

1. INVIGILATION DUTY SCHEDULE

INVIGILATION DUTY FOR 6th SEM

ROOM NO →		A201	A202	A203	A301	A302	A303	A304	A305	A306	RESERVE
DATE	TIME										
2/6/23	10:00AM-1:00PM	SRS SG	SAG SAB	PRG UKS	SBD SKB	SND AB	SD AGB	RJM JDB	AD KM	SS PG	AG SBP
5/6/23	10:00AM-1:00PM	CJ AC	TG SBB	AG TD	MD SBH	SHG BS	DP AU	APD SOD	SBG SBP	SH MR	SD DBS
7/6/23	10:00AM-1:00PM	SNB DNB	JB SKD	SBR CJ	DKS PS	MS TM	SUB AD	SKR SAB	AKM RM	BB SS	MD BS
9/6/23	10:00AM-1:00PM	SHG SAB	MD SUD	PD AD	PID SB	DKS AU	SND SKB	AG PB	AC SMD	SBH SD	RJM SJB
12/6/23	10:00AM-1:00PM	MKS AB	SHD SDE	JB SBG	PD SRC	SAG UKS	SH PS	SB PG	SNB SOD	SBD PB	SRS APD
14/6/23	10:00AM-1:00PM	MD SH	TG KM	AD PB	PRG SJB	RJM SBP	SP DBS	JDB SBR	AKM SHD	SOE RM	MS MKS
16/2/23	10:00AM-1:00PM	X	X	X	SKR BS	SUB SG	BB MS	DKS SD	DNB TM	SP SBH	AD PG

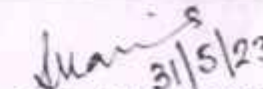
INVIGILATION DUTY FOR 2nd SEM

ROOM NO →		A201	A202	A203	A204	A301	A302	A303	A304	A305	RESERVE
DATE	TIME										
2/6/23	2:00PM-5:00PM	DBS SUD	SBR SHD	JB AC	APD SMD	SP BS	CJ RM	SUB SJB	SHG TM	SH MS	SRC PB
5/6/23	2:00PM-5:00PM	SAG SKB	AKM PS	SBD SRC	SND PG	AB SS	AGB SB	PID SKD	SNB SDE	BB SRS	DKS SBR
7/6/23	2:00PM-5:00PM	RJM SBP	JDB MR	SRS UKS	MKS AU	DP SOD	TG TD	APD KM	SBB SG	AG PG	SMD PRG
9/6/23	2:00PM-5:00PM	MS SBB	DNB TM	MR AGB	AB SG	SS SKR	SHD SDE	SKD TD	PRG SRC	SH PS	DP TG

Pradipto Ghosh(PRG), Pratyay Debnath(PD), Sudeshna Bnerjee(SUB), Abhranil De(AD), Aishwarya Mukherjee (AG) Subham Ganguly(SBG), Mousumi Das(MD), Shirshendu Hore(SH), Shyamal Pal(SP), Dibyendu Samanta(DBS), Sumanta Daw(SUD), Manab Kr. Saha(MS), Sandeep Bhowmik(SBH), Sanghamitra Das(SD), Mousomi Roy(MR), Agnimita Banerjee(AGB), Pritam Sett(PS), Jagadish Bhattacharya(JDB), Swarup Samanta(SRS), Biswajit Basak(BB), Deb Kr. Sheet(DKS), Subhajit Malik(SJM), Subhojit Roy(SBR), Manish Kr Singh(MKS), Ankan Bhattacharya (AB), Susmita Biswas (SB), Shamik Ghosh(SHG), Rajib Kr Mondal(RJM), Samir Ghosh(SAG), Dipanwita Biswas (DNB), Debalina Pradhan(DP), Chandan Jana(CJ), Shilpi Saha(SS), Sandip Das(SND), Sannistha Banerjee(SNB), Anikendu Maitra(AKM), Anirban Upadhyaya (AU), Shuas Deb(SHD), Swati Dey (SDE), Jayanta Bandopadhyay(JB), Arpita Chattopadhyay(AC), Shibasish Deb(SBD), Tanumoy Ghosh(TG), Arpita Das(APD), Piyali Das(PID), Saikat Dutta(SKD), Soumya Kanta Ray(SKR), Subhadeep Biswas (SBB) .

Uttam Kr Samanta(UKS), Shantabrata Pal(SBP), Tathagata Mallick(TM), Saikat Banerjee(SAB), Sourav Chowdhury(SRC), Pritam Biswas(PB), Kallol Mallick(KM), Bidisha Sengupta(BS), Shyamali Gayen(SG), Debasis Bose(DB), Sajal Kr. Bandopadhyay(SJB), Priyanka Ghosh(PG), Soumi Dey(SOD), Ranjit Majhi(RM), Somnath Dey(SMD), Tanima Das(TD), Sudipta Kantsabaniki(SKB).


PRINCIPAL 31/5/23


31/5/23
G.I.C. - EXAMINATION

INVIGILATION DUTY FOR 8th SEM


ROOM NO→		A201	A202	A203	A301	A302	A303	A304	A305	A306	RESERVE
DATE	TIME										
1/6/23	10:00AM-1:00PM	SNB AG	BB AC	PD UKS	SBD SG	CJ SRC	JOB SAB	SD MR	X	X	SAG JB
3/6/23	10:00AM-1:00PM	SRS SHD	APD SMD	JB PRG	RJM DSB	SH AU	SBR BS	SS SOD	X	X	AKM TM
6/6/23	10:00AM-1:00PM	AD PB	DP RM	MKS SKB	SKD KM	TG TD	SND PG	SBH DKS	MD AGB	SAG TM	SS JDB
8/6/23	10:00AM-1:00PM	SUD SBG	SNB SB	AKM SJB	SDE MS	PID SOD	SHG SMD	MD PS	X	X	SND UKS
13/6/23	10:00AM-1:00PM	X	X	X	X	X	X	X	BB SKB	SKR SAB	SBD
15/6/23	10:00AM-1:00PM	X	X	X	X	X	X	X	CJ AB	SBD RM	SHD
17/6/23	10:00AM-1:00PM	X	X	X	X	X	X	X	SUB KM	SH DKS	SDE

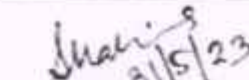
INVIGILATION DUTY FOR 4th SEM

ROOM NO→		A201	A202	A203	A301	A302	A303	A304	A305	A306	RESERVE
DATE	TIME										
1/6/23	2:00PM-5:00PM	RJM SUD	MS SBP	AGB SB	SND SJB	TG PB	SBG SKR	DNB PG	DBS SBB	SBR AKM	SH SBH
3/6/23	2:00PM-5:00PM	IDB SDE	DP AC	PID SKD	PD TD	AG SP	SAG SBP	SBH SRC	SUB SB	SD SG	BB CJ
6/6/23	2:00PM-5:00PM	SRS MR	AU APD	JB SMD	SHD BS	PRG UKS	SHG AG	DNB PS	BB AB	AKM SJB	SUB SAB
8/6/23	2:00PM-5:00PM	SAG SBP	SP PB	IDB MKS	SRS SAB	SS AU	DP SHD	SBD TD	APD SKB	SD RM	KM AC
10/6/23	2:00PM-5:00PM	AC SKD	SBG SRC	MKS BS	TG PID	PD KM	SND SOD	SBR SBB	MD MR	RJM TM	AU RM
13/6/23	2:00PM-5:00PM	AD UKS	MR AGB	DKS SG	SB SNB	CJ PG	JB PRG	SBB SKR	SUB SOE	SHG DNB	PID PB
15/6/23	2:00PM-5:00PM	X	X	X	SP DBS	SUD AGB	SBH MKS	DP SJB	PID TD	SKD SMD	SBB SOD

Pradipto Ghosh(PRG), Pratyay Debnath(PD), Sudeshna Bnerjee(SUB), Abhronil De(AD), Anshwarya Mukherjee (AG) Subham Ganguly(SBG), Mousumi Das(MD), Shirshendu Hore(SH), Shyamal Pal(SP), Dibyendu Samanta(DBS), Sumanta Daw(SUD), Manab Kr. Saha(MS), Sandeep Bhowmik(SBH), Sanghamitra Das(SD), Mousomi Roy(MR), Agnimita Banerjee(AGB), Pritam Sett(PS), Jagadish Bhattacharya(IDB), Swarup Samanta(SRS), Biswajit Basak(BB), Deb Kr. Sheet(DKS), Subhajit Malik(SJM), Subhojit Roy(SBR), Manish Kr Singh(MKS), Ankan Bhattacharya (AB), Susmita Biswas (SB), Shamik Ghosh(SHG), Rajib Kr Mondal(RJM), Samir Ghosh(SAG), Dipanwita Biswas (DNB), Debalina Pradhan(DP), Chandan Jana(CJ), Shilpi Saha(SS), Sandip Das(SND), Sannistha Banerjee(SNB), Anikendu Maitra(AKM), Anirban Upadhyaya (AU), Shuas Deb(SHD), Swati Dey (SDE), Jayanta Bandopadhyay(JB), Arpita Chattopadhyay(AC), Shibasish Deb(SBD), Tanumoy Ghosh(TG), Arpita Das(APD), Piyali Das(PID), Saikat Dutta(SKD), Soumya Kanta Ray(SKR), Subhadeep Biswas (SBB)

Uttam Kr. Samanta(UKS), Shantabrata Pal(SBP), Tathagata Mallick(TM), Saikat Banerjee(SAB), Sourav Chowdhury(SRC), Pritam Biswas(PB), Kallol Mallick(KM), Bidisha Sengupta(BS), Shyamali Gayen(SG), Debasis Bose(DB), Sajal Kr. Bandopadhyay(SJB), Priyanka Ghosh(PG), Soumi Dey(SOD), Ranjit Majhi(RM), Somnath Dey(SMD), Tanima Das(TD), Sudipta Kansabanik(SKB)


PRINCIPAL 31/5/23


Q.I.C. - EXAMINATION

2. SITTING ARRANGEMENT OF SEMESTER EXAMINATION

ROOM NO: A 306

FIFTH SEMESTER

FRONT --

DOOR

CE/CS	CS/CE
17601321069 (LT)	17600121119(LT)
17600320006-SC	17601321070 (LT)
17601321071 (LT)	17600720001- SC
	17601321073 (LT)
17601321074 (LT)	
	17601321075 (LT)
17601321076 (LT)	

REGULAR

CE/CS	CS/CE
17601321050 (LT)	17600121095 (LT)
17600121096 (LT)	17601321051 (LT)
17601321052 (LT)	17600121097 (LT)
17600121098 (LT)	17601321062 (LT)
17601321063 (LT)	17600121114(LT)
17600121115 (LT)	17601321064 (LT)
17601321065 (LT)	17600121116(LT)
17600121117 (LT)	17601321066 (LT)
17601321067 (LT)	17600121118(LT)
TOTAL: (5+5+9+9) 28	

Swagata

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Officer-in-Charge
Hooghly Engineering & Technology College
Vivekananda Road, Pipulpati
Hooghly, Pin- 712103

3. MOBILE TEAM DOCUMENT



HOOGHLY ENGINEERING AND TECHNOLOGY COLLEGE

VIVEKANANDA ROAD, PIPULPATI
P.O. & DIST : HOOGHLY
PIN-712103



Date: 31.05.2023

NOTICE

All the concerned members of this college are hereby informed that a mobile Team has been formed for the smooth conduction of the upcoming Even Semester Examination 2023. The members of the Mobile team are mention below:

1. Prof. (Dr.) Pradosh Kr. Adhvaryu. (Principal)
2. Prof. (Dr.) Abhijit Maity (HoD, EE)
3. Dr. Smitadhi Ganguly (HoD, ME)
4. Dr. Rajesh Patra (HoD, BSH)
5. Dr. Biswajit Halder (HoD, CSE).
6. Ms. Arpita Chatterjee (DIC, CE)
7. Mr. Swarup Samanta (DIC, ECE)
8. Mr. Anikendu Maitra (DIC, EE)
9. Ms.. Swagata Mallik (OIC-Examination)
10. Mr. Sandip Basu (Supervisor-Examination)
11. Mr. Shaktibrata Roy

Prof. (Dr.) Pradosh Kr. Adhvaryu.

Principal

Copy to:

1. All HODs/DICs
2. Exam Office
3. Front Office
4. TPO
5. L.O.

4. INSTRUCTION TO THE STUDENTS



HOOCHLY ENGINEERING AND TECHNOLOGY COLLEGE
VIVEKANANDA ROAD, PIPULPATI,
P.O. & DIST: HOOCHLY, PIN-712103



DATE: 30.11.22

INSTRUCTIONS TO THE STUDENTS

A. THE CANDIDATES ARE NOT PERMITTED TO

- 1) MOBILE PHONE
- 2) PROGRAMMABLE CALCULATOR, EXERCISE / NOTE BOOKS
- 3) TEXT / REFERENCE BOOKS, WRITING BOARD WHICH ARE CONSIDERED UNAUTHORIZED MATERIALS IN EXAMINATION HALL
- 4) SHARE CALCULATOR, SCALE PENCIL, PEN, ERASER ETC WITH OTHERS

B. THE CANDIDATES WILL BE PERMITTED TO CARRY

- 1) NON-PROGRAMMABLE CALCULATOR
- 2) ADMITCARD / REGISTRATION CERTIFICATE
- 3) PEN / PENCIL / ERASER / DRAWING INSTRUMENTS

C. STUDENTS HAVE TO WRITE

- 1) ALL SIX DIGITS OF THE NUMBER OF THE ANSWERSCRIPTS ON THE ATTENDANCE ROLL AGAINST HIS/HER NAME/ROLL NO.

EXAMINEE IS NOT ALLOWED TO ENTER THE EXAMINATION HALL WITHOUT PROPER UNIFORM DURING THE EXAMINATION.

EXAMINEE SHOULD USE THEIR OWN ARTICLES ONLY AND WILL NOT SHARE WITH OTHERS. ANY KIND UNFAIR MEANS WILL NOT BE ALLOWED IN THE EXAMINATION HALL

Shan's
30/11/22
Officer – in-Charge (Examination)

Prof. Swagata Choudhury
Officer-in-Charge
Hoochly Engineering & Technology College
Vivekananda Road, Pipulpat
Hoochly, Pin- 712103

**** SPECIAL NOTE FOR STUDENTS: STUDENTS ARE FREE TO REPORT IN WRITING ABOUT THEIR DIFFICULTIES WITH A QUESTION PAPER VIZ, OUT OF SYLLABUS, MISPRINT, REPETITIONS, ETC. THESE REPORTS NEED TO BE SENT TO THE CONTROLLER OF EXAMINATIONS-M.A.K.A.U.T. AFTER ENDORSEMENT OF THE O.I.C / PRINCIPAL.**

5. CCTV CAMERA PICTURES DURING EXAMINATION

12-05-2022 Mon 10:01:39



ROOM-202A

Shanice

Prof. Swagata Choudhary
Officer-In-Charge,
Hooghly Engineering & Technology College
Vivekananda Road, Pipulpati
Hooghly, Pin- 712103

12-06-2022 Tue 10:00:19



ROOM-202a

Shan
Prof. Sivagata Choudhury
Officer-in-Charge,
Hooghly Engineering & Technology College
Vivekananda Road, Pipulpati
Hooghly, Pin- 712103

6. BIO BREAK DOCUMENT

Hooghly Engineering and Technology College

Odd semester Examination, February 2023

Bio-Break

Date: 16/02/23

Room No. A-202

Sl. No.	Name	Dept.	Out time	In time
1	Priyatothi Patra	EE	3:08	3:10
2	Krishana Ghosh	EE	3:10	3:13
3	Apar Haldar	EE	3:13	3:15
4	Sunglit Jaiswal	EE	3:15	3:20
5	Arunab De	EE	3:20	3:22
6	Abhirup Haldar	EE	3:27	3:29
7	Pranay Sen Choudhury	ECE	3:34	3:37
8	Palash Chel	ECE	3:38	3:40
9	Tushnik DAS	EE	3:38	3:41
10	Ankur Manna	ECE	3:45	3:47
11	Ashob Ghosh	ECE	3:47	3:49
12	Sohan Saha	ECE	4:50	4:51
13	Colanki Sadhu	ECE	4:00	4:04
14	Shubham Das	ECE	4:01	4:03
15	Sangop Das	ECE	4:03	4:06
16	Soumyo Saha	ECE	4:10	4:11
17	Sagam Bhowal	ECE	4:15	4:18
18	Ranjit Pathak	ECE	4:19	4:25
19	Argha Kar	ECE	4:26	4:28
20				
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32				
33				
35				
36				


16/02/23
Sign of Invigilator

7. UNIVERSITY ACADEMIC CALENDER



MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL
(Formerly WEST BENGAL UNIVERSITY OF TECHNOLOGY)
Main Campus: NH 12, Haringhata, Post Office - Simhat, Police Station – Haringhata, Pin - 741249
City Campus: BF-142, Sector -I, Salt Lake, Kolkata -700 064

Academic Calendar for Academic Session 2022-23

Activity	Start Date	End date
Odd Semester 2022-23		
Commencement of Academic Programs (3 rd , 5 th , 7 th and 9 th Sem)	04.07.2022	
Enrollment of students (3 rd , 5 th , 7 th and 9 th Sem)	07.07.22	15.07.22
Commencement and Enrollment of students of 1 st semester	As per admission dates. Would be notified separately	
Submission of CA1(all even semesters)	01.08.22	04.08.22
Submission of CA2& PCA1 (all even semesters)	01.09.22	04.09.22
Submission of CA3(all even semesters)	17.10.22	20.10.22
Submission of CA4& PCA 2 (all even semesters)	09.11.22	12.11.22
Pre Examination activities (Form fill-up etc) Odd Sem 2022-23	16.11.22	24.11.22
Practical, Sessional and Viva-Voce examinations	25.11.22	30.11.22
Marks submission for Practical, Sessional and Viva-Voce exams	01.12.22	05.12.22
Theory Examinations for even semester 2022-23	02.12.22	24.12.22
Even Semester 2022-23		
Commencement of Academic Programs (2 nd , 4 th , 6 th , 8 th , 10 th Sem)	02.01.2023	
Enrollment of students(other semester)	04.01.23	12.01.23
Submission of CA1(all even semesters)	01.02.23	04.02.23
Submission of CA2& PCA1 (all even semesters)	01.03.23	04.03.23
Submission of CA3(all even semesters)	01.04.23	04.04.23
Submission of CA4& PCA 2 (all even semesters)	01.05.23	04.05.23
Pre Examination activities (Form fill-up etc) Odd Sem 2022-23	08.01.23	16.01.23
Practical, Sessional and Viva-Voce examinations	22.05.23	27.05.23
Marks submission for Practical, Sessional and Viva-Voce exams	28.05.23	30.05.23
Theory Examinations for even semester 2022-23	01.06.23	20.06.23

Lahiri 30/6/22
Dr. Partha Pratim Lahiri
Registrar,
MAKAUT, WB

8. MODEL ANSWER

ANALOG COMMUNICATION 2022-2023 SOLUTION

(i) An Amplifier generating no noise should have a Noise Figure of _____
Model Answer :

0 dB

(ii) Which component is not common between a tuned radio frequency (TRF) receiver and Super-heterodyne receiver?
Model Answer :

IF amplifier

(iii) The FCC assigned frequency range for AM broadcasting is _____
Model Answer :

555-1005 kHz

(iv) FM signal is a narrow band FM (NBFM). If modulation index is _____
Model Answer :

≤ 0.5

(v) When Gaussian noise passed through the IF amplifier, then the PDF of the output envelope is given by _____
Model Answer :

Rayleigh PDF

(vi) What is quadrature null effect in synchronous detection technique?
Model Answer :

90 deg

(vii) What is PSD of White Noise?
Model Answer :

$N_0/2$

(viii) What is the low-level carrier called that is sometimes transmitted along with the two sidebands in DSB?
Model Answer :

Pilot carrier

(ix) A Super heterodyne receiver with IF of 450 kHz is tuned to a signal at 1200 kHz. Calculate the Image Frequency.
Model Answer :

2100 kHz

(x) In order to get good S/N ratio at the destination, the practical FM broadcasting stations use modulation indices (i.e., β values) of the order of _____
Model Answer :

at least 5


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(X) The image channel rejection in a super heterodyne receiver comes from _____ stage only.

Model Answer :

IF stage only

(XI) In a modulation system, on doubling the modulation frequency, the modulation index gets halved while the modulating voltage needed remains unaltered. The modulation system is _____

Model Answer :

FM

2. What are the advantages of modulation in communication systems? Explain three main reasons with proper example. [5]

Model Answer :

Antenna Size, Multiplexing, Narrowbanding

3. How AM signal can be detected with Synchronous Detector. [5]

Sketch the time and frequency domain representation of baseband, carrier, DSB-SC, DSB+C signal.

Model Answer :

Ref. B.P.Lathi

4. A diode detector has a load of $1\text{ k}\Omega$ shunted by a 10000 pF capacitor. The diode has a forward resistance of $1\text{ }\Omega$. Find the maximum permissible depth of modulation, so as to avoid diagonal clipping with modulating signal frequency 10 kHz . [5]

Model Answer :

0.647

5. Explain the demodulation of FM signal using a Dual-Slope Detector Circuit. [5]

(use necessary circuit diagram & graphical representation of circuit response with frequency)

Model Answer :

Ref. P. R. Rao

6. 24 voice signals are sampled uniformly and then time division multiplexed (TDM). The sampling operation uses flat top samples with $1\text{ }\mu\text{s}$ duration. The multiplexing operation includes provision for synchronization by adding an extra pulse of appropriate amplitude and $1\text{ }\mu\text{s}$ duration. The highest frequency component of each voice signal is 3.4 kHz . Assuming sampling rate of 8 kHz . Calculate the spacing between successive samples of multiplexed signals. [5]

Model Answer :

$4\text{ }\mu\text{s}$

7. (a) Prove that Fourier transform of $f(t)\cos(\omega_0 t)$ is $\frac{1}{2}[F(\omega - \omega_0) + F(\omega + \omega_0)]$ where $F(\omega)$ is the Fourier transform of $f(t)$. [5]

Model Answer :

Ref. B. P. Lathi


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- 7 (b) Show that: $\hat{A}_\mu = (E_{\max} - E_{\min}) / (E_{\max} + E_{\min})$, for single tone AM signal. Where, E_{\max} & E_{\min} are the max and min amplitude of the AM wave envelope. [5]

Model Answer :

Ref. Singh & Sapre

- 7 (c) A 2 MHz carrier is amplitude modulated by a 500 Hz modulating signal to a depth of 70%. If the unmodulated carrier power is 2 kW, then calculate the power of the modulated signal. [5]

Model Answer :

2.49 kW

- 8 (a) What is VSB? Draw the block diagram of VSB modulator and demodulator. What are the advantages of VSB over DSB and SSB? [5]

Model Answer :

Ref. B. P. Lathi

- 8 (b) What is the function of AGC in Superheterodyne receiver? What is Delayed AGC? Why it is required? [5]

Model Answer :

Ref. P. R. Rao

- 8 (c) A super heterodyne receiver is designed to receive transmitted signals between 5 and 10 MHz. High-side tuning is to be used. Find the tuning range of the local oscillator (LO) for IF frequency 500 kHz. [5]

Model Answer :

5.5 MHz to 10.5 MHz

- 9 (a) Draw the phasor diagram of a typical AM, DSB-SC and SSB-SC signals with explanation. [5]

Model Answer :

Ref. Singh & Sapre

- 9 (b) Draw the Spectral representation of DSB-SC, DSB-FC, SSB-SC, SSB-FC and VSB-SC signals. [5]

Model Answer :

Ref. B. P. Lathi

- 9 (c) A certain transmitter (AM) is radiating 132 kW when a certain audio sine wave is modulating it to a depth of 80% and 150 kW when a second sinusoidal audio wave also modulates it simultaneously. What is the depth of modulation for the second audio wave? What is the overall % of modulation? [5]

Model Answer :

0.6, 100%


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- 10 (a) Show that the envelope detector output will follow the envelope if it satisfies $RC \leq \frac{1}{\omega_m} \sqrt{1 - \beta^2} / (1 + \beta^2)$, where the symbols carry their usual meaning. [5]

Model Answer :

Ref. Singh & Sapre

- 10 (b) A diode detector load consists of $0.01 \mu\text{F}$ capacitor in parallel with a 5Kohms resistor. Calculate the maximum depth of modulation without diagonal clipping at modulating frequency of 1000 Hz and 10 KHz . [5]

Model Answer :

0.95, 0.3

- 10 (c) Compare the merits and demerits of Filter method of SSB-SC generation. How do you overcome the limitations of the above mentioned method? [5]

Model Answer :

Ref. Singh & Sapre

- 11 (a) Describe the effect of variation of modulation index, β on the spectrum of FM signal. [5]

Model Answer :

Ref. Singh & Sapre

- 11 (b) Derive Carson's Rule regarding FM signal bandwidth. [5]

Model Answer :


Ref. B. P. Lathi

- 11 (c) A modulating signal $5 \cos 2\pi \times 10^3 t$ V, single modulates a carrier $A \cos 2\pi \times 10^6 t$ V. [5]
(i) Find modulation index (β) and bandwidth for both FM and PM signal.
(ii) Determine the change in the bandwidth and the modulation index for both FM and PM, if f_m is reduced to 5 kHz .
Assume: $K_f = K_p = 10 \text{ kHz/V}$.

Model Answer :

(i) FM:
 $\beta = 5$, BW = 180 kHz .
PM:
 $\beta = 75,000$, BW = 2250 MHz .

(ii) FM:
 $\beta = 15$, BW = 160 kHz .
PM:
 $\beta = 25 \text{ kHz}$, BW = 750 MHz .


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9. PRACTICAL EXAM SCHEDULE

Hooghly Engineering & Technology College

SCHEDULE OF M.A.K.A.U.T 5th SEMESTER PRACTICAL /SESSIONAL EXAMINATIONS, NOVEMBER, 2022

Date	Time	CSE			ECE		EE		CE		ME
		Group- A	Group- B	Group- C	Group- A	Group- B	Group- A	Group- B	Group- A	Group- B	Group- A
24.11.22	10:00-1:00	PCCCS592	ESC591								
	2:00-5:00	MCCS501	MCCS501								
25.11.22	10:00-1:00	ESC591		PCCCS593	EC591	EC593			CE(PC)595	CE(PC)596	PCME592
	2:00-5:00	PCCCS593		ESC591	EC593	EC591			CE(PC)596	CE(PC)595	PCME591
26.11.22	10:00-1:00		PCCCS593	PCCCS592			PC-EE591	PCEE594	CE(PC)591	CE(PC)597	MC501
	2:00-5:00		PCCCS592	MCCS501			PCEE594	PC-EE591	CE(PC)597	CE(PC)591	PWME581
29.11.22	10:00-1:00				EC592	MC-HU581	PCEE592	PCEE593			
	2:00-5:00				MC-HU581	EC592	PCEE593	PCEE592			
30.11.22	10:00-1:00								CE(PC)594	CE(MC)501	
	2:00-5:00								CE(MC)501	CE(PC)594	

ESC591	Software Engineering	EC593	DSP LAB		CE(PC)591	RC Design Sessional	PCEE-591	ELECTRIC MACHINE II
PCCCS592	Operating Systems	MC-HU581	EFFECTIVE TECHNICAL COMM LAB		CE(PC)594	Soil Mechanics Laboratory	PCEE592	POWER SYSTEM -I LAB
PCCCS593	Object Oriented Programming	PCME591	Mechanical Engineering Laboratory I (Thermal)		CE(PC)595	Environmental Engineering Lab	PCEE593	CONTROL SYSTEM LAB
MCCS501	Constitution of India	PCME592	Machine Drawing-II		CE(PC)596	Transportation Engineering Lab	PCEE594	POWER ELECTRONICS LAB
EC591	EM THEORY LAB	PWME581	Project-I (30 hrs. Total)		CE(PC)597	Computer Application in CE		
EC 592	DIG COMM LAB	MC501	Essence of Indian Knowledge Tradition		CE(MC)501	Constitution of India		

S.L.L. 22.11.22
PRINCIPAL

22/11/22
O.I.C. - EXAMINATION

Transparency in Examination

- Post Exam Dashboard
- Profile
- Principal/Director Support
- Change Password
- Logout

Question Paper Problems

Course Paper: Course: Subject Paper:

Support

You are reporting For:

Course : - Bachelor of Technology in Computer Science & Engineering (001) Subject : - PEC-CS701B - (7553)

S. No.	Question No	Remarks	Action
1-	1011	Operation of CMS and CRM are not related with specified syllabus. Hence it is difficult for students to explain their operations on FaaS/SCJA.	<input type="button" value="Update"/>
2-	Question No:		<input type="button" value="Submit"/>
3-	Question No		<input type="button" value="Submit"/>

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mekaut1.uganapply.com/smartexam/public/collegs/qp-problems

Principal/Director Support
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Support

Course Name: [1] | Course: Bachelor of Technology in Mechanical Engin... | Subject Name: PC-ME601 - (6653)

Result | Search

You are reporting For:

Course :- Bachelor of Technology in Mechanical Engineering (007) | Subject :- PC-ME601 - (6653)

S. No.	Question No	Remarks	Action
1-	1. (vi)	Completely irrelevant and meaningless questions.	Update
2-	1. (xi)	EDM process is completely out of syllabus. EDM is in 2th semester.	Update
3-	3.	completely out of syllabus. Casting and its design not in the syllabus of PC-ME 601.	Update
4-	5	The topic of the question is completely mismatched with the content of the syllabus.	Update

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- Logout

Question Paper Problems

Question Paper Problems

Question Type:

Course:

Subject/Year:

You are reporting For :

Course :- Bachelor of Technology in Civil Engineering (013)

Subject :- CE(PC)402 - (4446)

S. No.	Question No	Remarks	Action
1-	4	Exponential population growth equation is not included in syllabus.	<input type="button" value="Update"/>
2-	8 (ii)	Discharge of well (Theim's and Dupuit's formula) is not included in new syllabus	<input type="button" value="Update"/>
3-	10 (b)	Discharge of well (Theim's and Dupuit's formula) is not included in new syllabus	<input type="button" value="Update"/>

Support

**10. POST PUBLICATION SCRUTINY (PPS)
POST PUBLICATION REVIEW (PPR)**



MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL
(FORMERLY KNOWN AS WEST BENGAL UNIVERSITY OF TECHNOLOGY)
BF-142, SALT LAKE, SECTOR-I, KOLKATA-700 064, INDIA
Website : www.wbut.ac.in Email : coe@wbut.ac.in

16.06.2018

No. COE/MAKAUT, WB/17-18/76/PPS/PPR

To
The Principal/Director
All Affiliated Colleges/Institutes/In-House Departments of MAKAUT, WB.

Sub: Publication of the Review results of the Odd Semester Examinations 2017-18

Dear Sir / Madam,

The Review results of the Odd Semester Examinations all UG & PG 2017-18 are being published today.

The results would be uploaded in our Website: www.makautexam.net. The students may also visit www.exametc.com. The students may also get their result on SMS by their mobile phone entering the message:

Message to be sent:	MAKAUT<space>Rollnumber<space>semester Example : MAKAUT 1111111111 2
send to:	56070

The students may pre-register their roll no. on www.exametc.com. If they pre-register their Roll no. on www.exametc.com. By using their mobile, result may be sent to them on their registered mobile no.

In case of any discrepancy in the said result, the same may be informed in writing to the Controller of Examinations.

We thank all the Principals/Directors for their support and solicit their kind cooperation in future.

Sincerely,

Haider Ali

(Haider Ali)
Controller of Examinations (OSD)
MAKAUT, W B



Ref. No. :

Date :

No. COE/MAKAUT/FACULTY/27/2019-20

Date: 14/02/2020

NOTICE

The colleges are hereby notified that the degree certificates and PPS/PPR Mark-sheets of Even Semester 2019 are ready for distribution.

The colleges must collect the Certificates and Mark-sheets from the University within 28/02/2020. The colleges must send an authorised representative with letter of authority to collect the certificates.

Any missing/printing related issue of Certificates and Mark-sheets must be brought into the notice of the University within 15/03/2020. No further discrepancy related issue will be entertained after the stipulated date.

**Dr. Subhashis Datta
(Controller of Examinations)**



Ref. No. :

Date :

Ref. No. **COE/MAKAUT,WB/PPR(odd 2019-20)/45/2020**

Date: 10.07.2020

Notice regarding PPR for Odd Semester Examinations 2019-20

This is for information to all students and the College authorities/Departments of The University that the Forms of PPR for the odd semester 2019-20 of all programs is open for submission. The submission of form will continue as per following schedule. The College authorities are also requested to take initiative to inform the students and help them to complete the application process online in view of Covid-19 pandemic situation accordingly.

PPR Application Forms will be available in the University website (www.makautexam.net)	10 th July, 2020
Last date of on line submission of PPR Application Forms by the students and verification of the forms by the colleges through online portal	14 th July, 2020
The student should complete their payment online. The colleges may pay the fees on behalf of the student in consultation with student.	15 th July, 5:30 PM
Fee for PPR is Rs. 200/- per paper code.	

1. Application form would be available in the student's and college login for all enrolled students of all students of odd semester 2019-20 for all UG and PG courses.
2. Students can submit the application online from their login. In case, there is problem of connectivity, college admin can submit the application on the request of the student as a special case due to Covid-19 pandemic situation.
3. On submission of the form online by the student, the said form will be available in the college admin login for verification by the college.
4. Upon verification/ confirmation by the college, the students will be eligible to submit their fees online in their account. In case of non availability of online payment process with the students, provision would be available to pay the fees of the students by the colleges.
5. Process of collection of signed forms would be taken care by the colleges, if not possible, not immediately but through some process, as such forms need to be submitted to the university after Covid-19 situation becomes normal in future, if required otherwise.

(Dr. Subhashis Datta)
Controller of Examinations



MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL

(FORMERLY KNOWN AS WEST BENGAL UNIVERSITY OF TECHNOLOGY)

Main Campus : Haringhata, Nadia, Pin-741249

Kolkata Campus : BF-142, SECTOR-I, SALT LAKE CITY, KOLKATA-700 064, (INDIA)

Website : www.wbut.ac.in

Ref. No. :

Date :

Ref. No. COE/MAKAUT,WB/60/2020(8)

Date: 02/10/2020

NOTIFICATION

The unpublished result of PPR evaluation is updated and the details are available under "PPR Result 2019-20" option. The results are available in the website: www.makautexam.net

In case of any unpublished, incomplete or discrepancy in the said results the students are advised to contact their concerned college authorities, the same may be informed by the colleges/In-house department to the office of the Controller of Examinations through support section of the portal within 7 days of the publication of the results.

(Dr. Subhashis Datta)
Controller of Examinations



Ref. No. :

Date :

Ref. No. COE/MAKAUT,WB/ 64 /2020

Date: 06/12/2020

NOTIFICATION

The unpublished PPR result of Odd Semester 2019-20 evaluation is updated and the details are available under "PPR Result 2019-20" option. The results are available in the website: www.makautexam.net.

In case of any unpublished, incomplete or discrepancy in the said results the students are advised to contact their concerned college authorities, the same may be informed by the colleges/in-house department to the office of the Controller of Examinations through support section of the portal within 7 days of the publication of the results.

(Dr. Subhashis Datta)
Controller of Examinations

POST REVIEW RESULTS

Roll No	Name	Course	College	Semester	Exam Type	Form Status	Verification Status	Subject opted	Subjects
17600122007	SATYAM DAS	001-Bachelor of Technology in Computer Science & Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	1	REVIEWFORM	Paid	Not Verified	1	BSPH101
17600122008	SUNANDA NANDI	001-Bachelor of Technology in Computer Science & Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	1	REVIEWFORM	Paid	Not Verified	1	BSM101
17600122011	SAYAN BAISHYA	001-Bachelor of Technology in Computer Science & Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	1	REVIEWFORM	Paid	Not Verified	1	BSM101
17600122012	DEBJYOTI NATH	001-Bachelor of Technology in Computer Science & Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	1	REVIEWFORM	Paid	Not Verified	2	BSM101,BSPH101
17600122019	ABHRA BARAN KAR	001-Bachelor of Technology in Computer Science & Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	1	REVIEWFORM	Paid	Not Verified	3	ESEE101,BSM101,BSPH101
17600122020	RUPAM KUNDU	001-Bachelor of Technology in Computer Science & Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	1	REVIEWFORM	Paid	Not Verified	1	BSM101
17600122022	SOHAM KUNDU	001-Bachelor of Technology in Computer Science & Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	1	REVIEWFORM	Paid	Not Verified	1	BSM101
17600122024	TARUN MASANTA	001-Bachelor of Technology in Computer Science & Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	1	REVIEWFORM	Paid	Not Verified	2	BSM101,BSPH101
17600122025	AKASH VERMA	001-Bachelor of Technology in Computer Science & Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	1	REVIEWFORM	Paid	Not Verified	2	BSPH101,ESEE101
17600122026	ANAND KUMAR	001-Bachelor of Technology in Computer Science & Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	1	REVIEWFORM	Paid	Not Verified	3	BSM101,BSPH101,ESEE101
17600122027	SAYAN DAS	001-Bachelor of Technology in Computer Science & Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	1	REVIEWFORM	Paid	Not Verified	3	BSPH101,ESEE101,BSM101
17600122028	NABAJIT DAS	001-Bachelor of Technology in Computer Science & Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	1	REVIEWFORM	Paid	Not Verified	2	BSM101,BSPH101
17600122031	ADITYA KUMAR SINGH	001-Bachelor of Technology in Computer Science & Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	1	REVIEWFORM	Paid	Not Verified	1	BSM101
17600122032	SUGNIK TARAFDER	001-Bachelor of Technology in Computer Science & Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	1	REVIEWFORM	Paid	Not Verified	1	BSPH101
17600122033	DIPANKAR MANNA	001-Bachelor of Technology in Computer Science & Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	1	REVIEWFORM	Paid	Not Verified	1	BSPH101
17600122046	DEBJIT MITRA	001-Bachelor of Technology in Computer Science & Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	1	REVIEWFORM	Paid	Not Verified	1	BSM101
17600122050	MD SARFARAJ ALI	001-Bachelor of Technology in Computer Science & Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	1	REVIEWFORM	Paid	Not Verified	1	BSM101
17600122052	SAYAR PAUL	001-Bachelor of Technology in Computer Science & Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	1	REVIEWFORM	Paid	Not Verified	1	BSM101

88

Principal in Charge,
Hooghly Engineering & Technology College,
Vivekananda Road, Pipulpat, Hooghly.

Prof. Swagata Ghoshchoudhury
Officer-in-Charge,
Hooghly Engineering & Technology College,
Vivekananda Road, Pipulpat
Hooghly, Pin- 712103

17600121004	BISWAJIT SAMANTA	001-Bachelor of Technology in Computer Science & Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	3	REVIEWFORM	Paid	Not Verified	1	ESC301
17600121012	NIRLENDU PARUI	001-Bachelor of Technology in Computer Science & Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	3	REVIEWFORM	Paid	Not Verified	1	BSC301
17600121013	TANMOY SAHA	001-Bachelor of Technology in Computer Science & Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	3	REVIEWFORM	Paid	Not Verified	1	BSC301
17600121014	Alisha Khatun	001-Bachelor of Technology in Computer Science & Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	3	REVIEWFORM	Paid	Not Verified	1	ESC301
17600121018	Rohit patra	001-Bachelor of Technology in Computer Science & Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	3	REVIEWFORM	Paid	Not Verified	1	BSC301
17600121019	Soham Goswami	001-Bachelor of Technology in Computer Science & Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	3	REVIEWFORM	Paid	Not Verified	1	BSC301
17600121022	ARKODIP DAS	001-Bachelor of Technology in Computer Science & Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	3	REVIEWFORM	Paid	Not Verified	1	BSC301
17600121034	RISHU MISHRA	001-Bachelor of Technology in Computer Science & Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	3	REVIEWFORM	Paid	Not Verified	1	BSC301
17600121047	Sneha Pradhan	001-Bachelor of Technology in Computer Science & Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	3	REVIEWFORM	Paid	Not Verified	2	BSC301,ESC301
17600121048	DEBJIT DEY	001-Bachelor of Technology in Computer Science & Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	3	REVIEWFORM	Paid	Not Verified	1	PCC-CS302
17600121052	Indrani Neogi	001-Bachelor of Technology in Computer Science & Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	3	REVIEWFORM	Paid	Not Verified	1	BSC301
17600121063	KOUSIK BISWAS	001-Bachelor of Technology in Computer Science & Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	3	REVIEWFORM	Paid	Not Verified	2	BSC301,ESC301
17600121065	Subhadip Samanta	001-Bachelor of Technology in Computer Science & Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	3	REVIEWFORM	Paid	Not Verified	1	ESC301
17600121066	Sk Sakib	001-Bachelor of Technology in Computer Science & Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	3	REVIEWFORM	Form Submitted	Not Verified	2	PCC-CS302,ESC301
17600121072	Arkopal Sen	001-Bachelor of Technology in Computer Science & Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	3	REVIEWFORM	Paid	Not Verified	1	BSC301
17600121073	Souvik Koley	001-Bachelor of Technology in Computer Science & Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	3	REVIEWFORM	Paid	Not Verified	1	BSC301
17600121076	Anwesha Ghosh	001-Bachelor of Technology in Computer Science & Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	3	REVIEWFORM	Paid	Not Verified	1	BSC301
17600121103	Abhik Banerjee	001-Bachelor of Technology in Computer Science & Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	3	REVIEWFORM	Paid	Not Verified	2	BSC301,PCC-CS302
17600121107	Labanya Sau	001-Bachelor of Technology in Computer Science & Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	3	REVIEWFORM	Paid	Not Verified	1	PCC-CS301

88

Principal in Charge
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Hooghly, Pin-751003

Shan Chowdhury
Prof. Swagata
Officer-in-Charge
Hooghly Engineering & Technology College
Vivekananda Road, Pipulpati
Hooghly, Pin-751003

17600120061	AYUSH CHOWDHURY	001-Bachelor of Technology in Computer Science & Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	5	REVIEWFORM	Paid	Not Verified	1	PCC-CS503
17600121114	MD ZAFAR kazmi	001-Bachelor of Technology in Computer Science & Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	5	REVIEWFORM	Paid	Not Verified	3	PEC-ITS01B,PCC-CS503,PCC-CS502
17600121119	SOUREN KHAN	001-Bachelor of Technology in Computer Science & Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	5	REVIEWFORM	Form Submitted	Not Verified	6	PCC-CS503,PCC-CS502,PCC-CS501,PEC-ITS01B,E5CS01,H5MC-501
17600321051	Sayan Sarkar	003-Bachelor of Technology in Electronics & Communication Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	1	REVIEWFORM	Paid	Not Verified	2	ESEE101,BSCH101
17600322001	AKASH NANDI	003-Bachelor of Technology in Electronics & Communication Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	1	REVIEWFORM	Paid	Not Verified	1	BSCH101
17600322002	ARNAB DAS	003-Bachelor of Technology in Electronics & Communication Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	1	REVIEWFORM	Form Submitted	Not Verified	1	BSCH101
17600322006	SAYAN GHOSH	003-Bachelor of Technology in Electronics & Communication Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	1	REVIEWFORM	Paid	Not Verified	1	B5M102
17600322007	RUPAM SHARMA	003-Bachelor of Technology in Electronics & Communication Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	1	REVIEWFORM	Paid	Not Verified	1	B5CH101
17600322008	ABHIRUP BANERJEE	003-Bachelor of Technology in Electronics & Communication Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	1	REVIEWFORM	Paid	Not Verified	1	ESEE101
17600322011	ANKIT CHAUDHURI	003-Bachelor of Technology in Electronics & Communication Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	1	REVIEWFORM	Paid	Not Verified	1	B5M102
17600322013	ARGHAJIT BERA	003-Bachelor of Technology in Electronics & Communication Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	1	REVIEWFORM	Paid	Not Verified	1	BSCH101
17600322018	Devparno Mukherjee	003-Bachelor of Technology in Electronics & Communication Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	1	REVIEWFORM	Paid	Not Verified	1	B5M102
17600322021	SOUVIK PAUL	003-Bachelor of Technology in Electronics & Communication Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	1	REVIEWFORM	Paid	Not Verified	2	B5M102,BSCH101
17600322022	SOUJILI SAHA	003-Bachelor of Technology in Electronics & Communication Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	1	REVIEWFORM	Paid	Not Verified	2	B5M102,BSCH101
17600322023	DIPTANIL MANDAL	003-Bachelor of Technology in Electronics & Communication Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	1	REVIEWFORM	Paid	Not Verified	2	ESEE101,B5M102
17600322024	ROHAN MALIK	003-Bachelor of Technology in Electronics & Communication Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	1	REVIEWFORM	Paid	Not Verified	1	BSCH101
17600322025	SATABDI NANDI	003-Bachelor of Technology in Electronics & Communication Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	1	REVIEWFORM	Paid	Not Verified	1	B5M102
17600322026	SUBHAM BHOWMICK	003-Bachelor of Technology in Electronics & Communication Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	1	REVIEWFORM	Paid	Not Verified	3	ESEE101,B5M102,BSCH101
17600322029	Sagnik Basu	003-Bachelor of Technology in Electronics & Communication Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	1	REVIEWFORM	Paid	Not Verified	1	B5M102

88

Principal in Charge
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Prof. Swagata Choudhury
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Vivekananda Road, Pipulpati, Hooghly. Ph: 7112103

17600322062	TRISHA BANERJEE	003-Bachelor of Technology in Electronics & Communication Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	1	REVIEWFORM	Paid	Not Verified	1	BSCH101
17600321003	ARPAN BISWAS	003-Bachelor of Technology in Electronics & Communication Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	3	REVIEWFORM	Paid	Not Verified	1	EC304
17600321011	TUHINA ADHIKARY	003-Bachelor of Technology in Electronics & Communication Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	3	REVIEWFORM	Paid	Not Verified	2	EC303,BS-M301
17600321012	TUHIN TARAFDAR	003-Bachelor of Technology in Electronics & Communication Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	3	REVIEWFORM	Paid	Not Verified	1	EC303
17600321016	Akanksha Singh	003-Bachelor of Technology in Electronics & Communication Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	3	REVIEWFORM	Paid	Not Verified	1	EC303
17600321017	Shibam Mishra	003-Bachelor of Technology in Electronics & Communication Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	3	REVIEWFORM	Paid	Not Verified	1	EC301
17600321045	ANTARA GHOSH	003-Bachelor of Technology in Electronics & Communication Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	3	REVIEWFORM	Paid	Not Verified	1	EC304
17600321048	Antarip Manna	003-Bachelor of Technology in Electronics & Communication Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	3	REVIEWFORM	Paid	Not Verified	2	EC304,EC303
17600321052	Solanki Sadhu	003-Bachelor of Technology in Electronics & Communication Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	3	REVIEWFORM	Paid	Not Verified	1	BS-M301
17600321053	Sohan Sahana	003-Bachelor of Technology in Electronics & Communication Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	3	REVIEWFORM	Paid	Not Verified	2	EC303,EC301
17600321055	BIPEEN KUMAR ROY	003-Bachelor of Technology in Electronics & Communication Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	3	REVIEWFORM	Paid	Not Verified	2	EC304,BS-M301
17600321023	Sayantana Mallik	003-Bachelor of Technology in Electronics & Communication Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	5	REVIEWFORM	Paid	Not Verified	1	EC502
17600321035	Srijanl Sau	003-Bachelor of Technology in Electronics & Communication Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	5	REVIEWFORM	Paid	Not Verified	1	EC501
17600321056	Soumadip Mukhopadhyay	003-Bachelor of Technology in Electronics & Communication Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	5	REVIEWFORM	Paid	Not Verified	2	EC503,EC504
17600321062	Suman Samanta	003-Bachelor of Technology in Electronics & Communication Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	5	REVIEWFORM	Paid	Not Verified	1	ECS02
17600321064	SAMRAT KAUSTAV RAJ	003-Bachelor of Technology in Electronics & Communication Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	5	REVIEWFORM	Paid	Not Verified	1	EC502
17600321069	RAHUL RAKSHIT	003-Bachelor of Technology in Electronics & Communication Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	5	REVIEWFORM	Paid	Not Verified	1	EC502
17600321070	SALMA JESMIN	003-Bachelor of Technology in Electronics & Communication Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	5	REVIEWFORM	Paid	Not Verified	2	EC502,EC504
17600321071	SUMAN KHAN	003-Bachelor of Technology in Electronics & Communication Engineering	176-HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE	5	REVIEWFORM	Paid	Not Verified	1	EC502

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