

Serampore Girls' College
Department of Electronic Science
Departmental Report: 2020-21

Number of Regular Students

Year	General Mathematics
SEM 1	NIL
SEM 2	02
SEM 3	NIL
SEM 4	05

Total No. of students-----07

Number of the Teachers

SACT-II	1
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Student Teacher Ratio:07:01

Class Routine of the department:

Routine –Science (Even semester)-2021							
Day	SEM	9:45-10:45	10:45-11:45	11:45-12:45	12:45-1:45	2:00-3:00	3:00-4:00
Monday	II	PHSG(S.M) / ELTG(I.G) BOTG(M.H)	MTMG(B) (M.N) ZOOG(A.A)	CEMG (M.B)	CMSA (M.G)		
	IV	MTMG (M.N)	CMSA (I.G) BOTG(M.H)	ZOOG(A.A)	CEMG (M.B)	CMSA (A.G)	
	VI		PHSG(S.M) CMSA (A.G)	PHSG(S.M)	MTMG (M.N) CMSA	CMSA (M.G)	CMSG (A.G)
Tuesday	II	PHSG(S.M) / ELTG(I.G) BOTG(M.H)	MTMG(B) (M.N) CMSA (I.G) ZOOG(A.A)	CEMG (M.B)		CMSA (M.G)	
	IV	MTMG (M.N)	BOTG(M.H)	CMSA ZOOG(A.A)	CMSA (M.G) CEMG (M.B)		
	VI		PHSG(S.M)	PHSG(S.M) CMSG(A.G)	MTMG (M.N)	CMSA (A.G)	CMSA (A.G)
Wednesday	II	PHSG(S.M) / ELTG(I.G) BOTG(M.H)	MTMG(B) (M.N) ZOOG(A.A)	CEMG (M.B)			CMSA (M.G)
	IV	MTMG (M.N)	CMSA (I.G) BOTG(M.H)	ZOOG(A.A)	CMSA (M.G)	CEMG (M.B)	
	VI		PHSG(S.M)	PHSG(S.M)	MTMG (M.N)	CMSA (M.G)	CMSA
Thursday	II	PHSG(S.M) / ELTG(I.G) BOTG(M.H)	MTMG(B) (M.N) CMSA (I.G) ZOOG(A.A)	CEMG (M.B)	CMSA (M.G)		
	IV	MTMG (M.N)	BOTG(M.H)	ZOOG(A.A)	CEMG (M.B)	CMSA (M.G)	CMSA
	VI		PHSG(S.M)	PHSG(S.M)	CMSA MTMG (M.N)	CMSA	CMSG (M.G)

Friday	II	PHSG(S.M) / ELTG(I.G) BOTG(M.H)	MTMG(B) (M.N) ZOOG(A.A)	CEMG (M.B)		CMSA (M.G)	
	IV	MTMG (M.N)	CMSA (I.G) BOTG(M.H)	ZOOG(A.A)	CMSA (M.G)	CEMG (M.B)	
	VI		PHSG(S.M)	PHSG(S.M)	MTMG (M.N)	CMSA	CMSA (M.G)
Saturday	II	PHSG(S.M) / ELTG(I.G)	MTMG(B) (M.N) CMSA (I.G)		CMSA (M.G)		
	IV	MTMG (M.N)	BIO-SEC	BIO-SEC		CMSA (A.G)	CMSA (M.G)
	VI		PHSG(S.M)	PHSG(S.M)	CMSA (A.G) MTMG (M.N)		

Parent Teacher Meeting:

Serampore Girls' College

(Estd. : 1981)

Accredited by NAAC

13, T. C. GOSWAMI STREET, SERAMPORE, HOOGHLY. PIN -712 201, WEST BENGAL.
Ph: (033) 2652 9334 • (033) 26527850 (Principal) • 26623723 (Office) • 2652-0008
E-mail : science@seramporegirlscollege.org • sgc.scdept@gmail.com

Department of SCIENCE

Ref. No.

Date.....

Date: 01.06.2021

NOTICE

All Students of semester –II and IV are hereby notified that the department of science has arranged a parent teacher meeting on 7th June, 2021 from 4 p.m. The meeting will be on Google Meet platform. All the above mentioned students are asked to join the meeting at the said time with their guardian. Meeting link will be provided on the day.



Amay

The image shows a Zoom meeting interface. At the top, there is a profile card for Sandip Majumdar with a circular profile picture of pink flowers. Below this, there are icons for participants (17), chat, and info. The participant list includes:

- Mayurakshi Nag (You) - M
- Sandip Majumdar - [Profile Picture]
- Kiran Singh - K
- EKTA PRASAD - E
- Others in the meeting (13)
- Anjali Jha - A

The image shows a Zoom meeting interface with a video feed of a participant at the top. The status bar at the top shows the time as 4:29 PM, 4G LTE, and 50% battery. Below the video feed, there are icons for participants (20), chat, and info. The participant list includes:

- Prakriti Banerjee - [Profile Picture]
- Indrani Guha - I
- Others in the meeting (16)
- Anjali Jha - A
- EKTA PRASAD - E
- ELISHA MITRA - E

Educational Tour

NIL

Mentoring:

NIL

Discipline related co-curricular activities: No

Contribution of the department for other students of the college: **NIL**

Continuous internal Assessment:

ODD SEM

Semampore Girls' College

Class Year

Sem - I 2020

Subject - Electronics (General)

Paper - CCI/OBE I

Answer ~~ten~~ ^{five} questions

Full Marks : 20

1. Write and explain Norton's theorem with proper diagram.
2. What is enhancement type MOSFET?
3. What is thermal runaway?
4. Draw the I-V characteristics of P-N junction diode and explain.
5. What is the need for biasing?
6. Write the working principle of half-wave rectifier.

Result of Sem I

Full Marks of Sem I is 20

SL NO	Name of the student	Marks obtained
1	Elisha Mitra	18
2	Sohinee Sengupta	17
3	Swastika Paswan	17
4	Sathi Som	18
5	Ekta Prasad	16

Serampore Girls' College
Class Test

Sem - II, 2020

Subject - Electronics (General)

Paper - CE3/GE3

Answer any five questions

Full marks - 20

1. Define Signal-to-Noise ratio and Noise figure.
2. Define amplitude modulation with mathematical expression.
3. Write differences between AM and FM.
4. Draw the block diagram of FM Transmitter and Receiver.
5. Write the advantages of digital communication.
6. Define modulation index.

Result of Sem III

Full Marks of Sem III is 20

SI NO.	Name of the Students	Marks obtained
1.	Zeba Parween	17
2.	Banasree Khan	16

Continuous internal Assessment:

EVEN SEM

Serranypore Girls College
Class test

Sem - II, 2021

Subject - Electronics (General)

Paper - ~~CE 2~~ / CC 2 / GIB 2

Answer any five questions

Full marks:- 20

1. Write the characteristics of ideal OP-AMP.
2. Convert ~~the~~ $(2598.675)_{10}$ to hex.
3. Convert $(4057.06)_8$ to decimal.
4. Add (-75) to $(+26)$ using the 8-bit 2's Complement method.
5. Write the truth table and logic diagram of J-K flip-flop.
6. Write De-Morgan's theorem.

Result of Sem II

Full marks of Sem II is 20

SL NO	Name of the student	Marks obtained
1	Elisha Mitra	16
2	Sohinee Sengupta	18
3	Swastika Paswan	17
4	Sathi Som	17
5	Ekta Prasad	15

Serampore Girls' College

Class test

Sem-IV, 2021

Subject - Electronics (General)

Answer any five questions Paper - CC1/G1E1 Full marks - 20

1. Define operand and opcode.

2. What is Address Bus?

3. What is the significance of interfacing in Microprocessors 8085?

4. Define Flag in Microprocessors 8085.

5. Difference between Memory Mapped I/O and I/O Mapped I/O.

6. What is data bus? Why it is bi-directional?

Result of Sem IV

Full Marks of Sem IV is 20

SI NO.	Name of the Students	Marks obtained
1.	Zeba Parween	16
2.	Banasree Khan	17

Result of Final Exam:

Bsc. General	No. of students	Result
Electronic science	05	P - 5

Teacher Profile: for the academic session:2020-2021

Indrani Guha : SACT II

Seminar / Workshop on the subject organized by the department:

Serampore Girls' College



Serampore, Hooghly, West Bengal, Pin: 712201.
NAAC Accredited by Grade 'B', (2nd Cycle)

(For details please visit: www.seramporegirlscollege.com,
and e-mail at: sgc.webinar.team@gmail.com)

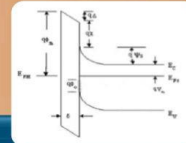
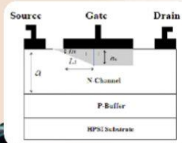


Department of Electronics
In collaboration with IQAC

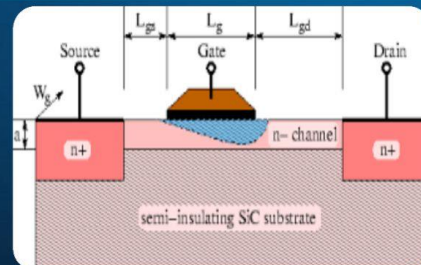
Organizes

A STATE LEVEL WEBINAR

On



"MODELLING OF SiC MESFET : SOME CONTEMPORARY ISSUES"



Date : 26th July, 2020 Time : 3.30pm to 4.30pm
Virtual Platform : Google Meet

❖ Last date of Registration : 24th July, 2020



Invitee Speaker
Dr. Sutanu Dutta
Assistant Prof. of Electronics
VIDYASAGAR UNIVERSITY

Patron :: **Dr. Soma Roy**
Principal , Serampore Girls' College

Dr. Sayanti Mukhopadhyay
(Talukdar)
IOAC (Co-Ordinator) , SGC

Convener :: **Indrani Guha**
Dept. of Electronics , SGC

Joint Convener :
Dr. Sandip Majumdar
Assistant Professor
Dept. of Physics , SGC

- ❖ No Registration Fee
- ❖ First 250 participants are allowed to join google meet.
- ❖ Rest Participants can register for youtube live streaming
- ❖ YOUTUBE link and Feedback link is provided during registration.
- ❖ Google Meet invitation link will be sent through email to 1st 250 participants.
- ❖ No email communication will made to rest of the participants
- ❖ All registered participants can submit feedback and download e-certificate using the link mentioned in registration confirmation page. No certificate will be sent by email.

Contact Person : Indrani Guha (Mob. : 8981141371)
Registration Link :
<http://webinar.seramporegirlscollege.org/reg/Electronic%20Science/>

Present status of our students passed in the year 2019-20

Name of the student	Present Occupation
Anjali Sharma	Pursuing M.Sc in Computer Science at MAKAUT.
Keya Biswas	Pursuing M.Sc in Computer Science at MAKAUT.
Smita Dutta	Pursuing M.Sc in Computer Science at MAKAUT.

Strength of the department

- Special Attention to all students.
- Teachers are always very responsive.
- Student teacher ratio is very good.

Weakness of the department

- Number of students in the department.
- Merits of the most of the students are not up to the mark.