



## G. Pullaiah College of Engineering and Technology

(Autonomous)

(Approved by AICTE | NAAC Accreditation with 'A' Grade | Accredited by NBA (CSE, ECE & EEE) |  
Permanently Affiliated to JNTUA)

Nandikotkur Road, Venkayapalli (V), Kurnool - 518452, Andhra Pradesh

### ACADEMIC CALENDAR

#### B.TECH I YEAR – I SEMESTER (2020 – 2021)

Induction Program ( Zero Semester )	18-01-2021 to 23-01-2021	(03 Weeks)
I Spell of Instructions :	25-01-2021 to 06-03-2021	(06 Weeks)
I Mid –term Examinations	08-03-2021 to 13-03-2021	(01 Week)
II Spell of Instructions :	15-03-2021 to 24-04-2021	(06 Weeks)
II Mid –term Examinations	26-04-2021 to 01-05-2021	(01 Week)
Preparation and Practicals:	03-05-2021 to 08-05-2021	(01 Week)
End Examinations	10-05-2021 to 15-05-2021	(02 Weeks)
Commencement of Class work for B. Tech I Year II Semester	17-05-2021 (Monday)	

Note:

- 1) The Mid-Term Examinations should be conducted and completed as per the schedule given.

  
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G. Pullaiah College of Engg & Tech.  
Nandikotkur Road, VENKAYAPALLI  
KURNOOL-518 452 (A.P.)



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### TENTATIVE ACADEMIC CALENDAR

#### B.TECH II YEAR – I SEMESTER (2020 – 2021)

I Spell of Instructions :	24-08-2020 to 11-10-2020	(07 Weeks)
I Mid –term Examinations	12-10-2020 to 18-10-2020	(01 Week)
Dasara Holidays	19-10-2020 to 25-10-2020	(01 Week)
Previous Semester External Examinations	26-10-2020 to 08-11-2020	(02 Weeks)
II Spell of Instructions :	09-11-2020 to 03-01-2021	(08 Weeks)
II Mid –term Examinations	04-01-2021 to 10-01-2021	(01 Week)
Preparation and Practicals:	11-01-2021 to 20-01-2021	(1 1/2 Week)
End Examinations	21-01-2021 to 03-02-2021	(02 Weeks)
Commencement of Class work for B. Tech II Year II Semester	17-02-2021(Monday)	

Note:

- 1) The Mid-Term Examinations should be conducted and completed as per the schedule given.

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### TENTATIVE ACADEMIC CALENDAR

#### B.TECH III YEAR – I SEMESTER (2020 – 2021)

I Spell of Instructions :	24-08-2020 to 10-10-2020	(07 Weeks)
I Mid –term Examinations	12-10-2020 to 17-10-2020	(01 Week)
Dasara Holidays	19-10-2020 to 25-10-2020	(01 Week)
Previous Semester External Examinations	26-10-2020 to 08-11-2020	(02 Weeks)
II Spell of Instructions :	09-11-2020 to 02-01-2021	(08 Weeks)
II Mid –term Examinations	04-01-2021 to 09-01-2021	(01 Week)
Preparation and Practicals:	11-01-2021 to 16-01-2021	(01 Week)
End Examinations	18-01-2021 to 30-01-2021	(02 Weeks)
Commencement of Class work for B. Tech III Year II Semester	17-02-2021(Monday)	

Note:

- 1) The Mid-Term Examinations should be conducted and completed as per the schedule given.

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### REVISED ACADEMIC CALENDAR

#### B.TECH III YEAR – I SEMESTER (2020 – 2021)

I Spell of Instructions :	24-08-2020 to 30-10-2020	(10 Weeks)
Previous Semester External Examinations	31-10-2020 to 08-12-2020	(06 Weeks)
II Spell of Instructions :	09-12-2020 to 04-01-2021	(04 Weeks)
I Mid –Term Examinations:	05-01-2021 to 09-01-2021	(01 Week)
II Spell of Instructions ( Contd ... ) :	11-01-2021 to 20-02-2021	(06 Weeks)
II Mid –term Examinations:	22-02-2021 to 27-02-2021	(01 Week)
Preparation and Practicals:	01-03-2021 to 06-03-2021	(01 Week)
End Examinations:	08-03-2021 to 20-03-2021	(02 Weeks)
Commencement of Class work for B. Tech III Year II Semester	25-03-2021( Thursday )	

Note:

- 1) The Mid-Term Examinations should be conducted and completed as per the schedule given.
- 2) Commencement of Classes for B. Tech III Year II Semester : 25<sup>th</sup> March, 2021

*C. Jiniya*  
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*C. Jiniya*  
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KURNOOL-518 452 (A.P)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR, ANANTHAPURAMU

TENTATIVE ACADEMIC CALENDAR

B.Tech/B.Pharm III & IV Years - I Semester (2020-2021)

I Spell of Instructions:	17.08.2020 to 11.10.2020	(08 Weeks)
I Mid-term Examinations: (1 <sup>st</sup> Objective + 1 <sup>st</sup> descriptive)	12.10.2020 to 18.10.2020	(01 Week)
Dasara Holidays	19.10.2020 to 25.10.2020	(01 Week)
Previous Semester External Examinations	26.10.2020 to 08.11.2020	(02 Weeks)
II Spell of Instructions:	09.11.2020 to 03.01.2021	(08 Weeks)
II Mid-term Examinations: (2 <sup>nd</sup> Objective + 2 <sup>nd</sup> descriptive)	04.01.2021 to 10.01.2021	(1 Week)
Preparation and Practicals:	11.01.2021 to 20.01.2021	(1½ Week)
End Examinations:	21.01.2021 to 03.02.2021	(02 Weeks)

**Note:**

- (i) The Mid-term Examinations should be conducted and completed as per the schedule given.
- (ii) All the midterm examinations shall be of both objective and descriptive type as per the academic regulations.
- (iii) II semester supplementary examinations will be conducted immediately after I semester regular and supplementary examinations

Date: 19.08.2020

DIRECTOR OF EVALUATION

*[Handwritten Signature]*  
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### ACADEMIC CALENDAR

#### M.TECH I YEAR – II SEMESTER (2020 – 2021)

First Unit of Instructions	06-12-2021 to 22-01-2022	(07 Weeks)
First Mid Examinations	24-01-2022 to 31-01-2022	(06 Days)
Second Unit of Instructions	01-02-2022 to 12-03-2022	(06 Weeks)
Second Mid Examinations	14-03-2022 to 21-03-2022	(06 Days)
Preparation and Practicals	22-03-2022 to 26-03-2022	(05 Days)
End Examinations	28-03-2022 to 08-04-2022	(02 Weeks)
Commencement of Class work for III Semester	11-04-2022 ( Monday)	

Note :

The Mid Examinations should be conducted and completed as per the schedule given.

  
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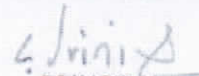
### ACADEMIC CALENDAR

#### B.TECH II & III YEAR – II SEMESTER (2020 – 2021)

I Spell of Instructions :	12-04-2021 to 22-05-2021	(07 Weeks)
I Mid –Term Examinations:	24-05-2021 to 29-05-2021	(01 Week)
II Spell of Instructions :	31-05-2021 to 17-07-2021	(08 Weeks)
II Mid –Term Examinations:	19-07-2021 to 24-07-2021	(01 Week)
Preparation and Practicals:	26-07-2021 to 31-07-2021	(01 Week)
End Examinations:	02-08-2021 to 14-08-2021	(02 Weeks)
Commencement of Class work for B. Tech III & IV Year I Semester	23-08-2021(Monday)	

#### Note:

- 1) The Mid-Term Examinations should be conducted and completed as per the schedule given.

  
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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR, ANANTHAPURAMU

Academic Calendar

B.Tech IV Year II Semester (2020-2021)

First Unit of Instructions:	15.03.2021 to 01.05.2021	(07 Weeks)
I Mid-term Examinations: (1 <sup>st</sup> Objective + 1 <sup>st</sup> descriptive)	03.05.2021 to 04.05.2021	(02 Days)
Project work	05.05.2021 to 08.06.2021	(05 Weeks)
II Unit of Instructions:	09.06.2021 to 07.07.2021	(04 Weeks)
II Mid-term Examinations: (2 <sup>nd</sup> Objective + 2 <sup>nd</sup> descriptive)	08.07.2021 to 09.07.2021	(02 Days)
End Examinations:	12.07.2021 to 14.07.2021	(03 Days)
Project Viva Voce Examinations:	15.07.2021 to 24.07.2021	(09 Days)

**Note:**

- (i) The Mid-term Examinations should be conducted and completed as per the schedule given.
- (ii) All the midterm examinations shall be of both subjective and objective type as per the academic regulations.

Date: 15.03.2021

  
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## EXAMINATION BRANCH

**De: 14-10-2020**

## **II B.TECH II SEM - II MID EXAMINATION SCHEDULE- OCTOBER 2020**

**Time: 10.00 AM to 11.50 AM**

Date / Day	Civil Engineering (CE)	Electrical & Electronics Engineering (EEE)	Mechanical Engineering (ME)	Electronics & Communication Engineering (ECE)	Computer Science & Engineering (CSE)
31-10-2020 Saturday	Managerial Economics & Financial Analysis A1701	Managerial Economics & Financial Analysis B1701	Mechanics of Solids A1313	Electronic Circuit Analysis A1408	Probability and Statistics A1017
03-11-2020 Tuesday	Strength of Materials - II A1108	Electrical Machines - II A1210	Thermal Engineering - I A1314	Analog Communication Systems A1409	Software Engineering A1510
05-11-2020 Thursday	Hydraulics and Hydraulic Machinery A1109	Control Systems A1211	Kinematics of Machines A1315	Control Systems A1211	Operating Systems A1511
07-11-2020 Saturday	Geomatics - II A1110	Power Systems-I A1212	Manufacturing Technology A1316	Electromagnetic Theory and Transmission Lines A1410	Design And Analysis of Algorithms A1512
10-11-2020 Tuesday	Structural Analysis - I A1111	Linear and Digital Integrated Circuit Applications A1414	Machine Drawing A1317	Electrical Technology A1216	Formal Languages and Automata Theory A1513
12-11-2020 Thursday	Verbal Ability and Logical Reasoning A1013	Quantitative Aptitude - I A1012	Verbal Ability and Logical Reasoning A1013	Quantitative Aptitude - I A1012	Verbal Ability and Logical Reasoning A1013

**Note :** All the Students are informed to ensure that they attend the examination on time along with their ID Cards

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1. HOD - CE, EEE, MECH, ECE, CSE.
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### EXAMINATION BRANCH

Dt: 04/11/2020

### CIRCULAR

### SCHEDULE OF I.B.TECH II SEM II MID EXAMINATIONS NOVEMBER 2020

TIME : 10:00 AM TO 11.30 AM

Date	CIVIL	EEE	MECH	ECE	CSE
18-11-2020 (Wednesday)	Engineering Graphics and computer aided drafting	Mathematics-II	Engineering Graphics and computer aided drafting	Mathematics-II	Probability & Statistics
20-11-2020 (Friday)	Engineering Chemistry	Applied Physics	Engineering Chemistry	Applied Physics	Chemistry
23-11-2020 (Monday)	Data Structures	Data Structures	Data Structures	Data Structures	Data Structures
25-11-2020 (Wednesday)	Engineering Mechanics	Electrical Circuits-I	Engineering Mechanics	Principles of Electrical Engineering	Basic Electrical and Electronics Engineering
27-11-2020 (Friday)	Mathematics-II	Communicative English	Mathematics-II	Communicative English	Engineering Graphics and computer aided drafting (CSE-A)
28-11-2020 (Saturday)	-----	-----	-----	-----	Engineering Graphics and computer aided drafting (CSE-B)
30-11-2020 (Monday)	-----	-----	-----	-----	Engineering Graphics and computer aided drafting (CSE-C)

**Note :** All the Students are informed to ensure that they attend the examination on time along with their ID Cards

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*L. Jini*  
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**EXAMINATION BRANCH**

**II B.Tech I SEM - I Mid Examination Schedule- January 2020**

Time: 10 AM to 11:50 AM

Date: 28/12/2020

Date	CIVIL	EEE	ME	ECE	CSE
04-01-2021	Transform Techniques and Numerical Methods	Transform Techniques and Complex Variables	Transform Techniques and Numerical Methods	Transform Techniques and Complex Variables	Managerial Economics & Financial Analysis
05-01-2021	Strength of Materials - I	Electrical Machines - I	Thermodynamics	Electronic Devices and Circuits	Object Oriented programming through Java
06-01-2021	Surveying	Electro Magnetic Fields	Mechanics of Solids	Digital Logic Design	Database Management System
07-01-2021	Building Materials and Construction	Electrical Circuits - II	Material Science and Engineering	Signals and Systems	Software Engineering
08-01-2021	Mechanics of Fluids	Electronic Circuits-I	Engineering Drawing for Mechanical Engineers	Probability Theory and Stochastic Processes	Discrete Mathematics
09-01-2021	Environmental Science	Human Values and Professional Ethics	Environmental Science	Human Values and Professional Ethics	Environmental Science
10-01-2021	Engineering Geology	-----	-----	-----	-----

Note: 1. All the Students are informed to ensure that they attend the examination on time along with their ID Card

2. However the students are informed that the examination scheduled on 10/01/2021 (Sunday) will be held from 09:10 AM to 11:00 AM.

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*Shrini*  
**PRINCIPAL**  
G. Pullaiah College of Engg & Tech.  
Nandikotkur Road, VENKAYAPALLI  
KURUNOOL-518 452 (A.P)

*Shrini*  
Principal

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## EXAMINATION BRANCH

III B.Tech I SEM - I Mid Examination Schedule- January 2020

Time: 2:00 PM to 03:50 PM

Date: 28/12/2020

Date	CIVIL	EEE	ME	ECE	CSE
04-01-2021	Water Resources Engineering-I	Power Systems-II	Thermal Engineering - II	Managerial Economics and Financial Analysis	Computer Networks
05-01-2021	Design of Reinforced Concrete Structures	Power Electronics	Dynamics of Machinery	Antennas and Wave Propagation	Data Mining
06-01-2021	Structural Analysis-II	Electrical Measurements and Instrumentation	Design of Machine Elements	Digital Communication Systems	Compiler Design
07-01-2021	Geotechnical Engineering-I	Digital Electronics	Fluid Mechanics and Hydraulic Machines	Linear Integrated Circuit Applications	-----
08-01-2021	Disaster Management and Mitigation	Solar Energy and its Applications	Machining Process	Data Communications and Networking / Internet of Things	Angular
09-01-2020	Python for Everyone	Computer Organization and Operating Systems	Python for Everyone	Computer Organization and Operating Systems	Fundamentals of IOT
10-01-2020	Human Values and Professional Ethics	Advanced English Language Communication Skills	Human Values and Professional Ethics	Advanced English Language Communication Skills	Human Values and Professional Ethics

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2. However the students are informed that the examination scheduled on 10/01/2021 (Sunday) will be held from 09:10 AM to 11:00 AM.

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## EXAMINATION BRANCH

Date: 20/01/2021

II B.Tech I SEM (Lateral Entry) - I Mid Examination Schedule- January 2021  
Time: 10 AM to 11:50 AM

Date	CIVIL	EEE	ME	ECE	CSE
25-01-2021	Transform Techniques and Numerical Methods	Transform Techniques and Complex Variables	Transform Techniques and Numerical Methods	Transform Techniques and Complex Variables	Managerial Economics & Financial Analysis
27-01-2021	Strength of Materials - I	Electrical Machines - I	Thermodynamics	Electronic Devices and Circuits	Object Oriented programming through Java
28-01-2021	Surveying	Electro Magnetic Fields	Mechanics of Solids	Digital Logic Design	Database Management System
29-01-2021	Building Materials and Construction	Electrical Circuits - II	Material Science and Engineering	Signals and Systems	Software Engineering
30-01-2021	Mechanics of Fluids	Electronic Circuits-I	Engineering Drawing for Mechanical Engineers	Probability Theory and Stochastic Processes	Discrete Mathematics
01-02-2021	Environmental Science	Human Values and Professional Ethics	Environmental Science	Human Values and Professional Ethics	Environmental Science
02-02-2021	Engineering Geology	-----	-----	-----	-----

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*Shrinidhi*  
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*Shrinidhi*  
**Principal**  
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## EXAMINATION BRANCH

Date: 21-01-2021

IV B.Tech I SEM - II Mid Examination Schedule- February 2021  
Time: 10:00 AM to 11.50 AM

Date	CIVIL	EEE	ME	ECE	CSE
08-02-2021	Finite Element Methods	Electrical Distribution Systems	Management Science	Optical Fiber Communication	Management Science
09-02-2021	Transportation Engineering-II	Digital Signal Processing	Automobile Engineering	Embedded Systems	Grid & Cloud Computing
10-02-2021	Environmental Engineering	Power System Operation and Control	CAD/CAM	Microwave Engineering	Information Security
11-02-2021	Water Resources Engineering-II	Utilization of Electrical Energy	Metrology and Measurements	Data Communications and Networking	Mobile Application Development
12-02-2021	Air Pollution And Quality Control	Energy Auditing & Demand Side Management	Modern Manufacturing Methods	Radar Systems	Software Architecture
13-02-2021	Rehabilitation and Retrofitting of Structures	Power Quality	Production and Operations Management	Digital Image Processing/ Cellular Mobile Communication	Software Project Management

**Note:** All the Students are informed to ensure that they attend the examination on time along with their ID Card

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## EXAMINATION BRANCH

Date: 03-02-2021

Revised IV B.Tech I SEM - II Mid Examination Schedule- February 2021  
Time: 10:00 AM to 11.50 AM

Date	CIVIL	EEE	ME	ECE	CSE
10-02-2021	Finite Element Methods	Electrical Distribution Systems	Management Science	Optical Fiber Communication	Management Science
11-02-2021	Transportation Engineering-II	Digital Signal Processing	Automobile Engineering	Embedded Systems	Grid & Cloud Computing
12-02-2021	Environmental Engineering	Power System Operation and Control	CAD/CAM	Microwave Engineering	Information Security
13-02-2021	Water Resources Engineering-II	Utilization of Electrical Energy	Metrology and Measurements	Data Communications and Networking	Mobile Application Development
15-02-2021	Air Pollution And Quality Control	Energy Auditing & Demand Side Management	Modern Manufacturing Methods	Radar Systems	Software Architecture
16-02-2021	Rehabilitation and Retrofitting of Structures	Power Quality	Production and Operations Management	Digital Image Processing/ Cellular Mobile Communication	Software Project Management

**Note:** All the Students are informed to ensure that they attend the examination on time along with their ID Card

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**Principal**  
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*[Signature]*  
Principal

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## EXAMINATION BRANCH

Date: 16-02-2021

**B.Tech III Year I Semester - II Mid Examination Schedule- March 2021**  
Time: 10:00 AM to 11:50 AM

Date	CIVIL	EEE	ME	ECE	CSE
01-03-2021	Water Resources Engineering-I	Power Systems-II	Thermal Engineering - II	Managerial Economics and Financial Analysis	Computer Networks
02-03-2021	Design of Reinforced Concrete Structures	Power Electronics	Dynamics of Machinery	Antennas and Wave Propagation	Data Mining
03-03-2021	Structural Analysis-II	Electrical Measurements and Instrumentation	Design of Machine Elements	Digital Communication Systems	Compiler Design
04-03-2021	Geotechnical Engineering-I	Digital Electronics	Fluid Mechanics and Hydraulic Machines	Linear Integrated Circuit Applications	-----
05-03-2021	Disaster Management and Mitigation	Utilization of Electrical Energy / Solar Energy and its Applications	Machining Process	Data Communications and Networking / Internet of Things	Angular
06-03-2021	Python for Everyone	Computer Organization and Operating Systems	Python for Everyone	Computer Organization and Operating Systems	Fundamentals of IOT
08-03-2021	Human Values and Professional Ethics	Advanced English Language Communication Skills	Human Values and Professional Ethics	Advanced English Language Communication Skills	Human Values and Professional Ethics

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*Shrinidhi*  
**PRINCIPAL**

G. Pullaiah College of Engg & Tech,  
Nandikotkur Road, VENKAYAPALLI  
KURNOOL-518 452 (A.P)

*Shrinidhi*  
**Principal**

G. Pullaiah College of Engg. & Tech  
Nandikotkur Road-Venkayapalli (V),  
KURNOOL - 518 452



# G. PULLAIAH COLLEGE OF ENGINEERING AND TECHNOLOGY (Autonomous)

(Approved by AICTE | NAAC Accreditation with 'A' Grade | Accredited by NBA (CSE, ECE & EEE) | Permanently Affiliated to JNTUA)  
Nandikotkur Road, Venkayapalli (V), Kurnool - 518452, Andhra Pradesh

## EXAMINATION BRANCH

Date: 16-02-2021

B.Tech II Year I Semester - II Mid Examination Schedule- March 2021

Time: 10 AM to 11:50 AM

Date	CIVIL	EEE	ME	ECE	CSE
01-03-2021	Transform Techniques and Numerical Methods	Transform Techniques and Complex Variables	Transform Techniques and Numerical Methods	Transform Techniques and Complex Variables	Managerial Economics & Financial Analysis
02-03-2021	Strength of Materials - I	Electrical Machines - I	Thermodynamics	Electronic Devices and Circuits	Object Oriented programming through Java
03-02-2021	Surveying	Electro Magnetic Fields	Mechanics of Solids	Digital Logic Design	Database Management System
04-03-2021	Building Materials and Construction	Electrical Circuits - II	Material Science and Engineering	Signals and Systems	Software Engineering
05-03-2021	Mechanics of Fluids	Electronic Circuits-I	Engineering Drawing for Mechanical Engineers	Probability Theory and Stochastic Processes	Discrete Mathematics
06-03-2021	Environmental Science	Human Values and Professional Ethics	Environmental Science	Human Values and Professional Ethics	Environmental Science
08-03-2021	Engineering Geology	-----	-----	-----	-----

Note: All the Students are informed to ensure that they attend the examination on time along with their ID Card

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PRINCIPAL  
G. Pullaiah College of Engg & Tech.  
Nandikotkur Road, VENKAYAPALLI  
KURNOOL-518 452 (A.P)

*Shrinidhi*  
Principal  
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Nandikotkur Road-Venkayapalli (V),  
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Nandikotkur Road, Venkayapalli (V), Kurnool - 518452, Andhra Pradesh

## EXAMINATION BRANCH

### SCHEDULE OF I.B.TECH I SEM I MID EXAMINATIONS March 2021

TIME : 10:00 AM TO 11.50 AM

Date	CIVIL	EEE	MECH	ECE	CSE	CSE (AI)	CSE (IOT)
22-03-2021 (Monday)	Mathematics-I	Mathematics-I	Mathematics-I	Mathematics-I	Mathematics-I	Mathematics-I	Mathematics-I
23-03-2021 (Tuesday)	Engineering Physics	Chemistry	Engineering Physics	Chemistry	Applied Physics	Applied Physics	Chemistry
24-03-2021 (Wednesday)	Python Programming	Python Programming	Python Programming	Python Programming	Python Programming	Python Programming	Python Programming
25-03-2021 (Thursday)	Engineering Graphics and Computer aided Drafting	Fundamentals of Electrical Engineering	Engineering Graphics and Computer aided Drafting	Fundamentals of Electrical Engineering	Communicative English	Engineering Graphics and Computer aided Drafting	Foundations for IOT
26-03-2021 (Friday)	Communicative English	----	Communicative English	----	Engineering Graphics and Computer aided Drafting	Communicative English	-----

### Engineering Graphics And Computer Aided Drafting Timings

Date	Branch	Timings
25-03-2020	CE	8.10 AM TO 10.00 AM
	ME	10.20 AM TO 12.10 PM
	CSE(AI)	12.30 TO 2.20 PM
26-03-2020	CSE-A	8.10 AM TO 10.00 AM
	CSE-B	10.30 AM TO 12.10 PM
	CSE-C	12.30 TO 2.20 PM

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Nandikotkur Road, Venkayapalli (V), Kurnool - 518452, Andhra Pradesh

## EXAMINATION BRANCH

Date: 28/06/2021

### IV B.TECH II SEM - I & II MID EXAMINATION SCHEDULE- JULY 2021

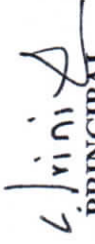
Time: MID -I (F.N 10.00 AM to 11.50 AM )  
MID -II (A.N 2.00 P.M to 3.50 P.M)


Date	CIVIL	EEE	ME	ECE	CSE
08-07-2021 (F.N & A.N)	Urban Transportation Planning	Instrumentation	Industrial Engineering	Low Power VLSI Circuits & Systems	Innovations And IT Management
09-07-2021 (F.N & A.N)	Environmental Impact Assessment And Management	HVDC Transmission	Power Plant Engineering	RF Integrated Circuits	Cyber Security

Note : All the Students are informed to ensure that they attend the examination on time along with their ID Cards

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Nandikotkur Road, Venkayapalli (V), Kurnool - 518452, Andhra Pradesh

Examination Branch

B.Tech I Year I Semester (R20) MID-II Examinations August 2021 Time: 10:00 AM to 11:40 AM

Date	CIVIL	EEE	MECH	ECE	CSE	CSE (AI)	CSE (IOT)
02-08-2021							
04-08-2021	Engineering Physics	Chemistry	Engineering Physics	Chemistry	Applied Physics		Chemistry
06-08-2021							
09-08-2021	Communicative English	Fundamentals of Electrical Engineering	Communicative English	Fundamentals of Electronics Engineering	Communicative English	Communicative English	Foundations for IOT
11-08-2021	EGCAD	----	----	----	----	----	----
12-08-2021	----	-----	EGCAD	----	----	----	----
13-08-2021	----	-----	----	----	----	EGCAD	----
14-08-2021	----	-----	----	----	EGCAD (CSE -A)	----	----
16-08-2021	----	-----	----	----	EGCAD (CSE -B)	----	----
17-08-2021	----	-----	----	----	EGCAD (CSE -C)	----	----

• EGCAD : Engineering Graphics and Computer aided Drafting

Controller of Examinations

G.Pullaiah College of Engg & Tech.  
Near Venkayapalli, Nandikotkur Road,  
KURNOOL-518 452, A.P.

Principal

G.Pullaiah College of Engg & Tech.  
Nandikotkur Road, VENKAYAPALLI,  
KURNOOL-518 452 (A.P) Nandikotkur Road-Venkayapalli (V),  
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# G.Pullaiah College of Engineering and Technology

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## B.Tech. III Year II Semester (R18) Revised Schedule of I & II MID Examinations, AUGUST 2021

Time: FN - MID I - 10.00 AM to 11:50 AM

AN - MID II - 2:00 PM to 03:50 PM

Date	Civil Engineering (CE)	Electrical & Electronics Engineering (EEE)	Mechanical Engineering (ME)	Electronics & Communication Engineering (ECE)	Computer Science & Engineering (CSE)
14-08-2021 FN & AN	Geotechnical Engineering - II A1123	Power Semiconductor Drives A1223	Operations Research A1329	Digital Signal Processing A1425	Cloud Computing A1524
16-08-2021 FN & AN	Concrete Technology A1124	Power System Analysis A1224	Design of Transmission Systems A1330	CMOS VLSI Design A1426	Software Testing Techniques A1525
17-08-2021 FN & AN	Transportation Engineering-I A1125	Microprocessors and Microcontrollers A1427	Metal Forming Processes A1331	Microprocessors and Microcontrollers A1427	Artificial Intelligence A1526
18-08-2021 FN & AN	Environmental Engineering A1126	Hybrid Electric Vehicles A1255/ Electrical Distribution and Automation A1256/ Wind Energy and its Applications A1258	Heat Transfer A1332	Microwave Engineering A1455 / Nanotechnology A1456 / System Verilog and Verification A1457	Big Data A1555 / Design Patterns A1558
20-08-2021 FN & AN	Engineering Hydrology A1157 / Air Pollution and Control A1158	High Voltage Engineering A1260/ Smart Grid Technology A1262	Flexible Manufacturing System A1355 / Refrigeration and Air Conditioning A1356	Radar Engineering A1459 / Biomedical Signal Processing A1460 / Embedded Hardware and Software Co-Design A1462	Data Analytics A1559/ Ethical Hacking A1561
21-08-2021 FN & AN	Bridge Engineering A1159 / Industrial Waste and Waste Management A1161	Human Values and Professional Ethics A1015	Project Management A1359/ Automobile Engineering A1360/ Tribology A1361	Human Values and Professional Ethics A1015	-----

Note: "Advanced English Language Communication Skills" Exam for CE, ME & CSE Students would be conducted as per the schedule ie 15-09-21 from 10 AM to 11.50 AM.

*Signature*  
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 Nandikotkur Road, VENKAYAPALLI  
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Nandikotkur Road, Venkayapalli (V), Kurnool - 518452, Andhra Pradesh

Examination Branch

**B.Tech. II Year II Semester (R19) Re- Revised Schedule of I & II MID Examinations, AUGUST 2021**  
**Time: FN - MID I - 10.00 AM to 11:50 AM**  
**AN - MID II - 2:00 PM to 03:50 PM**

Date / Day	Civil Engineering (CE)	Electrical & Electronics Engineering (EEE)	Mechanical Engineering (ME)	Electronics & Communication Engineering (ECE)	Computer Science & Engineering (CSE)
23-08-2021 FN & AN	Managerial Economics and Financial Analysis A2019	Managerial Economics and Financial Analysis A2019	Fluid Mechanics and Hydraulic Machines A2312	Control Systems A2213	Formal Language Automata Theory A2541
25-08-2021 FN & AN	Hydraulics and Hydraulic Machinery A2109	Electrical Machines - II A2212	Kinematics of Machinery A2313	Electromagnetics and Transmission Lines A2410	Web Technologies A2512
27-08-2021 FN & AN	Water Resources Engineering-I A2110	Control Systems A2213	I.C. Engines A2314	Electronic Circuit Analysis A2411	Design and Analysis of Algorithms A2513
01-09-2021 FN & AN	Strength of Materials II A2111	Electrical Power Generation A2214	Manufacturing Technology A2315	Analog Communication Systems A2412	Operating Systems A2514
03-09-2021 FN & AN	Structural Analysis-I A2112	Electronic Circuits-II A2419	Computer Aided Machine Drawing A2316	Internet of Things A2413	Computer Networks A2515
06-09-2021 FN & AN	Human Values & Professional Ethics A2047	Environmental Science A2031	Human Values & Professional Ethics A2047	Environmental Science A2031	Human Values & Professional Ethics A2047

  
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 KURNOOL - 518 452

# G.Pullaiah College of Engineering and Technology (Autonomous)

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B.Tech I Year II Semester (R20) MID 1 & II Examinations September 2021

**Time: F.N 10:00 AM to 11:50 AM**

**A.N 2:00 PM to 3:50 PM**

Date	CIVIL	EEE	MECH	ECE	CSE	CSE (IOT)	CSE (AI)
14-09-2021 FN & AN	Mathematics-II (A30010)						
16-09-2021 FN & AN	Engineering Chemistry (A30012)	Applied Physics (A30004)	Engineering Chemistry (A30012)	Applied Physics (A30004)	Chemistry (A30005)	Applied Physics (A30004)	Probability & Statistics (A30011)
18-09-2021 FN & AN	C and Data Structures (A30505)	Data Structures Using C (A30503)	C and Data Structures (A30505)	Data Structures Using C (A30503)	Data Structures Using C (A30503)	Data Structures Using C (A30503)	Chemistry (A30005)
20-09-2021 FN & AN	Engineering Mechanics (A30303)	Communicative English (A30001)	Engineering Mechanics (A30303)	Communicative English (A30001)	Basic Electrical And Electronics Engineering (A30203)	Communicative English (A30001)	Fundamentals of AI (A33101)
21-09-2021 FN	Universal Human Values (A30032)	Environmental Science (A30031)	Universal Human Values (A30032)	Environmental Science (A30031)	Universal Human Values (A30032)	Environmental Science (A30031)	Universal Human Values (A30032)
22-09-2021 S1,S2, S3 & S4	-----	EGCAD (A30301) S1: EEE-A MID -1 S2: EEE-B MID 1 S3: EEE-A MID -2 S4: EEE-B MID 2	-----	-----	-----	-----	-----
23-09-2021 S1,S2, S3 & S4	-----	-----	-----	EGCAD (A30301) S1: ECE-A MID -1 S2: ECE-B MID 1 S3: ECE-A MID -2 S4: ECE-B MID 2	-----	-----	-----
24-09-2021 S1,S2, S3 & S4	-----	-----	-----	EGCAD (A30301) S1: ECE-C MID -1 S3: ECE-C MID 1	EGCAD (A30301) S2: MID -1 S4: MID 2	-----	-----

**EGCAD TIMINGS: S1: 9.00 AM – 10.30 A.M    S2: 11.00 AM - 12.30 P.M    S3: 1.00 PM - 2.30 PM    S4: 3.00 PM – 4.30 PM**

*[Signature]*  
CONTROLLER OF EXAMINATIONS

*[Signature]*  
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Nandikotkur Road, VENKATAPALLI  
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B.Tech I Year II Semester (R20) MID 1 & II Examinations September 2021

**Time: F.N 10:00 AM to 11:50 AM**

**A.N 2:00 PM to 3:50 PM**

Date	CIVIL	EEE	MECH	ECE	CSE	CSE (IOT)	CSE (AI)	
14-09-2021 FN & AN	Mathematics-II (A30010)							Probability & Statistics (A30011)
16-09-2021 FN & AN	Engineering Chemistry (A30012)	Applied Physics (A30004)	Engineering Chemistry (A30012)	Applied Physics (A30004)	Chemistry (A30005)	Applied Physics (A30004)	Chemistry (A30005)	
18-09-2021 FN & AN	C and Data Structures (A30505)	Data Structures Using C (A30503)	C and Data Structures (A30505)	Data Structures Using C (A30503)	Data Structures Using C (A30503)	Data Structures Using C (A30503)	Data Structures Using C (A30503)	
20-09-2021 FN & AN	Engineering Mechanics (A30303)	Communicative English (A30001)	Engineering Mechanics (A30303)	Communicative English (A30001)	Basic Electrical And Electronics Engineering (A30203)	Communicative English (A30001)	Fundamentals of AI (A33101)	
21-09-2021 FN	Universal Human Values (A30032)	Environmental Science (A30031)	Universal Human Values (A30032)	Environmental Science (A30031)	Universal Human Values (A30032)	Environmental Science (A30031)	Universal Human Values (A30032)	
22-09-2021 S1,S2, S3 & S4	---	EGCAD (A30301) S1: EEE-A MID -1 S2: EEE-B MID 1 S3: EEE-A MID -2 S4: EEE-B MID 2	---	---	---	---	---	
23-09-2021 S1,S2, S3 & S4	---	---	---	EGCAD (A30301) S1: ECE-A MID -1 S2: ECE-B MID 1 S3: ECE-A MID -2 S4: ECE-B MID 2	---	---	---	
24-09-2021 S1,S2, S3 & S4	---	---	---	EGCAD (A30301) S1: ECE-C MID -1 S3: ECE-C MID 1	EGCAD (A30301) S2: MID -1 S4: MID 2	---	---	

**EGCAD TIMINGS: S2: 9.00 AM – 10.30 A.M      S2: 11.00 AM - 12.30 P.M      S3: 1.00 PM - 2.30 PM      S4: 3.00 PM - 4.30 PM**

G. Pullaiah College of Engg & Tech.  
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Nandikotkur Road, Venkayapalli (V), Kurnool - 518452, Andhra Pradesh

## EXAMINATION BRANCH

### SCHEDULE OF I B.TECH I SEM I MID EXAMINATIONS March 2021

TIME : 10:00 AM TO 11.50 AM

Date	CIVIL	EEE	MECH	ECE	CSE	CSE (AI)	CSE (IOT)
22-03-2021 (Monday)	Mathematics-I	Mathematics-I	Mathematics-I	Mathematics-I	Mathematics-I	Mathematics-I	Mathematics-I
23-03-2021 (Tuesday)	Engineering Physics	Chemistry	Engineering Physics	Chemistry	Applied Physics	Applied Physics	Chemistry
24-03-2021 (Wednesday)	Python Programming	Python Programming	Python Programming	Python Programming	Python Programming	Python Programming	Python Programming
25-03-2021 (Thursday)	Engineering Graphics and Computer aided Drafting	Fundamentals of Electrical Engineering	Engineering Graphics and Computer aided Drafting	Fundamentals of Electrical Engineering	Communicative English	Engineering Graphics and Computer aided Drafting	Foundations for IOT
26-03-2021 (Friday)	Communicative English	-----	Communicative English	-----	Engineering Graphics and Computer aided Drafting	Communicative English	-----

### Engineering Graphics And Computer Aided Drafting Timings

Date	Branch	Timings
25-03-2020	CE	8.10 AM TO 10.00 AM
	ME	10.20 AM TO 12.10 PM
	CSE(AI)	12.30 TO 2.20 PM
26-03-2020	CSE-A	8.10 AM TO 10.00 AM
	CSE-B	10.30 AM TO 12.20 PM
	CSE-C	12.30 TO 2.20 PM

*Chintha*

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BOOKLET NUMBER : 77080

**G. PULLAIAH COLLEGE OF ENGINEERING & TECHNOLOGY**  
(AUTONOMOUS)

Nandikotkur Road, Kurnool - 518452

**INTERNAL EXAMINATION ANSWER BOOK**

Hall Ticket Number

20A T 1 A 0 4 4 3

Regulations : A 20

Program : B. Tech / M. Tech / MBA

Semester : I / II / III / IV / V / VI / VII / VIII


Name : G. Hemanth Reddy

Branch : E.C.E

Name of the Subject : Applied physics

Date of Exam : 16/09/21

G. Hemanth (16/09/21)  
Signature of the Student with Date

  
16/9/21  
Signature of the Invigilator with Date

For Office Use Only

Candidates are required to read the instructions printed inside (Overleaf) very carefully.

Name of the Subject : Applied physics


To be filled in by the Examiner only

PART - A / PART - B							
MARKS AWARDED							
Q.No.	1	2	3	4	5	6	7
a		-8		86	2		
b		0		82			
c							
d							
e							
f							
Total		8		8	2		
Total in Figures : 18							
Total in Words : One Eight							

  
Signature of the Examiner

# INSTRUCTIONS TO THE CANDIDATES

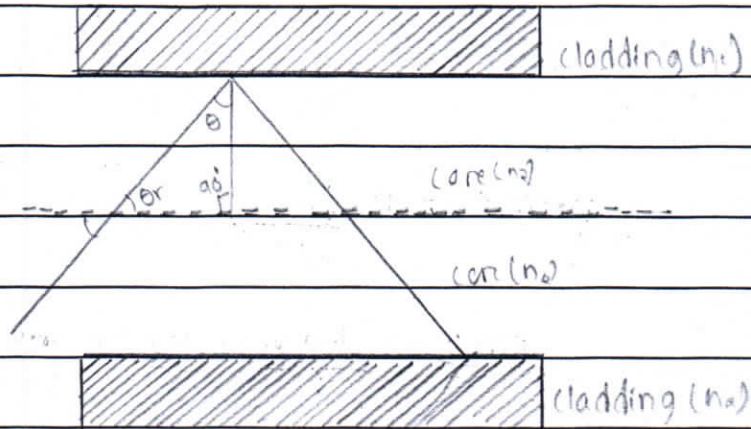
1. This booklet contains 22 pages, Candidates must ensure it before writing and in case a defective answer book is issued it must be returned to the invigilator and a new and defect free answer book must be obtained.
  2. All candidates must be present in the examination halls 15 minutes before the commencement of the examinations.
  3. Candidates are allowed to sit as per the seating plan only.
  4. Before the candidate begins to answer, hall ticket number, program, semester, subject name, branch, etc., are to be filled in. Failure to enter all or any of these particulars may disqualify the paper from valuation.
  5. Candidate is prohibited from
    - (a) writing :
      - Their hall ticket number in any part of their answer book, except in the space provided for on the title sheet of answer book,
      - Their name or any other matter or any symbol, which may lead to their identification in any part of the answer book.
      - Anything addressing the examiner in any manner whatsoever, in their answer book
      - Objectionable / obscene language in the answer book.
      - Anything other than their hall ticket number on the question paper.
    - (b) Either seeking or providing any assistance to the fellow candidates in the exam.
    - (c) Possessing a manuscript or a printed matter, in any form, in the examination hall.
    - (d) Bringing loose sheets or paper into the examination hall and detaching any paper from the answer book.
    - (e) Carrying Mobile Phone / Electronic Gadgets to Exam Hall.
- Violation of these instructions will be viewed as a case of malpractice, which is a punishable offence.**
6. Before beginning to answer any question, candidates must write the correct question number, in the margin only and should not write anything else in the margin.
  7. Answer must be written legibly on both sides of the paper. It is not necessary to start each answer on a fresh page. Candidates should not use any other color for writing, except BLACK or BLUE.
  8. All parts of the question must be answered in one place only.
  9. Rough work, if any, must be separated, from the subject matter, by a line and noted as rough work.
  10. The answer book, at the end of the examination, must be handed over to the Asst. Superintendent (Invigilator) by the candidate. This responsibility lies with the candidate only.
  11. Candidates should maintain absolute silence during the time of examination. Misbehavior, in any form, by the candidate, in the examination hall, will attract severe punishment.
  12. Candidates are permitted to leave the examination hall only after the expiry of half of the allotted time and candidates will be permitted to carry the question paper only when they are leaving the exam hall in the last half an-hour.
  13. No additional answer books will be supplied.

  
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KURNOOL-518 452 (A.P)

## START WRITING FROM HERE

Q.No.

- a). a). Acceptance angle: The maximum angle with which the light ray incident on the core such that it travels entire optical fibre is called as acceptance angle.



from the fig

$$\theta_r + \theta = 90^\circ$$

$$\theta_r = 90^\circ - \theta$$

we know that

$$n_2 \sin \theta_i = n_1 \sin \theta_r \quad ; \quad (\theta_r = 90^\circ - \theta)$$

$$n_2 \sin \theta_i = n_1 \sin(90^\circ - \theta)$$

$$n_2 \sin \theta_i = n_1 \cos \theta$$

If the incident angle  $\theta_i$  becomes the acceptance angle  $\theta_a$  then the  $\theta$  becomes critical angle  $\theta_c$ .

$$n_2 \sin \theta_a = n_1 \cos \theta_c \rightarrow (1) \quad \sin \theta_c = \frac{n_2}{n_1}$$

*G. Pullaiah*  
PRINCIPAL

Q.No.

$$\sin \theta_c = \sqrt{1 - \cos^2 \theta_c}$$

$$\text{i.e. } \cos \theta_c = \sqrt{1 - \sin^2 \theta_c}$$

$$\cos \theta_c = \sqrt{1 - \left(\frac{n_2}{n_1}\right)^2}$$

$$= \sqrt{\frac{n_1^2 - n_2^2}{n_1^2}}$$

$$= \frac{\sqrt{n_1^2 - n_2^2}}{n_1} \quad \text{sub in (1)}$$

$$n_0 \sin \theta_a = n_1 \frac{\sqrt{n_1^2 - n_2^2}}{n_1}$$

$$\sin \theta_a = \frac{\sqrt{n_1^2 - n_2^2}}{n_0} \quad n_0 = 1$$

$$\sin \theta_a = \sqrt{n_1^2 - n_2^2}$$

$$\theta_a = \sin^{-1}(\sqrt{n_1^2 - n_2^2})$$

Numerical aperture: - The total light gathering capacity is known as the numerical aperture.

or h.T

$$\Delta = \frac{n_1 - n_2}{n_1}$$

i.e.

$$\Delta \sin \theta_c = \sqrt{n_1^2 - n_2^2}$$

$$\theta_c = \sqrt{(n_1 - n_2)(n_1 + n_2)}$$

$$\Delta n_1 = n_1 - n_2$$

$$\theta_c = \sqrt{\Delta n_1 (n_1 + n_2)}$$

$$\theta_c = \sqrt{\Delta^2 n_1^2}$$

*C. Krishna*  
PRINCIPAL

Q.No.

$$NA = \sqrt{n_1^2 - n_2^2}$$

The numerical aperture value is between

0.1 to 0.5.

b). refractive index of core = 1.48

refractive index of cladding = 1.45.

0

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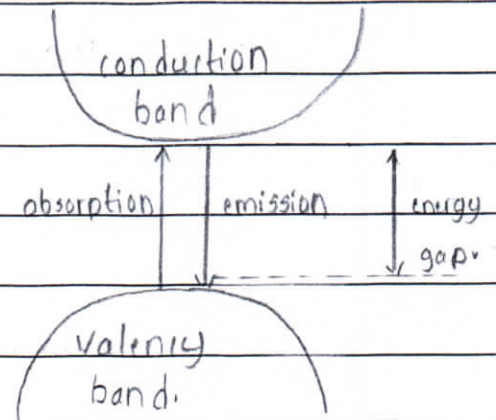
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Nandikotkur Road, VENKAYAPALLI  
KURNOOL-518 452 (A.P)

Q.No.

4). a). The band gap semiconductors are of two types.

i). Direct band gap semiconductors:-

1). In direct band gap semiconductors the maximum energy level of valency band and the minimum energy level of conduction band is placed by one on another manner.



2). The life span of electron in conduction band is less.

3). when the recombination of holes and electron <sup>occurs</sup>  $E = h\nu$

4).  $\Rightarrow$  The recombination of electron and hole occurs.

5). when the electron absorbs energy the electron will move from valency band to conduction.

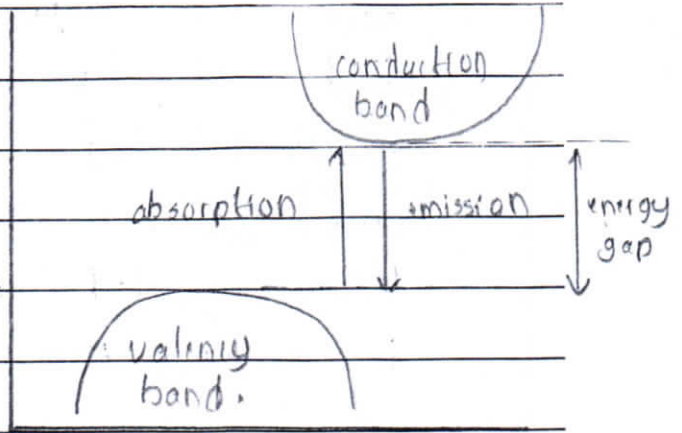
Eg Sn etc.

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Q.No.

ii) In-direct band gap semiconductors:-

1) In in-direct band gap semiconductors the maximum energy level of valency band and minimum energy level of conduction band is not placed by one on another manner.



2) The life span of electron in the conduction band is more.

3) when the recombination of electrons and holes occur  $E = h\nu + E_{ph}$ .

4) The recombination of electron and hole also occur.

5) when the electron releases energy it jumps from higher energy level to lower energy level.

Eg: Si, Ge & etc.

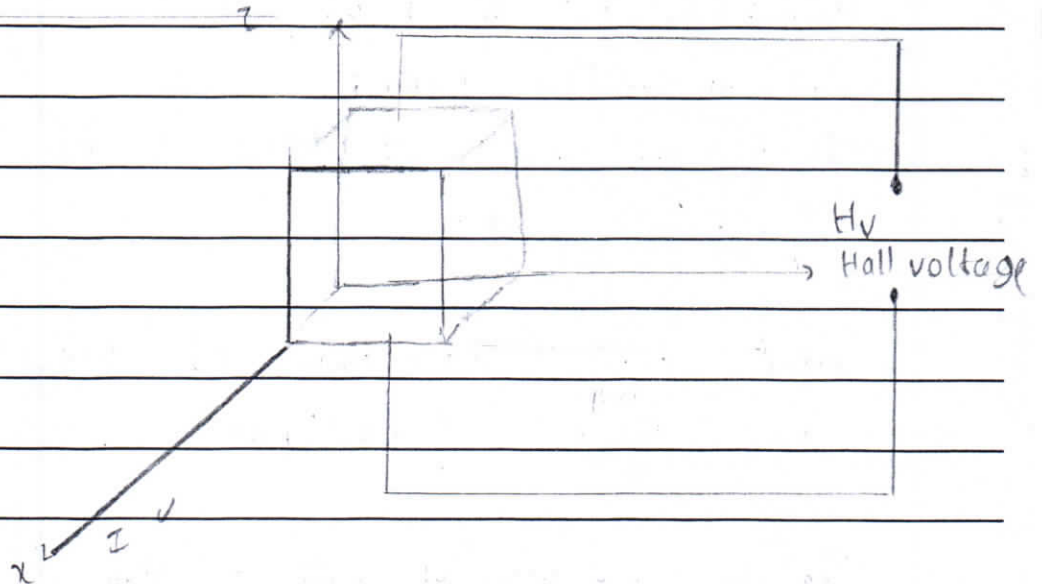
*C. Jiniya*

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Q.No.

b). Hall Effect: when the semiconductor is placed in transverse magnetic field then the current will act through the  $x$ -axis and the magnetic field will act through the  $y$ -axis and the resultant field is perpendicular to both  $x$ -axis and  $y$ -axis and the potential difference occurs this is called Hall voltage and the effect is called Hall effect.



Application's:

- 1) when the Hall voltage value is negative then the semiconductor is n-type semiconductor
- 2) when the Hall voltage value is positive then the semiconductor is p-type semiconductor.

*G. Prasad*

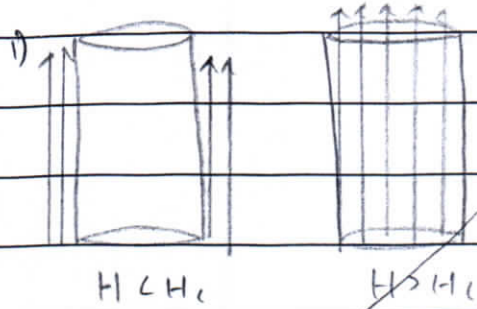
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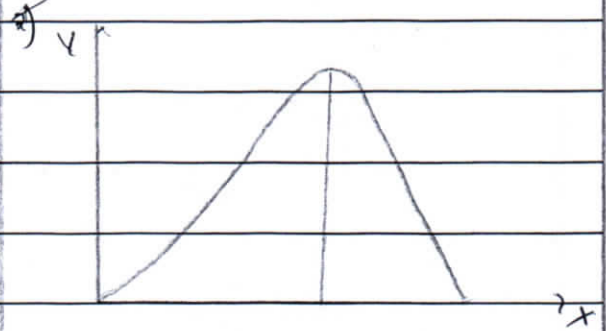
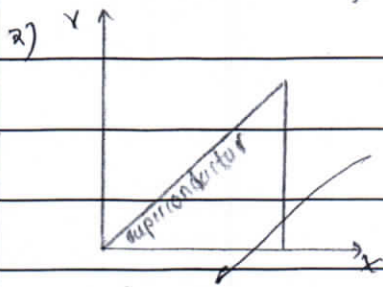
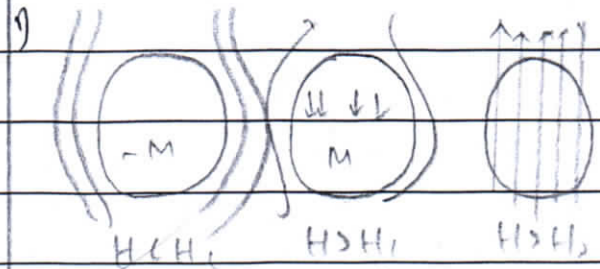
Q.No.

s) a)

Type-I



Type-II



2) 3) In Type-II there will be only  $H_c$

3) In Type II we have both  $H_1, H_2$ .

4) They are soft semiconductors

4) They are ~~smooth~~ hard semiconductor.

b) Meissner effect

*Chinix*

PRINCIPAL

# LETTER

Date: 28-08-2021

Kurnool

From

V. Bhavishya

19ATIA0424

ECE Dept.

GPCET

TO

The HOD

ECE Dept

GPCET

Respected sir,

Sub: Reevaluation of Internal marks.

I am V. Bhavishya (19ATIA0424) from II Btech ECE. I got 19 marks in EMTL subject. So, I am requesting you to reevaluate my answerscript in the above mentioned subject and please update it.

Thanking you sir

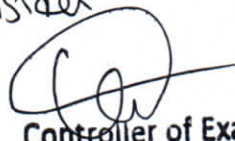
yours obediently

V. Bhavishya

19ATIA0424

To the Corresponding Staff.

Pl. Consider



Controller of Examinations  
G. Pullaiah College of Engg & Tech.  
Near Venkayapalli, Nandikotkur Road,  
KURNOOL-518 452. A.P.

Forwarded TO CE sir

Thirupath

  
PRINCIPAL

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Nandikotkur Road, VENKAYAPALLI  
KURNOOL-518 452 (A.P.)

LETTCO

Date : 1/09/2021

Kurnool

From

G. Nikhitha

19AT1A0493

ECE Dept.

GPCET

To

The HOD

ECE DEPT.

GPCET

Respected sir,

Sub: Recounting of internal Marks

I am G. Nikhitha (19AT1A0493) from II Btech  
ECE. I got 25 marks in ECA Subject.  
So, I am requesting you to recount  
and update the marks in the above  
mentioned Subject.

Thanking you sir

Yours obediently

G. Nikhitha

19AT1A0493

Forwarded to CE sir

Thrupa

To the Concerning Staff.

Please Consider the Request

Controller of Examinations  
G. Pullaiah College of Engg & Tech.  
Near Venkayapalli, Nandikotkur Road,  
KURNOOL-518 452, A.P.

  
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Nandikotkur Road, VENKAYAPALLI  
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Nandikotkur Road, Venkayapalli (V), Kurnool - 518452, Andhra Pradesh

**Sub:GPCET - Examination Branch - II B.TECH II Semester (R19) I-Mid Examinations Aug 2021 - Revaluation  
Notification Dated 20-08-2021**

The following are the results of the Recounting of the student:

S. No	Student Roll No.	Subject Name & Subject Code	Name of The Examination	Grade Before Revaluation	Grade After Revaluation
1	19AT1A0493	Electronic Cirucuit Analysis (A2411)	I-Mid Examinations	25	29

  
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**KURNOOL-518 452 (A.P)**

Controller of Examinations



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**Sub:GPCET - Examination Branch - II B.TECH II Semester (R19) I-Mid Examinations Aug 2021 - Revaluation**  
**Notification Dated 20-08-2021**

The following are the results of the Revaluation of the student:

S. No	Student Roll No.	Subject Name & Subject Code	Name of The Examination	Grade Before Revaluation	Grade After Revaluation
1	19AT1A0424	Electromagnetic Theory and Transmission Lines (A2414)	I-Mid Examinations	19	23

*U. Prasad*  
PRINCIPAL  
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KURNOOL-518 452 (A.P)

Controller of Examinations

