



RVS COLLEGE OF ENGINEERING AND TECHNOLOGY

KumaranKottam Campus, Kannampalayam (Po), Coimbatore – 641 402
(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)
NAAC Accredited and ISO 21001:2018 certified Institution



Criterion 2- Teaching- Learning and Evaluation

2.5 Evaluation Process and Reforms

2.5.1 Mechanism of internal assessment is transparent



ANNA UNIVERSITY INTERNAL ASSESSMENT SCHEDULE

Date: 02.11.2022

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

November 2022 – April 2023 (SEMESTER I)

UG (FT/PT) Degree Programmes



Sl. No.	Programme	Semester	Commencement of Induction Programme	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech. (Full Time)	I	14.11.2022	28.11.2022	23.03.2023	25.03.2023	05.04.2023
2.	B.Arch.(Full Time)	I	14.11.2022	28.11.2022	15.03.2023	25.03.2023	05.04.2023
3.	B.E. / B.Tech. (Part Time)	I	-	14.11.2022	01.03.2023	25.03.2023	05.04.2023

RE-OPENING DAY FOR THE NEXT SEMESTER: 15.05.2023 (Monday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course. (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.


DIRECTOR
ACADEMIC COURSES



INTERNAL ASSESSMENT SCHEDULE



R.V.S. COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE

Examinations Cell

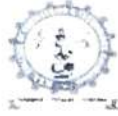
Internal Assessment Test-III : TIME TABLE (Academic year 2021-22) - EVEN Semester



Dept	Year	RVSCET / Exam / May 2022 / IAT – III		Max.Marks: 50	Duration: 1:30 Hours	Time: 11.00 AM to 12:30 PM	Internal Assessment Test-III : TIME TABLE (Academic year 2021-22) - EVEN Semester				
		06.06.2022	07.06.2022				08.06.2022	09.06.2022	10.06.2022	11.06.2022	
		Monday	Tuesday	Wednesday	Thursday	Friday	Saturday				
CSE	II	MA8402 Probability and Queuing Theory	CS8491 Computer Architecture	CS8492 Database Management Systems	CS8451 Design and Analysis of Algorithms	CS8493 Operating Systems	CS8494 Software Engineering				
	III	CS8651 Internet Programming	CS8691 Artificial Intelligence	CS8601 Mobile Computing	CS8602 Compiler Design	CS8603 Distributed Systems	IT8076 Software Testing				
	IV	CS8078 Green Computing	GE8076 Professional Ethics in Engineering	-	-	-	-	-			
EEE	II	MA8491 Numerical Methods	EE8401 Electrical Machines – II	EE8402 Transmission and Distribution	EE8403 Measurements and Instrumentation	EE8451 Linear Integrated Circuits and Applications	IC8451 Control Systems				
	III	EE8601 Solid State Drives	EE8602 Protection and Switchgear	EE8691 Embedded Systems	EE8002 Design of Electrical Apparatus	EE8006 Power Quality	-				
	IV	EE8015 Electric Energy Generation, Utilization and Conservation	GE8073 Fundamentals of Nano Science	-	-	-	-	-			
ECE	II	EC8452 Electronic Circuits II	MA8451 Probability & Random Processes	EC8491 Communication Theory	EC8451 Electromagnetic Fields	EC8453 Linear Integrated Circuits	GE8291 Environmental Science and Engineering				
	III	EC8691 Microprocessor and microcontroller	EC8095 VLSI Design	EC8652 Wireless communication	MG8591 Principle of management	EC8651 Transmission Lines and RF Systems	EC8004 Wireless Networks				
	IV	EC8094 Satellite Communication	GE8076 Professional Ethics in Engineering / EC8093 Digital Image Processing	-	-	-	-	-			
MECH	II	MA8452 Statistics and Numerical Methods	ME8492 Kinematics of Machinery	ME8451 Manufacturing Technology – II	ME8491 Engineering Metallurgy	CE8395 Strength of Materials for Mechanical Engineers	ME8493 Thermal Engineering- I				
	III	ME8651 Design of Transmission Systems	ME8691 Computer Aided Design and Manufacturing	ME8693 Heat and Mass Transfer	ME8692 Finite Element Analysis	ME8694 Hydraulics and Pneumatics	ME8091 Automobile Engineering				
	IV	MG8591 Principles of Management	MG8091 Entrepreneurship Development	-	-	-	-	-			
PCE	II	PE8491 Chemical Engineering Thermodynamics	PM8451 Petroleum Exploration and Exploitation Techniques	CY8292 Chemistry for Technologists	PE8092 Natural Gas Engineering	CH8451 Mechanical Operations	PM8452 Petroleum Primary Processing Technology				
	III	PM8651 Petroleum Secondary Processing Technology	CH8651 Mass Transfer II	PE8072 Catalytic Reaction Engineering	GE8076 Professional Ethics in Engineering	CH8653 Process Instrumentation, Dynamics and Control	PM8074 Drilling and Well Engineering				
	IV	PM8801 Pipeline and Welding Technology	GE8073 Fundamentals of Nano Science	-	-	-	-	-			

- Copy to 1. The Principal /Vice Principal /A.O.
2. All HoDs (Circulate among Faculty & respective students)

Co-ordinator - Examinations



RVS College of Engineering and Technology,

Coimbatore- 641 402

Examinations Cell



Lr. No. 13 / RVSCET/ Exam./ 2021-22

30.05.2022

Circular

It is informed that the Internal Assessment Test – III for higher semester students for the academic year 2021 – 2022 even semester is scheduled to be held from 06.06.2022 to 11.06.2022. The time table for the same can be viewed in the examination cell notice board. All the HoD's are requested to bring to the students the awareness about the test schedule well in advance.

The Internal Assessment Test – III will be commenced from 11.00 a.m. to 12.30 p.m. in the FN session.

P. [Signature]
COORDINATOR - EXAMINATIONS

1. Principal / AO - *K. P. [Signature]*
2. All HODs -
3. To read in the Class Rooms

S. No	Class	Name of the Faculty	Signature of the Faculty
1.	II - CSE	Perintha - K	<i>K. [Signature]</i>
2.	III - CSE	M. Govri	<i>M. [Signature]</i>
3.	IV - CSE	PRADEEP - K	<i>P. [Signature]</i>
4.	II - EEE	Senthil Murali	<i>S. [Signature]</i>
5.	III - EEE	Sri. Pandeeswari	<i>S. [Signature]</i>
6.	IV - EEE	Dr. T. Vinith Kumar	<i>T. [Signature]</i>
7.	II - ECE	N. BHUVANESWARI	<i>N. [Signature]</i>
8.	III - ECE	K. Mohan Kumar	<i>K. [Signature]</i>
9.	IV - ECE	R. Rajkumar	<i>R. [Signature]</i>
10.	II - MECH	J. Kavitha	<i>J. [Signature]</i>
11.	III - MECH	D. KUBEMORAN	<i>D. [Signature]</i>
12.	IV - MECH	Dr. V. R. Sivasub	<i>V. [Signature]</i>
13.	II - PCE	B. Vijay Kumar	<i>B. [Signature]</i>
14.	III - PCE	Dr. A. S. Anon Prasad	<i>A. [Signature]</i>
15.	IV - PCE	N. Aravind	<i>N. [Signature]</i>

1. HoD - CSE - *[Signature]*
2. HoD - EEE - *[Signature]*
3. HoD - ECE - *[Signature]*

4. HoD - mech - *[Signature]*
5. HoD - PCE - *[Signature]*



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INTERNAL / MODEL EXAMINATION-HALL ALLOCATION

RVS COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE



Internal Assessment Test – III April/May 2022,
06.06.2022 to 11.06.2022



HALL ALLOCATION

Centre Code and Name: 7128 – RVS College of Engineering & Technology

Semester : EVEN

Session : FN

Date: 06.06.2022 to 11.06.2022

Time : 11.00 AM - 12.30 PM

S.No	Class	Register Number of the Candidates	No. of Students	Hall No.
1	IV CSE	712818104002,03,04,06,07,08,10,11,12,13,14,15,16,17,18,19,20,21,24,25	20	303
2	IV ECE	712818106002,03,05,06,07,10,11,12,14,15,19,20,22,24,25,26,29,30,31,33	20	303
3	IV CSE	712818104026,27,28,30,31,32,33,34,37,39,40,41,42,43,45,46,301,501,502,701	20	313
4	IV ECE	712818106034,35,36,37,38,39,40,41,42,43,44,45,47,48,49,50,51,52,53,54	20	313
5	IV ECE	712818106056,57,58,59,61,62,66,301,303	9	523
6	IV CSE	712818104703,704,705,706,707,708,709,710,711,712	10	523
7	IV PCE	712818139002,03,04,05,06,07,08,09,10,12	10	523
8	IV Mech	712818114001,06,07,09,16,21,23,24,25,26,27	11	523
9	IV PCE	712818139013,14,15,16,17,18,19,20,21,22,23,24,25,27,28,29,30,31,32,33	20	524
10	IV Mech	712818114030,31,32,34,35,36,37,47,48,49,50,51,52,54,55,57,60,61,62,63	20	524
11	III EEE	712819105001,03,04,05,06,07,08,10,11,12,14,15,301,302,701	15	501
12	III CSE	712819104001,03,05,06,07,08,09,10,11,12,14,15,16,17,18,19,20,21,25,27	20	501
13	III Mech	712819114002,03,05,06,07	5	501
14	III CSE	712819104028,29,30,301,302,501,701,702,703,704,705,706,707,708,709,710,711,712,713,714	20	502
15	III Mech	712819114008,09,10,11,12,13,15,16,17,18,21,22,23,24,25,301,302,303,304,307	20	502
16	III Mech	712819114309,701,702,703,704,705,706,707,708,709,710,711,712	13	503
17	III PCE	712819139001,02,03,04,05,06,07	7	503
18	III ECE	712819106001,02,03,04,05	5	503
19	III CSE	712819104715,716,717,718,719,720,721,723,724,725,726,727,728,729,730	15	503
20	III ECE	712819106006,07,08,09,10,13,14,15,16,17,18,301,302,303,501,701,702,703,704,705	20	504
21	III PCE	712819139008,09,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27	20	504



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INTERNAL EXAMINATION-INVIGILATION DUTY LIST



RVS College of Engineering and Technology, Coimbatore
Examination Section
Internal Assessment Test – III Invigilation duty chart from
06.06.2022 to 11.06.2022



S.No	Name of the Faculty	Designation	No of Duty	06.06.22	07.06.22	08.06.22	09.06.22	10.06.22	11.06.22
1	Dr. K. Karuppusamy - CSE	Professor & Head	0	Squad Duty on 06.06.22 and 09.06.22					
2	D. Suganthi - CSE	Assistant Professor	2		Duty				Duty
3	S. Tamizharasu - CSE	Assistant Professor	2		Duty			Duty	
4	K. Brindha - CSE	Assistant Professor	2	Duty			Duty		
5	M. Gowri - CSE	Assistant Professor	2		Duty			Duty	
6	K. Pradeep - CSE	Assistant Professor	1	Duty	Examination Cell Coordinator				
7	C. Saranya - CSE	Assistant Professor	3	Duty		Duty			Duty
8	K. Arunkumar - CSE	Assistant Professor	2		Duty		Duty		
9	Dr. D. Jeyakumari - ECE	Professor & Head	0	Squad Duty on 07.06.22 and 11.06.22					
10	Dr. N. Shanmuga Vadivu - ECE	Professor	0	Squad Duty on 08.06.22 and 11.06.22					
11	Dr. B. Suganthi - ECE	Associate Professor	2		Duty				Duty
12	Dr. R. Kannan - ECE	Assistant Professor	2	Duty				Duty	
13	L. Gowrisankar - ECE	Assistant Professor	2	Duty			Duty		
14	C. Dhamotharan - ECE	Assistant Professor	2		Duty				Duty
15	R. Rajkumar - ECE	Assistant Professor	1	Examination Cell Coordinator			Duty	Examination Cell Coordinator	



RVS College of Engineering and Technology, Coimbatore

PROFORMA - 3



Details of Session wise use of answer – booklets/ Hall & Session wise Invigilators Details

DATE : 06.06.2022 SESSION: FN									
S.No	Hall No	Name of the Hall Superintendent with Designation / Department College Code & Name		INT	Answer Booklets ISSUED	Signature of Hall Superintendent	RETURNED / No of Absentees	No of Booklets USED	Signature of Hall Superintendent
		Actual	Altered						
1	313	Dr. R. KANNAN	-	INT	40		19	21	
2	501	PRADEEP.K	-	INT	40		3	37	
3	303	S. PANDEESWARI	-	INT	40		25	15	
4	502	d. Mahan kanna	-	INT	40		10	30	
5	506	Saritha Mungar	-	INT	40		22	32	
6	524	URETHMATHA MUTHU RAJ.P	-	INT	40		11	29	
7	503	F. Vignay Ammal	-	INT	40		8	32	



INTERNAL EXAMINATION-SQUAD DUTY REPORT



RVS COLLEGE OF ENGINEERING AND TECHNOLOGY,
COIMBATORE- 641 402

EXAMINATION CELL Squad Member Report



Date: 08/06/2022

As per the direction, I have visited the following Examination Halls and the findings made are reported herewith

S.No	Hall No	Name of the Invigilator	Observations made in the Examination Hall	Invigilator's Signature (Optional)
1	501	C. Saranya	—	
2	502	N. JRI SARANANAN.	—	
3	503	S. PANDEESWARI	—	
4	504	V. Kavitha	—	
5	505	V. Hari Ganesh	—	
6	506	R. SAMPATH	—	
7	516	C. Madhan Kumar	—	
8	522	T. Vinod Kumar	—	

Malpractice if any (Given details)----- Nil -----

Date: 08/06/2022

Signature of the Squad member:

Time: 11.45 Am to 12.15 Pm

Name: Dr A.S. Anand Prasad

Designation: Associate Professor.

Coordinator - Examinations



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SAMPLE INTERNAL TEST ANSWER KEY

Reg.No. _____
R.V.S. COLLEGE OF ENGINEERING & TECHNOLOGY, COIMBATORE.
DEPARTMENT OF PCE
INTERNAL ASSESSMENT II- MAY 2022
Subject code & Name: GE8073 FUNDAMENTALS OF NANOSCIENCE
Year / Branch / Sem: IV PCE/8 Duration: 1.5 Hours (11.00am to 12.30pm)
Date: 9.05.2022 (FN) Max. Marks: 50 (Pass Mark - 25)

Answer All the Questions Part - A (5*2 = 10 Marks)

1. What is meant by self-assembly? (CO2-K2)
2. What is meant by molecular beam epitaxy? (CO2-K2)
3. What are the uses of nano particles? (CO3-K3)
4. What is the principle of Buckminster fullerene? (CO3-K3)
5. What is meant by SWCNT? (CO3-K3)

Part - B (2*13=26 Marks)

6. a. Explain the concept of physical vapour phase deposition and its types in detail with suitable diagram, (CO2-K2)(13)
(OR)
b. Explain the concept of molecular beam epitaxy and the concept of Atomic layer deposition in detail. (CO2-K2)(13)
7. a. Explain the various Nano forms of carbon in detail.(CO3-K3)(13)
(OR)
b. What is meant by SWNT and MWNT? Explain in detail.(CO3-K3)(13)

Part - C (1*14=14 Marks)

8. a. Explain the functions of Nano clays in detail. (CO3-K3)(14)
(OR)
b. How to prepare Quantum wire? Explain the various steps involved in detail(CO3-K3)(14)

Prepared by

[Signature]
[Prof.E.Saraswathi]

Approved by

[Signature]
[HOD-PCE]

[Signature]
PRINCIPAL
RVS College of Engineering & Technology
Coimbatore - 641 402



RVS COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE - 402
DEPARTMENT OF PCE
INTERNAL ASSESSMENT TEST - II
ANSWER KEY

Subject Code : GE8073 Subject Name : Fundamentals of Nano science
Date / Session : 10.05.2022 / FN Max. Marks : 50

PART- A		Answer all the Questions		5*2=10	
Q.No	Key Answers	Mark Distribution	Total Mark		
1	Self Assembly: Molecular self-assembly is the spontaneous association of molecules under equilibrium conditions into stable, structurally well-defined aggregates joined by non covalent bonds. Molecular self-assembly is ever-present in biological systems and underlies the formation of a wide variety of complex biological structures.	1+1=2	2		
2	Molecular beam epitaxy: Molecular beam epitaxy (MBE) can be considered as a more sophisticated version of the evaporation technique. In MBE, the vacuum is very high such that the pressure inside the reactor.	1+1=2	2		
3	Uses of nano particles: Metal nanoparticles are used as various types of catalysts, adsorbents, sensors and ferrofluids. They have applications in optical, electronic and magnetic devices. Most of these applications critically depend on the size and shape of the nanoparticles.	1+1=2	2		
4	Principle of Buckminster fullerene: The most familiar carbon fullerene is a molecule with 60 carbon atoms, represented as C60. It was discovered in 1985 by Kroto et al. and named as Buckminsterfullerene. The name was coined after the American architect Richard Buckminster Fuller who was famous for the geodesic domes built by him. The C60 molecule has a truncated icosahedral structure formed by replacing each vertex on the seams of a football by a carbon atom. There are 20 hexagonal faces and 12 pentagonal faces in the molecule. The average nearest C-C distance is 0.144 nm, which is very close to that in graphite (viz. 0.142 nm). Each carbon atom is tetrahedrally bonded to other carbon atoms, same as that in graphite.	2	2		
5	SWCNT: The synthesis of C60 and other fullerenes stimulated intense interest in the tubular variant of the fullerene prepared single-walled nanotubes called SWNT.	2	2		
PART - B		2*13=26			
6 a.	Evaporation: Definition, diagram and explanation. Sputtering: Definition, diagram and explanation.	7+6=13	13		
b	MOCVD & MOMB: - MOCVD: Definition, explanation and diagram - MOMB: Definition, explanation and diagram	7+6=13	13		

[Signature]
PRINCIPAL
RVS College of Engineering & Technology
Coimbatore - 641 402





ANSWER SHEET VERIFIED BY THE STUDENT



R.V.S. COLLEGE OF ENGINEERING AND TECHNOLOGY, Coimbatore - 641 402.
(Approved by AICTE and Affiliated to ANNA UNIVERSITY)

INTERNAL TEST - II

REGISTER NUMBER

7 1 2 8 1 8 1 1 4 0 5 4

Name of the Candidate		G. NARAYANAN			
Degree / Branch / Section		BE - MECHANICAL ENGINEERING			
Subject Code / Name		MG859- PRINCIPLES OF MANAGEMENT			
Semester	YII	Date / Session	09/05/22 (FN)	No. of pages Used	12
Name of the Invigilator		UTCHI MAHAJI MUTHU RAJA P			
Signature of the Invigilator with date					

PART - A	
1	✓ 2
2	✓ 2
3	✓ 2
4	✓ 2
5	✓ 2
Part - A Sub Total (10)	10

PART - B				
Q. No.	(i)	(ii)	(iii)	Total
6. (a)				
6. (b)	✓ 11			11
7. (a)	✓ 11			11
7. (b)				
8. (a)	✓ 10			10
8. (b)				
Part - B Sub Total (40)				32

Verikal
Anany G.

Grand Total Out of 50 **42**

84%

Mentor

Name of the Faculty	T. T. S. Jayaraman
Signature of the Faculty with date	 11/5/22



Principal
RVS College of Engineering & Technology
Coimbatore - 641 402



MODEL PRACTICAL EXAMINATION QUESTION PAPER



RVS COLLEGE OF ENGINEERING & TECHNOLOGY

COIMBATORE-641 402

DEPARTMENT OF DEPARTMENT OF SCIENCE & HUMANITIES

ACADEMIC YEAR 2021-2022 [ODD SEMESTER]

Subject Name: CHEMISTRY LABORATORY Course: B.E (Common to all Branches)
Subject Code: BS3171 Class / Sem: I / I
Date: From 02.03.2022 to 04.03.2022 Max.Marks:50

MODEL EXAM

SHORT PROCEDURE	EXPERIMENT	RESULT	VIVA	TOTAL
15	20	10	5	50

1.	Determine the Total, Temporary and Permanent hardness in the given sample of hard water by EDTA method. You are provided with EDTA as link solution.
2.	Estimate the amount of chloride ions in the given water sample by Argentometry. You are provided with a standard solution of sodium chloride and a link solution of silver nitrate.
3.	Estimate the amount of copper present in the brass by iodometry. You are supplied with 0.1 N Sodium thiosulphate.
4.	Determine the amount of Iron present in the given solution by potentiometry. You are provided with standard $K_2Cr_2O_7$ as a link solution.
5.	Determine the amount of DO present in the given water sample by Winkler's method
6.	Determine the strength of given hydrochloric acid using pH meter.
7.	Determine the strength of acids in a mixture of acids using conductivity meter.


Staff In charge


HOD