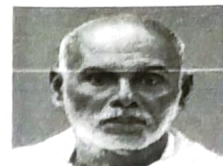


Course code	Course Name	L-T-P - Credits	Year of Introduction
**352	Comprehensive Examination	0-1-1-2	2016
Prerequisite : Nil			
Course Objectives - To assess the comprehensive knowledge gained in basic courses relevant to the branch of study - To comprehend the questions asked and answer them with confidence.			
Assessment Oral examination – To be conducted by the college (@ three students/hour) covering all the courses up to and including V semester– 50 marks Written examination - To be conducted by the Dept. on the date announced by the University– common to all students of the same branch – objective type (1 hour duration)– 50 multiple choice questions (4 choices) of 1 mark each covering the six common courses of S1&S2 and six branch specific courses listed – questions are set by the University - no negative marks – 50 marks. <i>Note:</i> Both oral and written examinations are mandatory. But separate minimum marks is not insisted for pass. If a students does not complete any of the two assessments, grade I shall be awarded and the final grade shall be given only after the completion of both the assessments. The two hours allotted for the course may be used by the students for discussion, practice and for oral assessment.			
Expected outcome. The students will be confident in discussing the fundamental aspects of any engineering problem/situation and give answers in dealing with them			



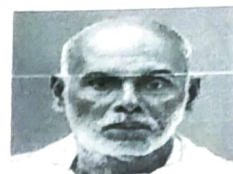
LIST OF STUDENTS ATTENDED COMPREHENSIVE WORK (2018-2019)

B-TECH IN CIVIL ENGINEERING		
SL NO:	REGISTER NO.	NAME
1.	SNC16CE001	ABIN DAMODAR
2.	SNC16CE002	ADARSH B NAIR
3.	SNC16CE003	AKHIL SURENDRAN
4.	SNC16CE004	AMRITHA P
5.	SNC16CE005	ANASWARA HAREENDRAN
6.	SNC16CE006	ANGAJA PRAKASH
7.	SNC16CE007	ANJALI V
8.	SNC16CE008	ANOJA M
9.	SNC16CE011	ASHIK K V
10.	SNC16CE012	ASHIQ AK
11.	SNC16CE013	DRISHYA K P
12.	SNC16CE015	JITHIN KUMAR K.P
13.	SNC16CE016	KEERTHANA UTHAMAN
14.	SNC16CE017	K NISHANA
15.	SNC16CE018	KRISHNA R
16.	SNC16CE019	KRISHNAVENI K
17.	SNC16CE020	MIRSHAD E M
18.	SNC16CE021	MUHAMMED SHAZ P
19.	SNC16CE022	NADA NAZAR OVINAKATH
20.	SNC16CE023	NANMA JAYARAJ E
21.	SNC16CE025	NAYANA RAGHUNATH



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22.	SNC16CE027	NIKESH K
23.	SNC16CE029	SREENATH PRAKASH C
24.	SNC16CE030	SREEPARVATHI S
25.	SNC16CE031	SUHAIRA PONNA VALAPPIL
26.	SNC16CE032	SWANAM C
27.	SNC16CE033	THEJAS PK
28.	SNC16CE035	WASEEM ABDUL WAHAB
29.	SNC15CE009	ANURANJ V K

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B-TECH IN COMPUTER SCIENCE AND ENGINEERING

1.	SNC16CS001	ABHIJITH K
2.	SNC16CS002	ABHINAV DIVAKARAN
3.	SNC16CS004	ADARSH KUMAR O.V
4.	SNC16CS005	AISWARYA AV
5.	SNC16CS007	AKSHAY T
6.	SNC16CS008	ANANTHU RETNAKARAN
7.	SNC16CS009	ANASHWARA P.V
8.	SNC16CS011	ASHIK KRISHNAN
9.	SNC16CS012	ASHNA RAGESH
10.	SNC16CS013	ASWIN SADANAND
11.	SNC16CS014	ATHULYA K P
12.	SNC16CS015	BHAVYASHREE P
13.	SNC16CS016	DARSHAN DEVASSY
14.	SNC16CS017	EBRAHIM SAINUDHEEN
15.	SNC16CS019	FAWAS MUHAMMED ASHRAF
16.	SNC16CS020	GOPIKA SURESHBABU P
17.	SNC16CS022	JABIR VALVAKKAD KHIZAKKE PURAYIL
18.	SNC16CS023	JAISHNA JAYASENAN
19.	SNC16CS024	LAVANYA C
20.	SNC16CS026	MOHAMMED ANFAZ
21.	SNC16CS027	MUBEENA K V
22.	SNC16CS028	MUHAMMAD FYROOZ RAZI C
23.	SNC16CS029	MUHSINA E P
24.	SNC16CS030	M V VISHNU
25.	SNC16CS032	P ABHIJITH MOHANAN

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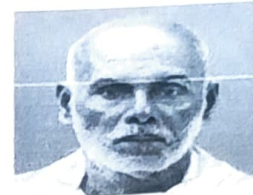
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26.	SNC16CS033	PATHMASANA K P
27.	SNC16CS034	RAHID C H
28.	SNC16CS036	ROUNA IKBAL
29.	SNC16CS037	SANJANA P
30.	SNC16CS039	SHIGHINAS K K
31.	SNC16CS040	SINJITHA BHARATHAN
32.	SNC16CS041	SREEHARI A
33.	SNC16CS042	SREELAKSHMI PV
34.	SNC16CS043	VAISHAK A P
35.	SNC16CS044	VARUN V
36.	LSNC16CS046	VIPEESH T
37.	SNC15CS004	AKSHAY M K
38.	SNC15CS030	SHAMSIYA K K

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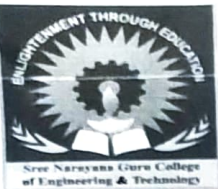
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B-TECH IN ELECTRONICS AND COMMUNICATION ENGINEERING

1.	SNC16EC001	AFEEFA K
2.	SNC16EC002	ANAGHA P
3.	SNC16EC003	ANJALI BABU K
4.	SNC16EC004	ARYASREE VIJAYARAJ D
5.	SNC16EC005	ASWATHI K T
6.	SNC16EC006	ATHENA ANIL
7.	SNC16EC007	ATHULYA KC
8.	SNC16EC008	HARSHA SHANKAR
9.	SNC16EC009	KP ANUPRIYA
10.	SNC16EC010	NAVEENA M
11.	SNC16EC011	NAVYA BHASKARAN
12.	SNC16EC012	SREE HARI
13.	SNC16EC013	SUDEEP K S
14.	SNC16EC014	VIPIN P V
15.	SNC16EC015	VISMITHA PRAMOD

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B-TECH IN ELECTRICAL AND ELECTRONICS ENGINEERING

1.	SNC16EE001	AJAY P
2.	SNC16EE002	DEVIKA SATHISH
3.	SNC16EE003	KIRAN RAJI VIJAYAN
4.	SNC16EE005	MUHAMMED NAZEEM M
5.	SNC16EE007	SHINITH K.V
6.	SNC16EE008	SIDHARTH PT
7.	SNC16EE009	VAISHNAV P
8.	SNC15EE011	SANJAY GANGAN K

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B-TECH IN MECHANICAL ENGINEERING

1.	MEC16ME003	ADWAITH J
2.	SNC15ME013	ANWAR HUSSAIN
3.	SNC15ME055	U V VISAKH
4.	SNC16ME001	ABHISHEK M
5.	SNC16ME003	ADARSH P P
6.	SNC16ME004	AKHIL M K
7.	SNC16ME005	AKHIL P
8.	SNC16ME006	AKSHAY KANDOTH
9.	SNC16ME011	AMARNATH M
10.	SNC16ME012	ANSHEER ABDUL SAMAD
11.	SNC16ME013	ARUN M
12.	SNC16ME014	ASHAKH S
13.	SNC16ME015	GOKUL RETHNAKARAN
14.	SNC16ME016	JISHNU DAS E
15.	SNC16ME017	JISHNU K P
16.	SNC16ME020	NIHAL HEMANTH
17.	SNC16ME021	PRAJIN PRABHAKARAN T
18.	SNC16ME022	PRASAD K K
19.	SNC16ME023	RAHUL KRISHNAN K P
20.	SNC16ME025	SAYED MUHAMMED FAYIZ V K
21.	SNC16ME026	SAYOOJ VIJAYAN M
22.	SNC16ME028	SHAROON M P
23.	SNC16ME029	SIDDHARTH M
24.	SNC16ME031	SREEDARSH P K
25.	SNC16ME032	SREEHARI P
26.	SNC16ME033	SREEHARSH KALLAT



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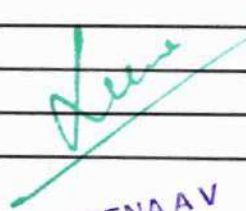
27.	SNC16ME037	VISHNUDAS P K
28.	SNC16ME039	VISWAJITH P NAMBIAR

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SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF CIVIL ENGINEERING
STUDENTS LIST 2016-2020

SL NO	REGISTER NUMBER	NAME
1	SNC16CE001	ABIN DAMODAR
2	SNC16CE002	ADARSH B NAIR
3	SNC16CE003	AKHIL SURENDRAN
4	SNC16CE004	AMRITHA P
5	SNC16CE005	ANASWARA HAREENDRAN
6	SNC16CE006	ANGAJA PRAKASH
7	SNC16CE007	ANJALI V
8	SNC16CE008	ANOJA M
9	SNC16CE009	ARJUN CHANDRAN
10	SNC16CE010	ARJUN M V
11	SNC16CE011	ASHIK K V
12	SNC16CE012	ASHIQ A K
13	SNC16CE013	DRISHYA K P
14	SNC16CE014	FATHIMA ABDUL KAREEM
15	SNC16CE015	JITHIN KUMAR KP
16	SNC16CE016	KEERTHANA UTHAMAN
17	SNC16CE017	K NISHANA
18	SNC16CE018	KRISHNA K
19	SNC16CE019	KRISHNAVENI K
20	SNC16CE020	MIRSHAD E M
21	SNC16CE021	MUHAMMED SHAZ P
22	SNC16CE022	NADA NAZAR OVINAKATH
23	SNC16CE023	NANMA JAYARAJ
24	SNC16CE024	NASHATH JALEEK
25	SNC16CE025	NAYANA RAGHUNATH
26	SNC16CE026	NEERAJA S
27	SNC16CE027	NIKESH K
28	SNC16CE028	REENA K
29	SNC16CE029	SREENATH PRAKASH C
30	SNC16CE030	SREEPARVATHI S
31	SNC16CE031	SUHARIRA PONNA VALAPPIL
32	SNC16CE032	SWANAM C
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TEST. I			
Programme & Branch :	BTECH– Civil Engineering	Semester :	06
Course Code & Name :	CE352– Comprehensive exam	Date :	

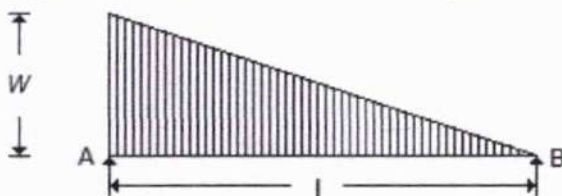
Maximum Marks : 10

Duration: 15 Minutes

1. The section modulus of a circular section about an axis through its C.G., is

- A. $\pi d^2/4$ B. $\pi d^2/16$ C. $\pi d^3/16$ D. $\pi d^3/32$ ✓

2. A simply supported beam with a gradually varying load from zero at B and w per unit length at A is shown in the below figure. The shear force at B is equal to



- A. $wl/6$ B. $wl/3$ C. wl ✓ D. $2wl/3$

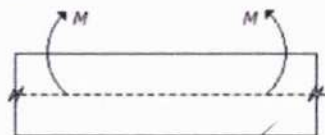
3. The compression test is carried on _____ materials.

- A. Ductile B. brittle ✓ C. malleable D. plastic

4. The modulus of elasticity for mild steel is approximately equal to

- A. 10 kN/mm^2 B. 80 kN/mm^2 C. 100 kN/mm^2 ✓ D. 210 kN/mm^2

5. A rectangular beam subjected to a bending moment is shown in the below figure. The upper layer of the beam will be in tension.



- A. True B. False ✓

6. Critical depth (h) of a channel, is

A. $h = \frac{v^2}{g}$

B. $h = \frac{v^2}{2g}$ ✓

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Programme & Branch :		BTECH– Civil Engineering	Semester :	06
Course Code & Name :		CE352– Comprehensive exam	Date :	

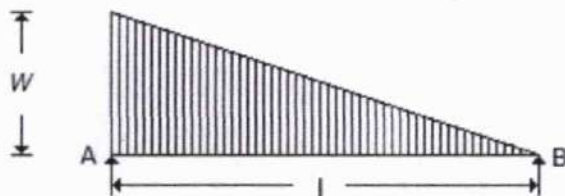
Maximum Marks :10

Duration: 15 Minutes

1. The section modulus of a circular section about an axis through its C.G., is

- A. $\pi d^2/4$ B. $\pi d^2/16$ C. $\pi d^3/16$ D. $\pi d^3/32$

2. A simply supported beam with a gradually varying load from zero at B and w per unit length at A is shown in the below figure. The shear force at B is equal to



- A. $\sqrt{wl}/6$ B. $wl/3$ C. wl D. $2wl/3$

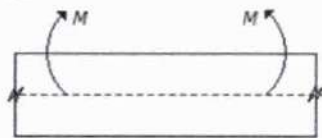
3. The compression test is carried on _____ materials.

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C. $h = \frac{v}{2g}$

D. $h = \frac{v}{g}$

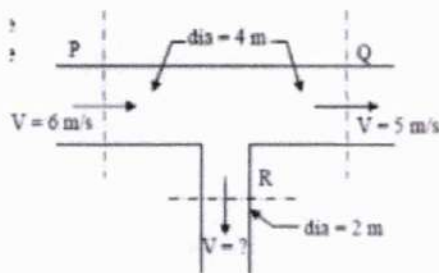
7. The side slope of Cipolletti weir is generally kept

- A. 1 to 4 B. 1 to 3 C. 1 to 2 D. 1 to 5

8. The dynamic viscosity of a fluid is 0.139 kgf-sec/. If the specific gravity of fluid is 0.95 its kinematic viscosity is

- A. 0.1463 B. 0.001435 C. 0.000146 D. 0.5

9. The circular water pipes shown in the sketch are flowing full. The velocity of flow (in m/s) in the branch pipe "R" is



- A. 3 B. 4 C. 5 D. 6

10. A 2 km long pipe of 0.2 m diameter connects two reservoirs. The difference between water levels in the reservoirs is 8 m. The DarcyWeisbach friction factor of the pipe is 0.04.

Accounting for frictional, entry and exit losses, the velocity in the pipe (in m/s) is:

- A. 0.63 B. 0.35 C. 2.52 D. 1.25

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Programme & Branch :	BTECH– Civil Engineering	Semester :	06
Course Code & Name :	CE352– Comprehensive exam	Date :	

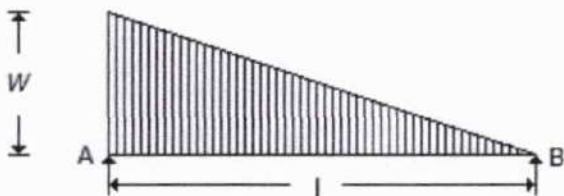
Maximum Marks :10

Duration: 15 Minutes

1. The section modulus of a circular section about an axis through its C.G. is

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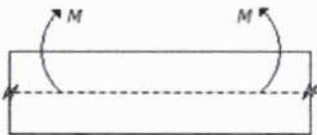
3. The compression test is carried on _____ materials.

- A. Ductile **B. brittle** C. malleable D. plastic

4. The modulus of elasticity for mild steel is approximately equal to

- A. 10 kN/mm^2 B. 80 kN/mm^2 C. 100 kN/mm^2 **D. 210 kN/mm^2**

5. A rectangular beam subjected to a bending moment is shown in the below figure. The upper layer of the beam will be in tension.



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B. $h = \frac{v^2}{2g}$

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C. $h = \frac{v}{2g}$

D. $h = \frac{v}{g}$

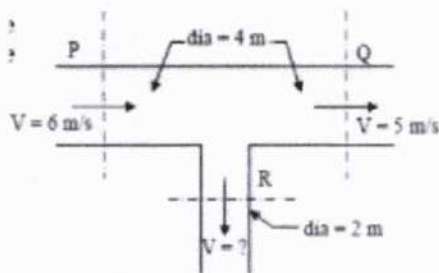
7. The side slope of Cipolletti weir is generally kept

- A. 1 to 4 B. 1 to 3 C. 1 to 2 D. 1 to 5

8. The dynamic viscosity of a fluid is 0.139 kgf-sec/. If the specific gravity of fluid is 0.95 its kinematic viscosity is

- A. 0.1463 B. 0.001435 C. 0.000146 D. 0.5

9. The circular water pipes shown in the sketch are flowing full. The velocity of flow (in m/s) in the branch pipe "R" is



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10. A 2 km long pipe of 0.2 m diameter connects two reservoirs. The difference between water levels in the reservoirs is 8 m. The DarcyWeisbach friction factor of the pipe is 0.04. Accounting for frictional, entry and exit losses, the velocity in the pipe (in m/s) is:

- A. 0.63 B. 0.35 C. 2.52 D. 1.25

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Programme & Branch :	BTECH– Civil Engineering	Semester :	06
Course Code & Name :	CE352– Comprehensive exam	Date :	

Maximum Marks : 10

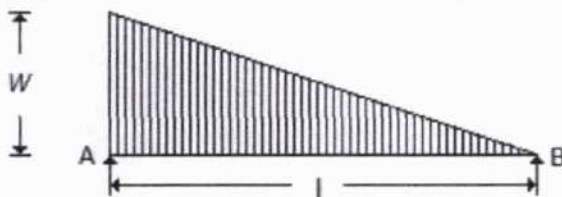
Duration: 15 Minutes

1. The section modulus of a circular section about an axis through its C.G., is

- A. $\pi d^2/4$ B. $\pi d^2/16$ C. $\pi d^3/16$ **D. $\pi d^3/32$**

6
10

2. A simply supported beam with a gradually varying load from zero at B and w per unit length at A is shown in the below figure. The shear force at B is equal to



- A. $wl/6$ B. $wl/3$ C. wl D. $2wl/3$

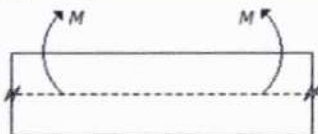
3. The compression test is carried on _____ materials.

- A. Ductile **B. brittle** C. malleable D. plastic

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5. A rectangular beam subjected to a bending moment is shown in the below figure. The upper layer of the beam will be in tension.



- A. True **B. False**

6. Critical depth (h) of a channel, is

A. $h = \frac{v^2}{g}$

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C. $h = \frac{v}{2g}$

D. $h = \frac{v}{g}$

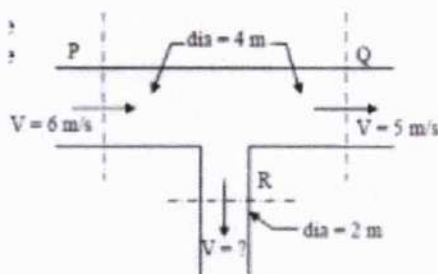
7. The side slope of Cipolletti weir is generally kept

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8. The dynamic viscosity of a fluid is 0.139 kgf-sec/. If the specific gravity of fluid is 0.95 its kinematic viscosity is

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 PATTANUR, KANNUR

	SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY (AFFILIATED TO APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY)		CE
Programme & Branch :	BTECH– Civil Engineering	Semester :	06
Course Code & Name :	CE352– Comprehensive exam	Date :	

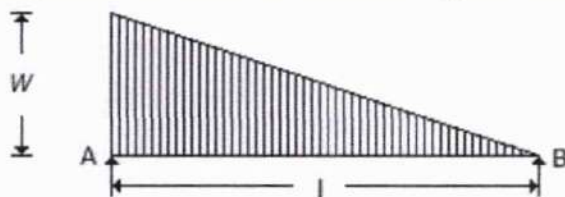
Maximum Marks :10

Duration: 15 Minutes

1. The section modulus of a circular section about an axis through its C.G., is

- A. $\pi d^2/4$ B. $\pi d^2/16$ C. $\pi d^3/16$ D. $\pi d^3/32$ ✓

2. A simply supported beam with a gradually varying load from zero at B and w per unit length at A is shown in the below figure. The shear force at B is equal to



- ✓ A. $wl/6$ B. $wl/3$ C. wl D. $2wl/3$ ✓

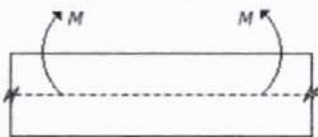
3. The compression test is carried on _____ materials.

- A. Ductile B. ~~brittle~~ C. malleable D. plastic ✓

4. The modulus of elasticity for mild steel is approximately equal to

- A. 10 kN/mm^2 B. 80 kN/mm^2 C. 100 kN/mm^2 D. 210 kN/mm^2 ✓

5. A rectangular beam subjected to a bending moment is shown in the below figure. The upper layer of the beam will be in tension.



- A. True B. ~~False~~ ✓

6. Critical depth (h) of a channel, is

A. $h = \frac{v^2}{g}$

✓ B. $h = \frac{v^2}{2g}$ ✓

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C. $h = \frac{v}{2g}$

D. $h = \frac{v}{g}$

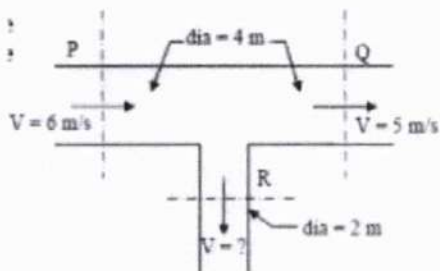
7. The side slope of Cipolletti weir is generally kept

- ☒ A. 1 to 4 B. 1 to 3 C. 1 to 2 D. 1 to 5

8. The dynamic viscosity of a fluid is 0.139 kgf-sec/. If the specific gravity of fluid is 0.95 its kinematic viscosity is

- A. 0.1463 B. 0.001435 ☒ C. 0.000146 D. 0.5

9. The circular water pipes shown in the sketch are flowing full. The velocity of flow (in m/s) in the branch pipe "R" is



- A. 3 ☒ B. 4 C. 5 D. 6

10. A 2 km long pipe of 0.2 m diameter connects two reservoirs. The difference between water levels in the reservoirs is 8 m. The DarcyWeisbach friction factor of the pipe is 0.04. Accounting for frictional, entry and exit losses, the velocity in the pipe (in m/s) is:

- ☒ A. 0.63 B. 0.35 C. 2.52 ☒ D. 1.25

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Experiments Completed

Laboratory (1): MICROCONTROLLER LAB Code: EC334

Class: IIIrd Year VIIth Semester ECE Branch

Duration	End of 4 th week	End of 8 th week	End of 12 th week	End of Semester
Details				
% of Portion covered	Two experiments completed	8 experiments completed	10 experiments completed	All experiments completed
Signature of Staff	<u>Leena</u> 23/2/19	<u>Leena</u> 23/3/19	<u>Leena</u> 27/4/19	<u>Leena</u> 14/5/19
Signature of HOD	<u>Leena</u> 23/2/19	<u>Leena</u> 23/3/19	<u>Leena</u> 27/4/19	<u>Leena</u> 14/5/19
Signature of Auditor				

Experiments Completed

Laboratory (2): COMPREHENSIVE EXAMINATION Code: EC352

Class: IIIrd Year VI Semester ECE Branch

Duration	End of 4 th week	End of 8 th week	End of 12 th week	End of Semester
Details				
% of Portion covered	One viva session completed	Two mock tests completed	One viva session completed	External viva exam completed
Signature of Staff	<u>Leena</u> 22/2/19	<u>Leena</u> 23/3/19	<u>Leena</u> 27/4/19	<u>Leena</u> 14/5/19
Signature of HOD	<u>Leena</u> 22/2/19	<u>Leena</u> 23/3/19	<u>Leena</u> 27/4/19	<u>Leena</u> 14/5/19
Signature of Auditor				

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Lab Attendance and Assessment

Laboratory (2): Comprehensive Exam Code: EC352 Class: IIIrd Year

Sl.No	Reg. No.	Name	Month	2	2	2	2	1	3	3	3	4	4
			Date	4	5	8	22	31	15	22	29	12	12
			Session	6	6	5	5	5	5	5	5	5	6
1.	EC001	Afeefa K.	(F)	/	/	/	/	/	/	/	/	/	/
2.	EC002	Anagha P.	(F)	/	/	/	/	/	/	/	/	/	/
3.	EC003	Aryali Babu K.	(F)	/	/	/	/	/	/	/	/	/	/
4.	EC004	Aryasree Vijayaraj D.	(F)	/	/	/	/	/	/	/	/	/	/
5.	EC005	Arunathi K.T.	(F)	/	/	/	/	/	/	/	/	/	/
6.	EC006	Athina Anil	(F)	/	/	/	/	/	/	/	/	/	/
7.	EC007	Athulya K.C.	(F)	/	/	/	/	/	/	/	/	/	/
8.	EC008	Haksha Shankar	(F)	/	/	/	/	/	/	/	/	/	/
9.	EC009	K.P. Anupriya	(F)	/	/	/	/	/	/	/	/	/	/
10.	EC010	Naveena M.	(F)	/	/	/	/	/	/	/	/	/	/
11.	EC011	Naveya Bhaskaran	(F)	/	/	/	A	/	/	/	/	/	/
12.	EC012	Saei Hani		/	/	/	/	/	/	/	/	/	/
13.	EC013	Sudeep K.S.		/	/	/	A	/	/	/	A	/	/
14.	EC014	Vijin P.V.		/	/	/	/	/	/	/	/	/	/
15.	EC015	Vismitha Pramod	(F)	/	/	/	/	/	/	/	/	/	/
16.				h	h	h	h	h	h	h	h	h	h
17.		Total number of students present		0	0	0	2	0	0	0	1	1	1
18.		Total number of students present		15	15	15	13	15	15	15	14	14	14
19.		Total strength		15	15	15	15	15	15	15	15	15	15
20.													
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VIIth Semester ECE Branch

Sl.No	← APRIL →	← MAY →
	16 16 16 26 26 29 3 3 7 8	1 4 6 5 6 5 5 6 3 3
1.	A / / / / / / / / /	/ / / / / / / / /
2.	/ / / / / / / / /	/ / / / / / / / /
3.	/ / / / / / / / /	/ / / / / / / / /
4.	/ / / / / / / / /	/ / / / / / / / /
5.	/ / / / / / / / /	/ / / / / / / / /
6.	/ / / / / / / / /	/ / / / / / / / /
7.	/ / / / / / / / /	/ / / / / / / / /
8.	/ AA / / / / / / /	/ / / / / / / / /
9.	/ / / / / / / / /	/ / / / / / / / A
10.	/ / / / / / / / /	/ / / / / / / / /
11.	/ / / / / / / / /	/ / / / / / / / /
12.	A / / / / / / / / /	/ / / / / / / / /
13.	/ AA / / / / / / /	/ / / / / / / / /
14.	/ / / / / / / / /	/ / / / / / / / /
15.	/ / / / / / / / /	/ / / / / / / / A
16.	h h h h h h h h h	h h h h h h h h h
17.	2 2 2 0 0 0 0 0 2	13 13 13 15 15 15 15 15 13
18.	15 15 15 15 15 15 15 15	15 15 15 15 15 15 15 15
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COLLEGE OF ENGINEERING & TECHNOLOGY
PAYYANUR**

(PROMOTED BY SREE BHAKTHI SAMVARDHINI YOGAM, KANNUR)
CHALAKODE P.O., PAYYANUR, KANNUR-670307, KERALA



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

STUDENT LIST

(2016-2020) BATCH

Sl. No.	University Reg. No.	Name
1	SNC16EC001	Afeefa K
2	SNC16EC002	Anagha P
3	SNC16EC003	Anjali Babu K
4	SNC16EC004	Aryasree Vijayraj D
5	SNC16EC005	Aswathi K T
6	SNC16EC006	Athena Anil
7	SNC16EC007	Athulya K C
8	SNC16EC008	Harsha Sankar
9	SNC16EC009	K P Anupriya
10	SNC16EC010	Naveena M
11	SNC16EC011	Navya Bhaskaran
12	SNC16EC012	Sreehari
13	SNC16EC013	Sudeep K S
14	SNC16EC014	Vipin P V
15	SNC16EC015	Vismitha Pramod

[Signature]
HoD
ECE

[Signature]
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SNGCMS

SNGCET-DATACENTRE



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(Affiliated to KTU, Recognised by AICTE)

Cumulative attendance of 2016-2020 EC S6 till 22/5/2019-11:04:57 AM

Subject : Comprehensive Exam (COMPEXAM)

Register No.	Student Name	Hour Present	Hour Absent	Percentage
SNC16EC001	AFEEFA K	27	3	90
SNC16EC002	ANAGHA P	27	3	90
SNC16EC003	ANJALI BABU K	27	3	90
SNC16EC004	ARYASREE VIJAYARAJ.D	27	3	90
SNC16EC005	ASWATHI K T	27	3	90
SNC16EC006	ATHENA ANIL	27	3	90
SNC16EC007	ATHULYA KC	27	3	90
SNC16EC008	HARSHA SHANKAR	27	3	90
SNC16EC009	KP ANUPRIYA	26	4	86.67
SNC16EC010	NAVEENA.M	27	3	90
SNC16EC011	NAVYA BHASKARAN	25	5	83.33
SNC16EC012	SREE HARI	25	5	83.33
SNC16EC013	SUDEEP K S	23	7	76.67
SNC16EC014	VIPIN P V	27	3	90
SNC16EC015	VISMITHA PRAMOD	26	4	86.67

[Signature]
22/5/19

[Signature]
22/5/19

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Cumulative attendance of 2016-2020 EC S6 till 28/2/2019-11:17:03 AM

Subject : Comprehensive Exam (COMP.EXAM)

Register No.	Student Name	Hour Present	Hour Absent	Percentage
SNC16EC001	AFEEFA K	8	0	100
SNC16EC002	ANAGHA P	8	0	100
SNC16EC003	ANJALI BABU K	8	0	100
SNC16EC004	ARYASREE VIJAYARAJ.D	8	0	100
SNC16EC005	ASWATHI K T	8	0	100
SNC16EC006	ATHENA ANIL	8	0	100
SNC16EC007	ATHULYA KC	8	0	100
SNC16EC008	HARSHA SHANKAR	8	0	100
SNC16EC009	KP ANUPRIYA	8	0	100
SNC16EC010	NAVEENA.M	8	0	100
SNC16EC011	NAVYA BHASKARAN	6	2	75
SNC16EC012	SREE HARI	8	0	100
SNC16EC013	SUDEEP K S	6	2	75
SNC16EC014	VIPIN P V	8	0	100
SNC16EC015	VISMITHA PRAMOD	8	0	100

28/2/19

28/2/19
(HOD (ECE))

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Cumulative attendance of 2016-2020 EC S6 till 10/4/2019-10:42:40 AM
Subject : Comprehensive Exam (COMP.EXAM)

Register No.	Student Name	Hour Present	Hour Absent	Percentage
SNC16EC001	AFEEFA K	14	0	100
SNC16EC002	ANAGHA P	14	0	100
SNC16EC003	ANJALI BABU K	14	0	100
SNC16EC004	ARYASREE VIJAYARAJ.D	14	0	100
SNC16EC005	ASWATHI K T	14	0	100
SNC16EC006	ATHENA ANIL	14	0	100
SNC16EC007	ATHULYA KC	14	0	100
SNC16EC008	HARSHA SHANKAR	14	0	100
SNC16EC009	KP ANUPRIYA	14	0	100
SNC16EC010	NAVEENA M	14	0	100
SNC16EC011	NAVYA BHASKARAN	12	2	85.71
SNC16EC012	SREE HARI	14	0	100
SNC16EC013	SUDEEP K S	10	4	71.43
SNC16EC014	VIPIN P V	14	0	100
SNC16EC015	VISMITHA PRAMOD	14	0	100

10/4/19

10/4/19

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Student batch list for the class 2016 2020 BTECH EC S6

S.No.	Register No.	Student_Name	Roll No.
1	SNC16EC001	AFEEFA K	1
2	SNC16EC002	ANAGHA P	2
3	SNC16EC003	ANJALI BABU K	3
4	SNC16EC004	ARYASREE VIJAYARAJ.D	4
5	SNC16EC005	ASWATHI K T	5
6	SNC16EC006	ATHENA ANIL	6
7	SNC16EC007	ATHULYA KC	7
8	SNC16EC008	HARSHA SHANKAR	8
9	SNC16EC009	KP ANUPRIYA	9
10	SNC16EC010	NAVEENA.M	10
11	SNC16EC011	NAVYA BHASKARAN	11
12	SNC16EC012	SREE HARI	12
13	SNC16EC013	SUDEEP K S	13
14	SNC16EC014	VIPIN P V	14
15	SNC16EC015	VISMITHA PRAMOD	15

Leena
28/11/19

[Signature]
28/11/19

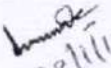
(HOD (ECE))

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	SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY PAYYANUR		ECE
COMPREHENSIVE EXAMINATION VIVA QUESTIONS			
Programme & Branch	BTech – Electronics and Communication Engineering	Semester	06
Course Code & Name	EC 352 – Comprehensive Examination	Date	28/01/19

1. What are AM demodulation techniques?
2. What is the maximum transmission efficiency of an AM signal?
3. What are requirements of synchronous detection of AM signal ?
4. What are limitations of Frequency discrimination method ?
5. What is Automatic gain control ?
6. What are examples of low level modulation ?
7. What are advantages of using an RF amplifier ?
8. What is the standard value for Intermediate frequency (IF) in AM receivers ?
9. What are the functions of radio receiver ?
10. What is frequency deviation in FM ?
11. What is the modulation index of FM ?
12. What is associated with random motion due to thermal agitation in the movement of holes and electrons in a silicon crystal?
13. What is another name for a pn crystal ?
14. What is the barrier potential of germanium at 25°C ?
15. What is the other name of Esaki diode?
16. What is Crossover distortion?
17. What is the main advantage of FM over AM?
18. What is Race around condition?
19. What is difference between combinational and sequential circuits?
20. How many flipflops are required to implement Mod 7 counter?

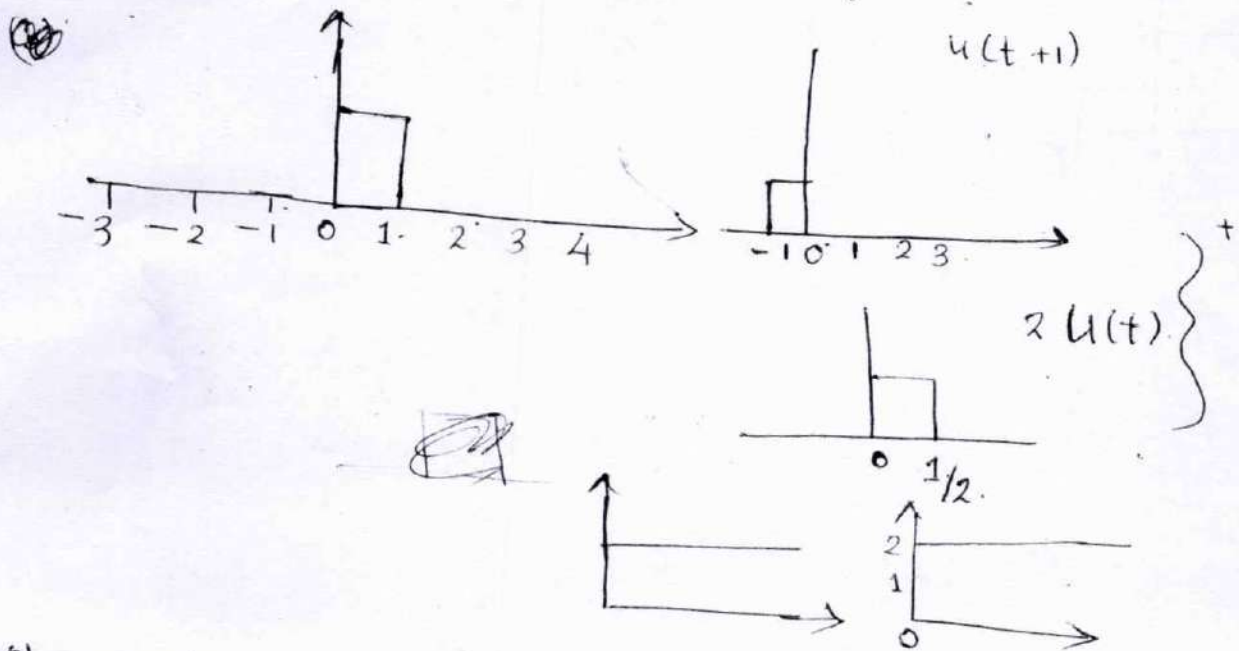

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 28/1/19

(1) Sketch the sll

$$x(t) = u(t+1) + 2u(t)$$

(2) find even and odd component of $x(t) = 1 + t + t^2$



(2) even sll

$$x(t) = x(-t)$$

$$x(t) = 1 + t + t^2$$

$$= 1 + \left(\frac{t+2}{2}\right) + \left(\frac{t+2}{2}\right)^2$$

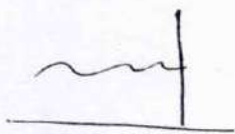
odd sll

$$-x(t) = x(-t)$$

$$= 1 + \frac{t+2}{2} +$$

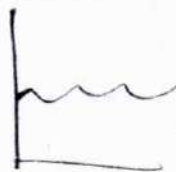
(3) Causal & Antcausal sll

Anticausal sll



sll defined only for
+ve values

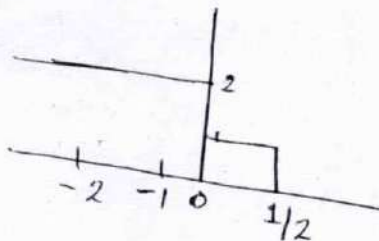
Causal



sll defined only
for +ve value

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$u(t+1)$



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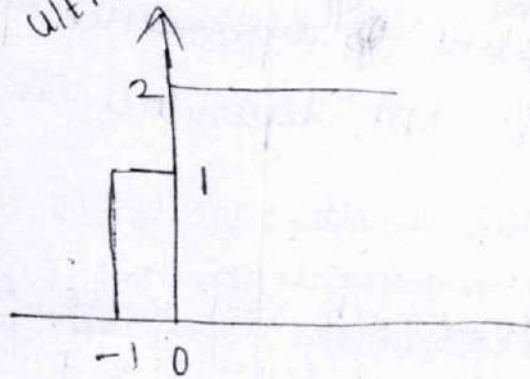
Leena

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1) Sketch the signal $x(t) = u(t+1) + 2 \cdot u(t)$ Roll no. 4

2) Find even & odd components of $x(t) = 1 + t + t^2$

1) $u(t+1) + 2u(t)$



2) $x(t) = 1 + t + t^2$

$$x(-t) = 1 - t + t^2$$

$$-x(t) = 1 - t - t^2$$

$$\text{Even component} = \frac{x(t) + x(-t)}{2}$$

$$= \frac{1 + \cancel{t} + t^2 + 1 - \cancel{t} + t^2}{2}$$

$$= \frac{2 + 2t^2}{2} = \underline{\underline{1 + t^2}}$$

$$\text{Odd component} = \frac{x(-t) - x(t)}{2}$$

$$= \frac{1 - t + \cancel{t^2} + 1 - t - \cancel{t^2}}{2}$$

$$= \frac{2 - 2t}{2} = \underline{\underline{1 - t}}$$

3) ~~to~~ define causal & anticausal s/m.

4) Invertible & Non invertible

3) causal s/m: A system which said to be causal s/m which ~~depends~~ present ~~o/p~~ dependence upon the present and past ~~o/p~~ ^{i/p}. Not dependence ~~on~~ on future values of i/p

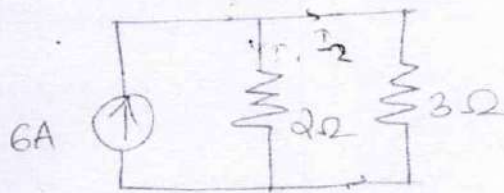
Anticausal s/m: A system which said to be Anti causal s/m ~~which~~ ~~depends~~ dependence upon the present, past the present o/p dependence upon the present ~~distinct o/p signal from distinct i/p s/l.~~

~~i/p can be recovered from its o/p~~
past and future values of i/p.

4) Invertible s/m: A s/m a said to be invertible s/m when the i/p can be recovered from its o/p.
A s/m is said to be noninvertible & which ~~do not~~ can't recovered from its y/p

①

Vyran . P. V
Roll no. 134



$\frac{8}{10}$ 22/2/19

Find current in 2Ω & 3Ω resistor.

Ans)

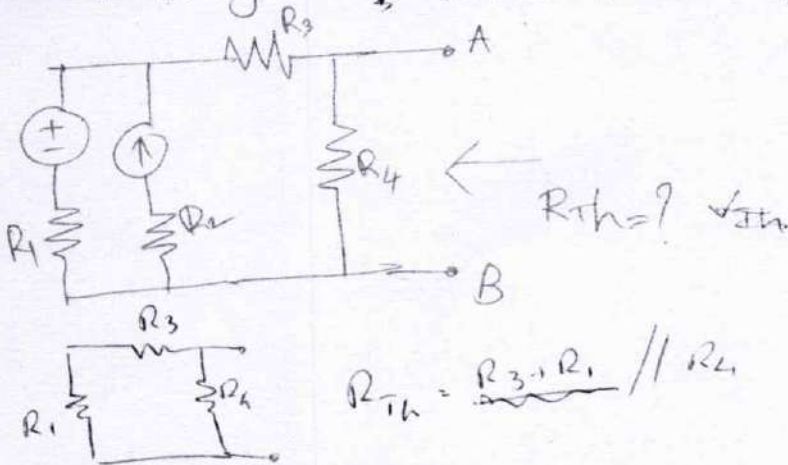
$$I_1 = \frac{I \times 3}{5} = \frac{18}{5}$$

$$I_2 = \frac{I \times 2}{5} = \frac{12}{5}$$

12

2) Thevenin's Theorem:

It states that any linear two terminal network consist of more than one current source, voltage source and impedance then the circuit can be converted into a single equivalent circuit consist of one equivalent voltage in series with impedance.



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FIRST MOCK TEST
COMPREHENSIVE EXAMINATION

NAME: Arjasslee Vijayaraj D ROLL NO. 04

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

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15/3/19

FIRST MOCK TEST
COMPREHENSIVE EXAMINATION

NAME: VISMITHA PRAMOD ROLL NO. 15

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

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FIRST MODEL TEST
COMPREHENSIVE EXAMINATION

NAME: Aswathi K.T ROLL NO. 5

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

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SECOND MOCK TEST
COMPREHENSIVE EXAMINATION

NAME:		Vipin P V		ROLL NO. 3		14
1	a ✓	21	A ✗	41	b ✗	
2	b ✗	22	a ✓	42	b ✓	
3	d ✓	23	b ✗	43	c ✓	
4	a ✓	24	c ✓	44	c ✗	
5	a ✓	25	d ✗	45	a ✓	
6	c ✓	26	d ✗	46	a ✓	
7	a ✓	27	B ✗	47	d ✗	
8	b ✓	28	a ✗	48	c ✗	
9	a ✓	29	b b ✓	49	a ✓	
10	a ✓	30	d ✗	50	a ✓	
11	c ✓	31	d ✓			
12	b ✓	32	b ✗			
13	a ✓	33	a ✓			
14	d ✓	34	b ✓			
15	a ✓	35	c ✓			
16	b ✓	36	A ✗			
17	c ✓	37	c ✗			
18	A ✗	38	c ✓			
19	D ✗	39	c ✓			
20	D ✗	40	b ✗			

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SECOND MOCK TEST
COMPREHENSIVE EXAMINATION

NAME:		ANJALI BABU		ROLL NO.		3
1	a ✓	21	D ✗	41	a ✗	
2	b ✗	22	b a ✓	42	a ✗	
3	a ✗	23	b ✗	43	d ✗	
4	d ✗	24	A ✗	44	b ✓	
5	a ✓	25	c ✗	45	d ✗	
6	c ✓	26	c ✗	46	a ✓	
7	a ✓	27	c ✓	47	a ✗	
8	b ✓	28	a ✗	48	c ✗	
9	a ✓	29	b ✓	49	a ✓	
10	a ✓	30	b ✓	50	b ✗	
11	c ✓	31	c ✗			
12	a ✗	32	b ✗			
13	a ✓	33	A ✓			
14	d ✓	34	c ✗			
15	b a ✓	35	d ✗			
16	d ✗	36	D ✓			
17	D ✗	37	a ✗			
18	c ✓	38	b ✗			
19	A ✗	39	b ✗			
20	B ✗	40	b ✗			

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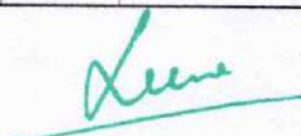
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SECOND MOCK TEST
COMPREHENSIVE EXAMINATION

NAME:		ATHULYA KL		ROLL NO.		07
1	a ✓	21	B ✓	41	c ✓	
2	c ✗	22	d ✗	42	b ✓	
3	d ✓	23	d ✓	43	d ✗	
4	d ✗	24	c ✓	44	b ✓	
5	d ✗	25	C ✗	45	c ✗	
6	b ✗	26	C ✗	46	c ✗	
7	a ✓	27	D ✗	47	a ✗	
8	b ✓	28	B ✗	48	c ✗	
9	b ✗	29	c ✗	49	a ✓	
10	a ✓	30	a ✗	50	b ✗	
11	c ✓	31	a ✗			
12	a ✗	32	c ✗			
13	b ✗	33	b ✗			
14	d ✓	34	d ✗			
15	C ✗	35	a ✗			
16	d ✗	36	b ✗			
17	B ✗	37	c ✗			
18	B ✗	38	c ✓			
19	A ✗	39	b ✗			
20	D ✗	40	a ✗			

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COMPREHENSIVE EXAMINATION

NAME:		ROLL NO.	
Anagha P		2	
1	b ✓	21	d ✓
2	d X	22	b X
3	b X	23	a X
4	c X	24	b X
5	c X	25	c ✓
6	c ✓	26	d) X
7	b ✓	27	a X
8	d X	28	c ✓
9	a X	29	d X
10	b X	30	a X
11	a ✓	31	d X
12	b ✓	32	X
13	c c ✓	33	d X
14	d X	34	X
15	a X	35	a ✓
16	d ✓	36	X
17	b X	37	d X
18	a ✓	38	c X
19	c ✓	39	b ✓
20	d X	40	c X
41	b		X
42			X
43	b		✓
44	a		✓
45	d		✓
46	ab d		✓
47	a		X
48			X
49	a		✓
50			X

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COMPREHENSIVE EXAMINATION

NAME: AFEEFA · K ROLL NO. 01

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

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NAME:

Sreehari

ROLL NO.

12

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

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COMPREHENSIVE EXAMINATION

NAME: KP ANDPRIYA ROLL NO. 09

1	(b) ✓	21	(d) ✓	41	(a)	✓
2	(d) X	22	(c) ✓	42	(b)	✓
3	(b) X	23	(c) ✓	43	(b)	✓
4	(c) X	24	(d) X	44	(a)	✓
5	(a) ✓	25	(c) ✓	45	(d)	✓
6	(b) X	26	(d) X	46	(d)	✓
7	(d) X	27	(c) X	47	(a)	X
8	(c) X	28	(a) X	48	(d)	X
9	(b) X	29	(d) X	49	(a)	✓
10	(c) X	30	(a) X	50	(b)	X
11	(a) ✓	31	(a) X			
12	(b) ✓	32	(c) X			
13	(c) ✓	33	(a) ✓			
14	(a) X	34	(b) X			
15	(b) ✓	35	(a) ✓			
16	(d) ✓	36	(d) X			
17	(d) ✓	37	(c) X			
18	(b) X	38	(c) X			
19	(b) X	39	(a) X			
20	(b) X	40	(c) X			

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COMPREHENSIVE EXAMINATION

NAME: Athulya KC ROLL NO. 07

1	a X	21	c X	41	b	X
2	a ✓	22	a X	42	b	✓
3	c ✓	23	c ✓	43	(b) watts	✓
4	d X	24	b X	44	a	✓
5	d X	25	b X	45	b	X
6	b X	26	d X	46	d	✓
7	b ✓	27	c X	47	b	✓
8	c X	28	c ✓	48	d	X
9	c X	29	a X	49	a	✓
10	d X	30	b X	50	a	✓
11	a ✓	31	b ✓			
12	d X	32	b ✓			
13	b X	33	d X			
14	d X	34	X			
15	b ✓	35	b X			
16	b X	36	a X			
17	d ✓	37	b ✓			
18	b X	38	c X			
19	b X	39	a X			
20	a ✓	40	c X			

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COMPREHENSIVE EXAMINATION

NAME: Naveena M ROLL NO. 10

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

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COMPREHENSIVE EXAMINATION

NAME: ANJALI BABU ROLL NO. 3

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

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COMPREHENSIVE EXAMINATION

NAME: Sudeep k.s. ROLL NO. 13

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

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COMPREHENSIVE EXAM SECOND MOCK TEST ANSWER KEY

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

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COMPREHENSIVE EXAMINATION

NAME: Harsha S. ROLL NO. 8

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

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COMPREHENSIVE EXAMINATION

NAME:		ATHENA ANIL		ROLL NO.		b		
1	b	✓	21	b	X	41	a	✓
2	d	X	22	c	✓	42	a	X
3	d	X	23	a	X	43	b	✓
4	b	X	24	b	X	44	a	✓
5	d	X	25	a	X	45	d	✓
6	b	X	26	a	X	46	d	✓
7	b	✓	27	c	X	47	d	X
8	(c)	X	28	a	X	48	b	X
9	a	X	29	b	✓	49	a	✓
10	c	X	30	d	X	50	c	X
11	a	✓	31	c	X			
12	c	X	32	d	X			
13	d	X	33	b	X			
14	a	X	34	a	X			
15	b	✓	35	a	✓			
16	c	X	36	a	X			
17	b	X	37	b	✓			
18	d	X	38	a	X			
19	b	X	39	d	X			
20	d	X	40	a	X			

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COMPREHENSIVE EXAMINATION

NAME: VISMITHA PRAMOD ROLL NO. 15

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

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COMPREHENSIVE EXAMINATION

NAME: Nauya Bhaskaran ROLL NO. 11.

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

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NAME:		Aryasree Vijayaraj		ROLL NO.		4	
1	A a ✓	21	B ✓	41	b	x	
2	d ✓	22	c x	42	b	✓	
3	b x	23	d ✓	43	c	✓	
4	b c x	24	c ✓	44	b	✓	
5	a ✓	25	c x	45	c	x	
6	c ✓	26	D x	46	a	✓	
7	a ✓	27	A x	47	b	x	
8	b ✓	28	a x	48	c	x	
9	a ✓	29	b ✓	49	a	✓	
10	a ✓	30	a x	50	a	a ✓	
11	c ✓	31	d ✓				
12	b ✓	32	c x				
13	a ✓	33	d x				
14	d ✓	34	b ✓				
15	a ✓	35	c ✓				
16	d x	36	D ✓				
17	c ✓	37	a x				
18	B x	38	a x				
19	a A x	39	b x				
20	B x	40	a x				


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COMPREHENSIVE EXAMINATION

NAME:		ATHENA ANIL		ROLL NO.		6	
1	a ✓	21	b ✓	41	b x		
2	d ✓	22	c x	42	d x		
3	c x	23	c x	43	a x		
4	b x	24	e ✓	44	b ✓		
5	a ✓	25	d x	45	b x		
6	c ✓	26	b x	46	a ✓		
7	a ✓	27	c ✓	47	a x		
8	b ✓	28	d x	48	c x		
9	b a ✓	29	b ✓	49	a ✓		
10	a ✓	30	b ✓	50	b x		
11	c ✓	31	d ✓				
12	b ✓	32	c x				
13	d x	33	b x				
14	d ✓	34	a x				
15	a ✓	35	e ✓				
16	b ✓	36	d ✓				
17	d x	37	b x				
18	e ✓	38	(c) ✓				
19	b ✓	39	d x				
20	b x	40	b x				


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COMPREHENSIVE EXAMINATION

NAME:		Navazena m		ROLL NO.		10
1	a. ✓	21	A. X	41	c. ✓	
2	b. X	22	d. X	42	a. X	
3	a. c. X	23	b. X	43	c. ✓	
4	b. X	24	c. ✓	44	b. ✓	
5	a. ✓	25	c. X	45	a. ✓	
6	c. ✓	26	d. X	46	a. ✓	
7	a. ✓	27	A. X	47	c. ✓	
8	b. ✓	28	b. X	48	b. ✓	
9	a. ✓	29	b. ✓	49	a. ✓	
10	a. ✓	30	d. X	50	b. X	
11	c. ✓	31	d. ✓			
12	a. X	32	a. ✓			
13	b. X	33	c. X			
14	d. ✓	34	a. X			
15	a. ✓	35	c. ✓			
16	a. X	36	B. X			
17	c. ✓	37	a. X			
18	a. X	38	c. ✓			
19	B. ✓	39	a. ✓			
20	D. X	40	a. X			

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NAME:		Aswathi K.T		ROLL NO.		5	
1	a ✓	21	B ✓	41	a ✗		
2	b ✗	22	c ✗	42	d ✗		
3	c ✗	23	c ✗	43	c ✓		
4	a ✓	24	B ✗	44	b ✓		
5	a ✓	25	c ✗	45	c ✗		
6	c ✓	26	B ✗	46	a ✓		
7	a ✓	27	A ✗	47	d ✗		
8	b ✓	28	a ✗	48	c ✗		
9	a ✓	29	b ✓	49	a ✓		
10	a ✓	30	b ✓	50	d ✗		
11	b ✗	31	d ✓				
12	a ✗	32	a ✓				
13	d ✗	33	a ✓				
14	d ✓	34	c ✗				
15	c ✗	35	c ✓				
16	c ✗	36	d ✓				
17	c ✓	37	c ✗				
18	D ✗	38	a ✗				
19	A ✗	39	a ✓				
20	B ✗	40	b ✗				

$$\frac{23}{5}$$

✓

$$AB \rightarrow \bar{P} \bar{E}$$
$$C \subset C \subset \overline{A+B}$$

A	B	y	C	D	E
C	O	e	I	H	G

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COMPREHENSIVE EXAMINATION

NAME:

A F E E F A K

ROLL NO.

01

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

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COMPREHENSIVE EXAMINATION

NAME:

Vipin P V

ROLL NO.

14

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

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COMPREHENSIVE EXAMINATION

NAME:		ROLL NO.		II	
Navya. B					
1	b ✓	21	d ✓	41	a ✓
2	a ✓	22	c ✓	42	a X
3	a X	23	c ✓	43	b ✓
4	d X	24	b X	44	12 a ✓
5	a ✓	25	c ✓	45	d a X
6	c ✓	26	b X	46	d ✓
7	d X	27	d ✓	47	c X
8	a X	28	a X	48	a ✓
9	b X	29	b ✓	49	b X
10	d X	30	b X	50	a ✓
11	a ✓	31	a X		
12	c X	32	d X		
13	c ✓	33	a ✓		
14	b ✓	34	d X		
15	a X	35	b X		
16	b X	36	c X		
17	d ✓	37	b ✓		
18	a ✓	38	a X		
19	a X	39	a X		
20	b X	40	b X		

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COMPREHENSIVE EXAMINATION

NAME:		KP ANUPRIYA		ROLL NO.		09
1	(a) ✓	21	(A) X	41	(c)	✓
2	(d) ✓	22	(b) X	42	(c)	X
3	(d) ✓	23	(a) X	43	(a)	X
4	(a) ✓	24	(c) ✓	44	(b)	✓
5	(e) X	25	(b) X	45	(c)	X
6	(d) X	26	(D) X	46	(a)	✓
7	(a) ✓	27	(A) X	47	(c)	✓
8	(b) ✓	28	(a) X	48	(c)	X
9	(a) ✓	29	(b) ✓	49	(a)	✓
10	(d) X	30	(c) X	50	(a)	✓
11	(c) ✓	31	(a) X			
12	(d) X	32	(b) X			
13	(b) X	33	(c) X			
14	(d) ✓	34	(b) ✓			
15	(a) ✓	35	(c) ✓			
16	(b) ✓	36	(A) X			
17	(D) X	37	(b) X			
18	(c) ✓	38	(d) X			
19	(A) X	39	(c) ✓			
20	(b) X	40	(b) X			

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COMPREHENSIVE EXAMINATION

NAME:		Anagha P		ROLL NO.		2
1	a ✓	21	D ✗	41	C ✓	
2	b ✗	22	C ✗	42	b c ✗	
3	d ✓	23	C ✗	43	d ✗	
4	C ✗	24	B ✗	44	C ✗	
5	a ✓	25	A ✓	45	b ✗	
6	C ✓	26	C ✗	46	C ✗	
7	a ✓	27	A ✗	47	a ✗	
8	b ✓	28	b ✗	48	C ✗	
9	a ✓	29	C ✗	49	b a ✓	
10	a ✓	30	C ✗	50	b ✗	
11	C ✓	31	b ✗			
12	d ✗	32	C ✗			
13	e ✗	33	a ✓			
14	a ✗	34	b ✓			
15	a ✓	35	d ✗			
16	b ✓	36	D ✓			
17	D ✗	37	C ✗			
18	A ✗	38	C ✓			
19	C ✗	39	b ✗			
20	B ✗	40	a ✗			

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COMPREHENSIVE EXAMINATION

NAME:		Sreehasi		ROLL NO.		12
1	a ✓	21	C X	41	C ✓	
2	X	22	A ✓	42	A X	
3	d ✓	23	B X	43	C ✓	
4	d X	24	B X	44	B ✓	
5	a. ✓	25	C X	45	B X	
6	C ✓	26	B X	46	C X	
7	a ✓	27	P X	47	C ✓	
8	b ✓	28	D X	48	C X	
9	B X	29	B ✓	49	a ✓	
10	C X	30	B ✓	50	B X	
11	C ✓	31	D ✓			
12	C X	32	B X			
13	A ✓	33	D X			
14	d ✓	34	B ✓			
15	a ✓	35	C ✓			
16	b ✓	36	D ✓			
17	D X	37	X			
18	X	38	X			
19	X	39	X			
20	X	40	X			

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COMPREHENSIVE EXAMINATION

NAME: Harsha S.. ROLL NO. 8

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

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Course Objectives (COBs)

Laboratory (2): COMPREHENSIVE EXAMINATION Code: EC 352.....

Class: IIIrd Year VIIth Semester ECE..... Branch

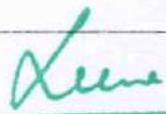
COB-1	To assess the comprehensive knowledge gained in basic courses relevant to the branch of study.
COB-2	To comprehend the questions asked and answer them with confidence.
COB-3	
COB-4	
COB-5	

Course Outcomes (COs)

Laboratory (2): COMPREHENSIVE EXAMINATION Code: EC 352.....

Class: IIIrd Year VIIth Semester ECE..... Branch

CO-1	The students will be confident in discussing the fundamental aspects of any engineering problem / situation and give answers in dealing with them.
CO-2	
CO-2	The students will acquire practice in attending objective type questions.
CO-3	The students will be able to face all types of competitive exams and interviews.
CO-4	The students will gain knowledge in all the fields of their branch of study.
CO-6	
CO-7	
CO-8	
CO-9	
CO-10	


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PEOs Mapping with Course

Laboratory (2)	Programme Educational Objectives				
	PEO-1	PEO-2	PEO-3	PEO-4	PEO-5
COMPREHENSIVE EXAMINATION EC 352	3	3	3	3	

POs Mapping with COs

PSOs		Course Outcomes	Programme Outcomes											
PSO1	PSO2		1	2	3	4	5	6	7	8	9	10	11	12
2	3	CO-1	3	2	2	2				2	3	3	2	3
		CO-2												
		CO-3												
		CO-4												
		CO-5												
		CO-6												
		CO-7												
		CO-8												
		CO-9												
		CO-10												

Note: 3 - Strong Contribution, 2-Average Contribution, 1-Some Contribution


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