyces griseus*
- B) *Bacillus subtilis*
- C) *Escherichia coli*
- D) *Clostridium perfringens*

30. Which of the following is NOT a post-transcriptional modification in eukaryotic cells?

- A) Addition of a poly-A tail
- B) Splicing of introns
- C) Methylation of DNA
- D) Addition of a 5' cap

31. The hydrogenosomes found in some anaerobic protists perform a function similar to:

- A) Chloroplasts
- B) Mitochondria
- C) Peroxisomes
- D) Lysosomes

32. The primary role of cytochrome c in bacterial cells is:

- A) To transfer electrons during oxidative phosphorylation
- B) To act as a transcription factor
- C) To promote DNA replication
- D) To degrade misfolded proteins

33. The term "prophage" refers to:

- A) A virus that actively infects bacteria
- B) Viral DNA integrated into the bacterial genome
- C) Bacteriophage particles released from lysed bacteria
- D) A plasmid that causes lysis in bacterial cells

34. Which of the following components is unique to Gram-negative bacteria?

- A) Teichoic acids
- B) Lipopolysaccharides
- C) Peptidoglycan
- D) Lipoteichoic acid

35. Which protein is responsible for separating DNA strands during bacterial DNA replication?

- A) Primase
- B) Gyrase
- C) Helicase
- D) DNA polymerase

36. Which of the following enzymes is involved in the removal of RNA primers during DNA replication?

- A) DNA polymerase I
- B) DNA polymerase III
- C) Ligase
- D) Topoisomerase

37. The microbial degradation of complex hydrocarbons, such as petroleum, in the environment is termed:

- A) Bioremediation
- B) Biomagnification
- C) Bioleaching
- D) Biomining

38. Which part of the bacterial flagellum acts as the motor?

- A) Filament
- B) Hook
- C) Basal body
- D) Rotor

39. The enzyme that synthesizes the RNA primer during bacterial DNA replication is:

- A) DNA polymerase I
- B) Primase
- C) Ligase
- D) Helicase

40. Which of the following organisms is classified as an acidophile, thriving in highly acidic environments?

- A) *Escherichia coli*
- B) *Pseudomonas aeruginosa*
- C) *Acidithiobacillus ferrooxidans*
- D) *Staphylococcus aureus*

48. Which type of gene transfer in bacteria involves the direct uptake of naked DNA from the environment?

- A) Conjugation
- B) Transduction
- C) Transformation
- D) Horizontal transfer

49. The bacterial growth phase where cells are adjusting to new conditions but not yet dividing is called:

- A) Log phase
- B) Lag phase
- C) Stationary phase
- D) Death phase

50. Which of the following processes converts atmospheric nitrogen (N_2) into a form usable by plants?

- A) Ammonification
- B) Nitrification
- C) Nitrogen fixation
- D) Denitrification

51. Which bacteria are used in the production of vitamin B_{12} ?

- A) Propionibacterium
- B) Bacillus subtilis
- C) Streptococcus
- D) Clostridium

52. Which of the following is an example of a psychrophilic microorganism that grows best at cold temperatures?

- A) Thermus aquaticus
- B) Listeria monocytogenes
- C) Psychrobacter
- D) Bacillus cereus

53. Which enzyme is necessary for breaking down hydrogen peroxide into water and oxygen in aerobic bacteria?

- A) Catalase
- B) Peroxidase
- C) Superoxide dismutase
- D) Lipase

54. Which of the following bacteria is responsible for causing tuberculosis in humans?

- A) Mycobacterium tuberculosis
- B) Clostridium botulinum
- C) Bacillus anthracis
- D) Staphylococcus aureus

55. The first antibiotic discovered, penicillin, was derived from which microorganism?

- A) *Penicillium notatum*
- B) *Escherichia coli*
- C) *Streptomyces coelicolor*
- D) *Bacillus subtilis*

56. The function of topoisomerase in bacterial DNA replication is:

- A) To synthesize RNA primers
- B) To add nucleotides to the growing DNA strand
- C) To relieve supercoiling tension ahead of the replication fork
- D) To join Okazaki fragments

57. The term "endospore" refers to:

- A) A dormant form of bacteria resistant to harsh conditions
- B) A bacterial reproductive structure
- C) A metabolic byproduct of bacterial fermentation
- D) A structure involved in bacterial conjugation

58. The enzyme that facilitates the conversion of pyruvate to acetyl-CoA in cellular respiration is:

- A) Hexokinase
- B) Pyruvate dehydrogenase
- C) Phosphofructokinase
- D) Lactate dehydrogenase

59. In the Calvin cycle, the enzyme RuBisCO catalyzes which reaction?

- A) Carboxylation of ribulose biphosphate
- B) Decarboxylation of pyruvate
- C) Oxidation of glucose
- D) Phosphorylation of ADP

60. Which technique is used to identify and study the expression of specific proteins in a sample?

- A) PCR
- B) Southern blotting
- C) Northern blotting
- D) Western blotting

61. During bacterial fermentation, which of the following compounds is typically produced?

- A) Acetone
- B) Lactic acid
- C) Urea
- D) Ammonia

62. What is the role of the sigma factor in bacterial transcription?

- A) Initiates replication
- B) Promotes RNA polymerase binding to the promoter
- C) Terminates transcription
- D) Facilitates ribosome binding to mRNA

63. Which of the following is the most heat-resistant form of microbial life?

- A) Vegetative cells
- B) Fungal spores
- C) Bacterial endospores
- D) Mycobacteria

64. The bacterial structure responsible for motility is:

- A) Capsule
- B) Pilus
- C) Flagellum
- D) Ribosome

65. The final electron acceptor in aerobic respiration is:

- A) Nitrogen
- B) Sulfate
- C) Oxygen
- D) Carbon dioxide

66. Which of the following is true about bacteriophages?

- A) They infect only eukaryotic cells
- B) They are viruses that infect bacteria
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67. A bacterium that grows best in the presence of a high salt concentration is called:

- A) Halophile
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68. The key molecule responsible for nitrogen fixation in *Rhizobium* species is:

A) Ammonia

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C) Prophage D) Viroid

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DEPARTMENT OF MICROBIOLOGY

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NAME OF THE STUDENT :- T. Nivedha

Department of Microbiology - 2023 to 2024

P.G ENTRANCE GRAND TEST

The process by which bacteria communicate with each other via small diffusible molecules is known as:

- ☒ A) Quorum sensing
B) Transformation
C) Conjugation
D) Transduction

2. Which of the following pathways generates ATP through substrate-level phosphorylation?

- A) Electron transport chain
B) ☒ Glycolysis
C) Photosynthesis
D) Calvin cycle

3. The key enzyme involved in the replication of bacterial DNA is:

- A) ☒ DNA polymerase III
B) RNA polymerase
C) DNA ligase
D) Helicase

4. The Ames test is used to determine

- A) Antibiotic resistance
B) ☒ Mutagenicity of a compound
C) Viral infections
D) Oxygen sensitivity in bacteria

5. Which of the following bacteria is responsible for nitrogen fixation in root nodules of leguminous plants?

- A) Nitrosomonas
B) ☒ Rhizobium

C) Nitrobacter

D) Azotobacter

6. Which enzyme is involved in unwinding DNA strands during transcription?

A) DNA helicase

B) Topoisomerase

☒ RNA polymerase

D) Ligase

7. The bacterial ribosome is made up of which two subunits?

☒ 30S and 50S

B) 40S and 60S

C) 50S and 60S

D) 20S and 40S

8. The microorganisms responsible for fermentation in the production of ethanol are:

A) Lactobacillus

☒ Saccharomyces cerevisiae

C) Clostridium

D) Streptococcus

9. What is the name of the enzyme that degrades the bacterial cell wall during viral infection?

A) DNA polymerase

B) Endonuclease

☒ Lysozyme

D) Exonuclease

10. Which microorganism is commonly used as a biological control agent against insects?

☒ Bacillus thuringiensis

B) Streptomyces coelicolor

C) Pseudomonas aeruginosa

D) Escherichia coli

11. The lac operon in E. coli is an example of:

☒ Negative control of transcription

B) Positive control of transcription

C) Attenuation

D) Feedback inhibition

12. Which staining method is used to differentiate bacteria based on the composition of their cell walls?

☒ Gram staining

B) Acid-fast staining

C) Endospore staining

D) Capsule staining

13. A type of horizontal gene transfer that involves a bacteriophage is:

- A) Transformation
- ☒ B) Transduction
- C) Conjugation
- D) Binary fission

14. Which of the following metabolic processes occurs in the mitochondria of eukaryotic cells?

- A) Glycolysis
- B) Calvin cycle
- ☒ C) Citric acid cycle
- D) Pentose phosphate pathway

15. Which is the primary site for protein synthesis in bacterial cells?

- A) Nucleoid
- ☒ B) Ribosome
- C) Endoplasmic reticulum
- D) Golgi apparatus

16. Which of the following antibiotics interferes with bacterial cell wall synthesis?

- A) Streptomycin
- B) Tetracycline
- ☒ C) Penicillin
- D) Rifampicin

17. Which bacteria are known for producing biofilms, particularly in medical settings?

- ☒ A) *Pseudomonas aeruginosa*
- B) *Staphylococcus aureus*
- C) *Clostridium tetani*
- D) *Bacillus anthracis*

18. The Sanger method of DNA sequencing relies on:

- ☒ A) Use of dideoxynucleotides
- B) Use of reverse transcriptase
- C) Southern blotting
- D) Gel electrophoresis of proteins

19. Which of the following elements is essential for the proper function of enzymes in nitrogen fixation?

- A) Magnesium
- B) Iron
- ☒ C) Molybdenum
- D) Calcium

20. What is the function of the F factor in bacteria?

- A) Enables resistance to antibiotics
- ☒ B) Enables the formation of pili for conjugation

C) Allows for fermentation

D) Enables sporulation

21. Which enzyme is involved in the Calvin cycle for CO₂ fixation?

A) Pyruvate kinase

☒ B) RuBisCO

C) Hexokinase

D) Phosphofructokinase

22. Which of the following viruses is an RNA virus that uses reverse transcription to integrate its genome into the host DNA?

A) Herpesvirus

☒ B) Retrovirus

C) Influenza virus

D) Papillomavirus

23. Which microorganism is commonly used in the production of citric acid?

A) *Escherichia coli*

B) *Penicillium notatum*

☒ C) *Aspergillus niger*

D) *Saccharomyces cerevisiae*

24. Plasmids that confer antibiotic resistance are called:

☒ A) R plasmids

B) F plasmids

C) Col plasmids

D) Ti plasmids

25. Which type of recombination is most common in bacterial transposons?

A) Homologous recombination

☒ B) Site-specific recombination

C) Non-homologous end joining

D) Conjugation

26. The CRISPR-Cas9 system was first discovered as a part of:

☒ A) Bacterial defense against viruses

B) Protein degradation pathways

C) RNA interference

D) Eukaryotic transcription regulation

27. Which type of virus has the ability to remain dormant in host cells and reactivate later?

A) Lytic virus

☒ B) Lysogenic virus

C) Naked virus

D) RNA virus

28. Which of the following best describes an obligate anaerobe?

- A) Grows only in the presence of oxygen
- B) Grows in the presence and absence of oxygen
- ☒ C) Grows only in the absence of oxygen
- D) Requires high levels of oxygen for growth

29. Which of the following microorganisms is responsible for the production of streptomycin?

- ☒ A) *Streptomyces griseus*
- B) *Bacillus subtilis*
- C) *Escherichia coli*
- D) *Clostridium perfringens*

30. Which of the following is NOT a post-transcriptional modification in eukaryotic cells?

- A) Addition of a poly-A tail
- B) Splicing of introns
- ☒ C) Methylation of DNA
- D) Addition of a 5' cap

31. The hydrogenosomes found in some anaerobic protists perform a function similar to:

- A) Chloroplasts
- ☒ B) Mitochondria
- C) Peroxisomes
- D) Lysosomes

32. The primary role of cytochrome c in bacterial cells is:

- ☒ A) To transfer electrons during oxidative phosphorylation
- B) To act as a transcription factor
- C) To promote DNA replication
- D) To degrade misfolded proteins

33. The term "prophage" refers to:

- A) A virus that actively infects bacteria
- ☒ B) Viral DNA integrated into the bacterial genome
- C) Bacteriophage particles released from lysed bacteria
- D) A plasmid that causes lysis in bacterial cells

34. Which of the following components is unique to Gram-negative bacteria?

☒ A) Teichoic acids

B) Lipopolysaccharides

C) Peptidoglycan

D) Lipoteichoic acid

35. Which protein is responsible for separating DNA strands during bacterial DNA replication?

A) Primase

B) Gyrase

☒ C) Helicase

D) DNA polymerase

36. Which of the following enzymes is involved in the removal of RNA primers during DNA replication?

A) DNA polymerase I

☒ B) DNA polymerase III

C) Ligase

D) Topoisomerase

37. The microbial degradation of complex hydrocarbons, such as petroleum, in the environment is termed:

A) Bioremediation

B) Biomagnification

C) Bioleaching

☒ D) Biomining

38. Which part of the bacterial flagellum acts as the motor?

☒ A) Filament

B) Hook

C) Basal body

D) Rotor

39. The enzyme that synthesizes the RNA primer during bacterial DNA replication is:

A) DNA polymerase I

☒ B) Primase

C) Ligase

D) Helicase

40. Which of the following organisms is classified as an acidophile, thriving in highly acidic environments?

A) Escherichia coli

B) Pseudomonas aeruginosa

☒ C) Acidithiobacillus ferrooxidans

D) Staphylococcus aureus

41. Which of the following bacteria can perform photosynthesis without producing oxygen?

A) Cyanobacteria

☒ B) Purple sulfur bacteria

C) Green algae

D) Rhizobium

42. In bacteria, plasmid DNA replication typically follows which mode?

☒ A) Rolling circle replication

B) Theta replication

C) Linear replication

D) Bidirectional replication

43. The Shine-Dalgarno sequence in prokaryotic mRNA is important for:

A) DNA replication

B) RNA splicing

☒ C) Initiation of translation

D) Transcription termination

44. What is the function of restriction enzymes in bacterial cells?

☒ A) Protect against viral DNA by cutting it at specific sequences

B) Help in DNA replication

C) Inhibit bacterial conjugation

D) Stabilize DNA

45. The enzyme reverse transcriptase is associated with:

A) RNA viruses

B) DNA viruses

☒ C) Retroviruses

D) Bacteriophages

46. Which of the following structures in bacteria allows for the exchange of genetic material during conjugation?

☒ A) Pili

B) Flagella

C) Ribosomes

D) Capsules

47. Which pathway is used by bacteria to produce energy in the absence of oxygen?

A) Glycolysis

B) Krebs cycle

C) Oxidative phosphorylation

☒ D) Anaerobic respiration

48. Which type of gene transfer in bacteria involves the direct uptake of naked DNA from the environment?

A) Conjugation

B) Transduction

☒ C) Transformation

D) Horizontal transfer

49. The bacterial growth phase where cells are adjusting to new conditions but not yet dividing is called:

A) Log phase

☒ B) Lag phase

C) Stationary phase

D) Death phase

50. Which of the following processes converts atmospheric nitrogen (N_2) into a form usable by plants?

A) Ammonification

B) Nitrification

☒ C) Nitrogen fixation

D) Denitrification

51. Which bacteria are used in the production of vitamin B_{12} ?

☒ A) Propionibacterium

B) Bacillus subtilis

C) Streptococcus

D) Clostridium

52. Which of the following is an example of a psychrophilic microorganism that grows best at cold temperatures?

A) Thermus aquaticus

B) Listeria monocytogenes

☒ C) Psychrobacter

D) Bacillus cereus

53. Which enzyme is necessary for breaking down hydrogen peroxide into water and oxygen in aerobic bacteria?

☒ A) Catalase

B) Peroxidase

C) Superoxide dismutase

D) Lipase

54. Which of the following bacteria is responsible for causing tuberculosis in humans?

☒ A) Mycobacterium tuberculosis

B) Clostridium botulinum

C) Bacillus anthracis

D) Staphylococcus aureus

55. The first antibiotic discovered, penicillin, was derived from which microorganism?

☒ A) *Penicillium notatum*

B) *Escherichia coli*

C) *Streptomyces coelicolor*

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56. The function of topoisomerase in bacterial DNA replication is:

A) To synthesize RNA primers

B) To add nucleotides to the growing DNA strand

☒ C) To relieve supercoiling tension ahead of the replication fork

D) To join Okazaki fragments

57. The term "endospore" refers to:

☒ A) A dormant form of bacteria resistant to harsh conditions

B) A bacterial reproductive structure

C) A metabolic byproduct of bacterial fermentation

D) A structure involved in bacterial conjugation

58. The enzyme that facilitates the conversion of pyruvate to acetyl-CoA in cellular respiration is:

A) Hexokinase

☒ B) Pyruvate dehydrogenase

C) Phosphofructokinase

D) Lactate dehydrogenase

59. In the Calvin cycle, the enzyme RuBisCO catalyzes which reaction?

☒ A) Carboxylation of ribulose biphosphate

B) Decarboxylation of pyruvate

C) Oxidation of glucose

D) Phosphorylation of ADP

60. Which technique is used to identify and study the expression of specific proteins in a sample?

A) PCR

B) Southern blotting

C) Northern blotting

☒ D) Western blotting

61. During bacterial fermentation, which of the following compounds is typically produced?

A) Acetone

☒ B) Lactic acid

C) Urea

D) Ammonia

62. What is the role of the sigma factor in bacterial transcription?

A) Initiates replication

☒ B) Promotes RNA polymerase binding to the promoter

C) Terminates transcription

D) Facilitates ribosome binding to mRNA

63. Which of the following is the most heat-resistant form of microbial life?

A) Vegetative cells

B) Fungal spores

☒ C) Bacterial endospores

D) Mycobacteria

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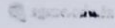
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4. B	14. C	24. A	34. A	44. A	54. A	64. C	74. C	84. B	94. A
5. B	15. B	25. B	35. C	45. C	55. A	65. C	75. B	85. A	95. A
6. C	16. C	26. A	36. B	46. A	56. C	66. B	76. B	86. A	96. B
7. A	17. A	27. B	37. D	47. D	57. A	67. A	77. D	87. B	97. C
8. B	18. A	28. C	38. A	48. C	58. B	68. C	78. A	88. B	98. B
9. C	19. C	29. A	39. B	49. B	59. A	69. B	79. C	89. B	99. B
10. A	20. B	30. C	40. C	50. C	60. D	70. B	80. B	90. A	100. B