

EGRA SARADA SHASHI BHUSAN COLLEGE

ESTD. : 1968

(Reaccredited by NAAC with – ‘B’ Gradewith a CGPA of 2.32)

An ISO CertifiedCollege for ISO 9001 : 2015 & ISO 14001 : 2015

Post – Egra :Dist – Purba Medinipur (West Bengal) : Pin – 721429.

President : Mr. Tarun Kumar Maity, M.L.A., W.B.

Principal : Dr. Dipak Kumar Tamili.

☎ : 03220-244073, Website - www.egrassbcollege.ac.in : E-mail – info@egrassbcollege.ac.in



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☎ – 03220-244073 / 245557

Fax – 03220245867.

Memo No.-

Date- 23.11.2022

DEPARTMENT OF BOTANY NOTICE FOR TEN DAYS CERTIFICATE COURSE on STERILIZATION TECHNIQUE AND CULTURE MEDIA

It is here by notified that the Dept. of Botany of Egra S.S.B. College is going to organize an Inaugural Programme of certificate course on “Sterilization Technique and Culture Media” on 02.12.2022 to 13.12.2022 at Department of Botany of Egra S.S.B. College at 11.00 am.

All the students of our college are here by informed to register their name at the Department of Botany within 30.11.2022 .

Copy to-
TCS
HC
NB of College
NB of Science Building
Student Union (Ad-Hoc)

Principal
Egra S.S.B College

Principal
EGRA S.S.B. COLLEGE
P.O.-Egra, Purba Medinipur

HOD
Department of Botany

(Signature)
Head of the Department of Botany
Egra S.S.B. College

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Memo No.-

Date- 23.11.2022-

Name of the certificate course: Sterilization Technique and Culture Media

Duration of the course: 10 Days

Date of inauguration: 02.12.2022

Date of completion: 13.12.2022

Syllabus of the course:

EGRA SARADA SASHI BHUSAN COLLEGE

CERTIFICATE COURSE ON “Sterilization Technique and Culture Media”

SESSION: 2022

SYLLABUS

DURATION: 10 Days

Course	Course Name	Teaching Scheme in hours per week	
		Lectures	Practical
Certificate Course	Sterilization Technique and Culture Media		
	Unit:1 Sterilization Technique: 1. Principles of Sterilization 2. Sterilization of Equipment 3. Sterilization of production media with respect to Acid Alkali Buffer, Antifoam agent and precursors 4. Sterilization of air. Unit:2 Sterilization and Disinfection	3	
	Sterilization Methods 1. Red heat (Flaming) 2. Dry heat (Hot air)	3	2

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3. <u>Moist heat</u> a. Steam under pressure (autoclaving) b. Steam not under pressure (Tyndallization)			
Unit 3: Filtration	2	2	
1. Earthenware candle filters – made of diatomaceous earth or porcelain eg. Berkefeld filter, Chamberland filter Asbestos pad filters, eg. Seitz filters			
2. Sintered glass filter – made of finely ground glass fused together (fused jena glass)			
3. Membrane filters			
Unit 4: Radiation	2	2	
1. Ionising radiation			
2. Non ionising radiation			
Unit 5: Photodynamic sensitization	2		
Unit 6: Ultrasonic and Sonic waves	2		
Unit 7: Freezing	2		
Unit 8: Chemical sterilization			2
Unit 9: Disinfection Properties, agent, Mode Of Action, Uses.			2
Unit 10: Validation of sterilization processes	1		
Unit 11: Culture Media: Defination, Types,Significance.	1		2



Dr. Dipak Kumar Tamili
Principal
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Course Outcomes:

After successful completion of this course students are expected to: Demonstrate theory in microscopy and their handling techniques and staining procedures Know various Culture media and their applications and also understand various physical and chemical means of sterilization Know general bacteriology and microbial techniques for isolation of pure cultures of bacteria, fungi and algae Learn aseptic techniques and be able to perform routine culture handling tasks safely and effectively Comprehend the various methods for identification of unknown microorganisms Understand the modes of nutrition in microbial metabolism and able to classify the bacteria based on nutrition Know the various Physical and Chemical growth requirements of bacteria and get equipped with various methods of bacterial growth measurement.



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List Of Participants:

2021 - 22

Co	Course	Sem	Name	StudentId	RollNo	ca	Gender	Un	Mobile
BS	BOTANY(H)	1	AMBIKA MAHAPATRA	2021-1744	26	GE	FEMALE		7063546020
BS	BOTANY(H)	1	ANANYA JANA	2021-0517	318	GE	FEMALE		8167231825
BS	BOTANY(H)	1	ANINDITA BERA	2021-1834	7	GE	FEMALE		9547005480
BS	BOTANY(H)	1	ANNESHWA PATRA	2021-1519	53	GE	FEMALE		7501790983
BS	BOTANY(H)	1	ANNESHWA PATRA	2021-2061	321	GE	FEMALE		7001550213
BS	BOTANY(H)	1	ARPITA JANA	2021-1310	75	GE	FEMALE		9002008558
BS	BOTANY(H)	1	ARPITA DHARA	2021-1180	112	GE	FEMALE		7063111806
BS	BOTANY(H)	1	BAISAKHI MAITY	2021-1182	111	GE	FEMALE		7602991948
BS	BOTANY(H)	1	BARSHA PANDA	2021-1265	88	GE	FEMALE		7908087282
BS	BOTANY(H)	1	BASANTI SHIT	2021-1565	314	GE	FEMALE		8972419804
BS	BOTANY(H)	1	BHARWATI PRADHAN	2021-1587	8	GE	FEMALE		7477317760
BS	BOTANY(H)	1	ISHITA PAHARI	2021-1718	24	GE	FEMALE		7363976929
BS	BOTANY(H)	1	KAKALI SASMAL	2021-1306	78	GE	FEMALE		9002901039
BS	BOTANY(H)	1	KALYANI DAS	2021-1275	85	GE	FEMALE		9933900303
BS	BOTANY(H)	1	MAMATA NAYAK	2021-1355	45	GE	FEMALE		7001934256
BS	BOTANY(H)	1	MONIMALA PATRA	2021-1738	31	GE	FEMALE		8350025571
BS	BOTANY(H)	1	MOUSUMI SAHOO	2021-1497	27	GE	FEMALE		7602185663
BS	BOTANY(H)	1	PARICHITA MAHAPATRA	2021-1643	34	GE	FEMALE		8653192485
BS	BOTANY(H)	1	PUSPITA PANDA	2021-1518	54	GE	FEMALE		6295256017
BS	BOTANY(H)	1	RIYA ATTA	2021-1488	59	GE	FEMALE		8597817473
BS	BOTANY(H)	1	ROKAIYA KHATUN	2021-1492	291	GE	FEMALE		9732663731
BS	BOTANY(H)	1	SAHELI DAS	2021-1241	96	GE	FEMALE		7602731506
BS	BOTANY(H)	1	SAMPA BHUNIA	2021-1223	101	GE	FEMALE		9593003040
BS	BOTANY(H)	1	SAMPRIITI MAITY	2021-1177	114	GE	FEMALE		7797238633
BS	BOTANY(H)	1	SASWATI MAITY	2021-1739	30	GE	FEMALE		7364833617
BS	BOTANY(H)	1	SRABANTI MAHAPATRA	2021-1605	12	GE	FEMALE		7602242710
BS	BOTANY(H)	1	SUPARNA JANA	2021-1225	100	GE	FEMALE		9564798240
BS	BOTANY(H)	1	SUSMITA PRADHAN	2021-0177	93	GE	FEMALE		7001849488
BS	BOTANY(H)	1	SUSMITA DAS	2021-1315	73	GE	FEMALE		9832204192
BS	BOTANY(H)	1	SUSMITA DAS	2021-1248	316	GE	FEMALE		8101903543
BS	BOTANY(H)	1	SWARNALATA SINGHA	2021-1513	56	GE	FEMALE		6295093504
BS	BOTANY(H)	1	TANAY DAS	2021-1833	9	GE	FEMALE		7602182662
BS	BOTANY(H)	1	TANUSHREE MAITY	2021-1164	118	GE	MALE		9679861077
BS	BOTANY(H)	1	ABHINANDAN JANA	2021-1198	109	GE	MALE		8509301925
BS	BOTANY(H)	1	BIBHAS MAITY	2021-1207	105	GE	MALE		9547423878
BS	BOTANY(H)	1	CHIRANJIT BHUNIA	2021-1970	292	GE	MALE		8927430561
BS	BOTANY(H)	1	DEBABRATA PAHARI	2021-1350	29	GE	MALE		9733800155
BS	BOTANY(H)	1	DEBSANKAR BARIK	2021-1157	123	GE	MALE		9064173554
BS	BOTANY(H)	1	JAGAT CHINTAMONI PRAMANIK	2021-1282	84	GE	MALE		7479133779
BS	BOTANY(H)	1	RANTU MANNA	2021-1649	319	GE	MALE		9091265369
BS	BOTANY(H)	1	SANKAR PAYRA	2021-1109	147	GE	MALE		9883097328
BS	BOTANY(H)	1	SANTANU DAS	2021-1176	115	GE	MALE		9635772710
BS	BOTANY(H)	1	SUBHAM PANDA	2021-1256	91	GE	MALE		9907177959
BS	BOTANY(H)	1	SUBRATA KAR	2021-1256	91	GE	MALE		9593613944
BS	BOTANY(H)	1	SUBRATA KAR	2021-1313	74	GE	MALE		9907485400
BS	BOTANY(H)	1	SUDDHA SUBHRA JANA	2021-0298	126	GE	FEMALE		8391005744
BS	BOTANY(H)	1	ANITA BARIK	2021-1749	25	SC	FEMALE		9564369366
BS	BOTANY(H)	1	BARNALI PRAMANIK	2021-0645	185	SC	FEMALE		9002466457
BS	BOTANY(H)	1	PIJU JANA	2021-0255	124	SC	FEMALE		9339143099
BS	BOTANY(H)	1	SANCHARI SHIT	2021-1844	3	SC	FEMALE		9832700734
BS	BOTANY(H)	1	SHREYA BAR	2021-1121	139	SC	MALE		8116352875
BS	BOTANY(H)	1	MANIK GHORAI	2020-1101	162	GE	FEMALE		7602912855
BS	BOTANY(H)	3	ANITA DAS	2020-1877	304	GE	FEMALE		6294131196
BS	BOTANY(H)	3	DISHA SASMAL	2020-313	34	GE	FEMALE		9732921563
BS	BOTANY(H)	3	MANDIRA PATRA	2020-256	27	GE	FEMALE		9153567177
BS	BOTANY(H)	3	NABANITA SAMANTA	2020-372	332	GE	FEMALE		6291853854
BS	BOTANY(H)	3	RITUPARNA MANDAL	2020-1453	231	GE	FEMALE		9635545188
BS	BOTANY(H)	3	SANGITA GIRI	2020-2037	322	GE	FEMALE		6296509917
BS	BOTANY(H)	3	SANGITA HATI	2020-312	33	GE	FEMALE		6297726456
BS	BOTANY(H)	3	SATHI JANA	2020-332	39	GE	FEMALE		8145392503
BS	BOTANY(H)	3	SUDIPTA KARAN	2020-330	37	GE	FEMALE		7585062444
BS	BOTANY(H)	3	SUNITA DAS	2020-264	333	GE	FEMALE		7364905424
BS	BOTANY(H)	3	TRINANJANA SAHOO	2020-1493	237	GE	FEMALE		8101206803
BS	BOTANY(H)	3	TRIPATI ACHARYA	2020-1503	238	GE	MALE		7477341574
BS	BOTANY(H)	3	KOUSHIK SAMANTA	2020-121	12	GE	MALE		7585025597
BS	BOTANY(H)	3	PRAVAS GIRI	2020-1410	221	GE	MALE		7585025597
BS	BOTANY(H)	3	SUBHASIS SATPATI	2020-1434	226	GE	MALE		6296313518
BS	BOTANY(H)	3	SUTANAY MAHAPATRA	2020-1542	247	GE	FEMALE		704036058
BS	BOTANY(H)	3	KABITA SAHOO	2020-254	25	GE	MALE		6297152443
BS	BOTANY(H)	3	AYAN KARAN	2020-997	147	GE	MALE		6296125847
BS	BOTANY(H)	3	SUDIIP SAHOO	2020-68	3	GE	FEMALE		8597959315
BS	BOTANY(H)	5	PIYALI PRAMANIK	2019-1327	115	GE	FEMALE	##	9883885207
BS	BOTANY(H)	5	PARAMITA ADAK	2019-1984	326	GE	FEMALE	##	9775717407
BS	BOTANY(H)	5	IPRITILATA DAS	2019-1984	326	GE	FEMALE	##	9883717812



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Pic :3. Lecture given by Dr. Mamtaj Khatun



Pic :4. Certificate given by Dr. Janesh Ranjan Bhattacharya