



GOJAN SCHOOL OF BUSINESS AND TECHNOLOGY

Approved by A.I.C.T.E. New Delhi & Affiliated to Anna University, Chennai

NAAC Accredited Institution | An ISO 9001:2015 Certified Institution

Recognized by UGC u/s 2(f) & 12(B) of the UGC Act

80 Feet Road, Edapalayam, Redhills, Chennai - 600 052.

* G.S.B.T. *

2.5.1 Mechanism of internal assessment is transparent and robust in terms of frequency and variety.

S.no	Title	Page Number
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CIRCULAR

To all Faculty Members:

Date: 09.02.2019

Sub: Question Paper setting for IV, VI and VIII Semester classes -Cycle test-II Reg.

Faculty members are informed to set the Cycle test-II question papers (set A and set B) for IV, VI and VIII Semesters and submit it to the concerned HOD's on or before 14/02/2019. HODs are requested to collect the question papers and send it to the exam cell coordinator (gsbt.coe@gojaneducation.com) on or before 15/02/2019.

The question paper format are as follows:-

GOJAN SCHOOL OF BUSINESS AND TECHNOLOGY, CHENNAI-52 (Font Size-14 Times New Roman)
CYCLE TEST-II – FEB 2019
(Font Size -12 Times New Roman)

Branch :	Date :
Year/Semester:	Time : 9.45 AM TO 12.45 PM
Subject Name:	Max.Marks : 100
Subject Code:	No.of.Copies:
Staff Name:	

NOTE:

- ❖ Answer key must be submitted along with the question paper.
- ❖ Hand written and manually written question papers will not be entertained.
- ❖ Question Paper

PART A=10*2=20
PART B=5*13=65
PART C=1*15=15


Principal Principal
Gojan School of Business & Technology
Redhills, Chennai-600 052.



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DEPARTMENT OF SCIENCE & HUMANITIES

CYCLE TEST – I FEBRUARY - 2019

TIME TABLE

YEAR/SEM: I/II

TIME: 8.40AM to 10.10 AM

DATE	AERO	CSE – A&B	EEE	ECE	MECH	IT
21-02-19 (THURSDAY)	PH8251/ MATERIAL SCIENCE	PH8252/ PHYSICS FOR INFORMATION SCIENCE	PH8253/ PHYSICS FOR ELECTRONICS ENGG.	PH8253/ PHYSICS FOR ELECTRONICS ENGG.	PH8251/ MATERIAL SCIENCE	PH8252/ PHYSICS FOR INFORMATION SCIENCE
23.02.19 (SATURDAY)	MA8251/ENG. MATHS - II	MA8251/ENG. MATHS - II	MA8251/ENG. MATHS - II	MA8251/ENG. MATHS - II	MA8251/ENG. MATHS - II	MA8251/ENG. MATHS - II
26.02.19 (TUESDAY)	GE8291 /EVS	GE8291 /EVS	GE8291 /EVS	EC8252 /ED	GE8291 /EVS	IT8201/IT ESSENTIALS
28-02-19 (THURSDAY)	BE8253 /BEEIE	BE8255 /BEEME	EE8251 /CT	EC8251 /CA	BE8253 /BEEIE	BE8255 /BEEME
02-03-19 (SATURDAY)	GE8292/EM	CS8251 /PROG. C	BE8252 /BCM	BE8254 /BEIE	GE8292 /EM	CS8251 /PROG. C
06-03-19 (WEDNESDAY)	HS8251/TECH. ENGLISH	HS8251/TECH. ENGLISH	HS8251/TECH. ENGLISH	HS8251/TECH. ENGLISH	HS8251/TECH. ENGLISH	HS8251/TECH. ENGLISH

Principal
Gojan School of Business & Technology
Redhills, Chennai-600 052.

for
21/2/19



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CYCLE TEST - II TIME TABLE

YEAR/SEM: II/IV

TIME:

DATE	AERO	CIVIL	CSE	EEE	ECE	MECH	IT
20/02/2019	MA8491- Numerical Methods	MA8491- Numerical Methods	MA8402-Probability & Queuning Theory	MA8491- Numerical Methods	MA8451-Probability & Random Process	MA8452-statistics & Numerical methods	MA8391- probability & Statistics
21/02/2019	AE8401- Aerodynamics-I	CE8401-Construction Techniques and Practices	CS8491-Computer Architecture	EE8401-Electrical Machines-II	EC8451- Electromagnetic Fields	ME8491-Engineering Metallurgy	CS8491-Computer Architecture
22/02/2019	AE8402-Aircraft Systems & Instruments	CE8402-Strength of Material-II	CS8492-Database Management System	EE8402- Transmission Distribution	EC8452-Electronic Circuits-II	ME8492-Kinematics Of Machinery	CS8492-Database Management System
23/02/2019	AE8403-Aircraft Structures-I	CE8403-Applied Hydraulic Engg..	CS8493-Operating Systems	EE8403- Measurements and Instrumentation	EC8453- Liner Integrated Circuits	ME8493-Thermal Engineering	CS8493-Operating Systems
25/02/2019	AE8404- Propulsion-I	CE8404-Concrete Technology	CS8494- Software Engg.	EE8451-Liner Integrated Circuits and Applications	GE8291- Enviromental Science and Engg.	ME8451- Manufacturing Technology-II	GE8251- Environmental Science and Engg.
26/02/2019	PR8451- Mechanics of Machines	CE8491-Soil Mechanics	CS8451-Design And Analysis of Algorithm	IC8451-Control Systems	EC8491- Communication Theory	CE8395-Strength of Materials	CS8451-Design And Analysis of Algorithm



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CYCLE TEST - II TIME TABLE

YEAR/SEM: III/VI

TIME:

DATE	AERO	CIVIL	CSE	EEE	ECE	MECH	IT
20/02/2019	AE6601-Finite Element-Method	CE6601-Design of Reinforced Concrete and Brick Masonry Structures.	CS6601-Distributed Systems	EE6601-Solid State Drives	EC6601-VLSI Design	ME6601-Design of Transmission Systems	CS6601-Distributed Systems
21/02/2019	AE6602-Vibrations and Elements of Aero elasticity	CE6602-Structural Analysis-II	IT6601-Mobile Computing	EE6602-Embedded Systems	EC6602-Antenna Wave Propagation	ME6602-Automobile	IT6601-Mobile Computing
22/02/2019	AE6603-Composite Materials and Structures	CE6603-Design of Structures	CS6660-Compiler Design	EE6603-Power System Operation And Control	EC6001-Medical Electronics	ME6603-Finite Element Analysis	CS6660-Compiler Design
23/02/2019	AE6604-Aircraft Materials and Processes	CE6604-Railways Airports and Harbour Engg..	IT6502-Digital Signal Processing	EE6604-Design of Electrical Machines	CS6551-Computer Networks	ME6604-Gas Dynamics and Jet Propulsion	IT6602-Software Architecture
25/02/2019	AE6002-Aircraft General Engg. & Maintenance	CE6605-Environmental Engineering-II	CS6659-Artificial Intelligence	EE6002-Power System Transients	CS6303-Computer Architecture	ME6004-Unconventional Machining process	CS6659-Artificial Intelligence
26/02/2019	MG6851-Principles of Management	CE6005-Construction Planning and Scheduling	GE6757-Total Quality Management	EC6651-Communication Engineering	MG6851-Principles of Management	MG6851-Principles of Management	GE6757-Total Quality Management



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CYCLE TEST - II TIME TABLE

YEAR/SEM: IV/VIII

TIME:

DATE	AERO	CIVIL	CSE	EEE	ECE	MECH	IT
20/02/2019	AE6801-Wind Tunnel Techniques	MG6851- Principles of Management	CS6010-Social Network Analysis	EE6801-Electric Energy Generation Utilization and Conservation	EC6801-Wireless Communication	ME6016-Advance IC Engine	IT6801-Service Oriented Architecture
21/02/2019	AE6015-Rockets and Missiles	CE6021-Repair and Rehabilitation of Structures	CS6801-Multi Core Architecture and Programming	EE6009-Power Electronics for Renewable Energy Systems	EC6802-Wireless Networks	IE6605-Production Planning and Control	CS6004-Cyber Forensics
22/02/2019		CE6016-Prefabricated Structure	GE6075-Professional Ethics Engineering	GE6075-Professional Ethics Engineering	GE6075-Professional Ethics Engineering	MG6863-Engineering Economics	GE6075-Professional Ethics Engineering
23/02/2019					GE6757-Total Quality Management		MG6088-Software Project Management
25/02/2019							

**GOJAN SCHOOL OF BUSINESS AND TECHNOLOGY
DEPARTMENT OF CIVIL ENGINEERING
CYCLE TEST -II PAPER EVALUATION**

YEAR:II

SEM:IV

S.NO	DATE	SUBJECT CODE	SUBJECT NAME	NAME OF THE FACULTY	NAME OF THE EXAMINER
1	18/02/2020	CE8401	Construction Techniques And Practices	Mr.S.Venkateswaran	Mr.S.Jothivel
2	19/02/2020	MA8491	Numerical Methods	Mr.M.Silvester	Mr.M.Joseph Robinson
3	20/02/2020	CE8402	Strength Of Materials - II	Mr.S.Basilahamed	Mr.V.S.Arul
4	21/02/2020	CE8403	Applied Hydraulic Engineering	Mr.S.Sasthaaramuga pandi	Mr.S.Venkateswaran
5	22/02/2020	CE8404	Concrete Technology	Mr.S.Jothivel	Mr.S.Basilahamed
6	24/02/2020	CE8491	Soil Mechanics	Mr.S.Jothivel	Mr.S.Sasthaaramuga pandi

**GOJAN SCHOOL OF BUSINESS AND TECHNOLOGY
DEPARTMENT OF CIVIL ENGINEERING
CYCLE TEST -II PAPER EVALUATION**

YEAR:III

SEM:VI

S.NO	DATE	SUBJECT CODE	SUBJECT NAME	NAME OF THE FACULTY	NAME OF THE EXAMINER
1	18/02/2020	CE8601	Design of steel structural elements	Mr.S.Sasthaaramuga pandi	Mr.S.Jothivel
2	19/02/2020	CE8602	Structural Analysis II	Mr.S.Basilahamed	Mr.V.S.Arul
3	20/02/2020	CE8603	Irrigation Engineering	Mr.S.Venkateswaran	Mr.S.Sasthaaramuga pandi
4	21/02/2020	CE8604	Highway Engineering	Mr.V.S.Arul	Mr.S.Basilahamed
5	22/02/2020	EN8592	Waste Water Engineering	Mr.S.Jothivel	Mr.S.Venkateswaran
6	24/02/2020	CE8005	Air Pollution And Control Engineering	Mr.S.Sasthaaramuga pandi	Mr.V.S.Arul

**GOJAN SCHOOL OF BUSINESS AND TECHNOLOGY
DEPARTMENT OF CIVIL ENGINEERING
CYCLE TEST -II PAPER EVALUATION**

YEAR:IV

SEM:VIII

S.NO	DATE	SUBJECT CODE	SUBJECT NAME	NAME OF THE FACULTY	NAME OF THE EXAMINER
1	18/02/2020	MG6851	Principles Of Management	Mr. V. S. Arul	Mr. V. S. Arul
2	19/02/2020	CE6016	Prefabricated Structures	Mr. S. Venkateswaran	Mr. S. Venkateswaran
3	20/02/2020	CE6021	Repair And Rehabilitation Of Structures	Mr. S. Jothivel	Mr. S. Jothivel
4	21/02/2020	NIL	NIL	NIL	NIL
5	22/02/2020	NIL	NIL	NIL	NIL
6	24/02/2020	NIL	NIL	NIL	NIL

**GOJAN SCHOOL OF BUSINESS AND TECHNOLOGY
DEPARTMENT OF CSE ENGINEERING
CYCLE TEST -II PAPER EVALUATION**

YEAR:II

SEM:IV

S.NO	DATE	SUBJECT CODE	SUBJECT NAME	NAME OF THE FACULTY	NAME OF THE EXAMINER
1	18/02/2020	MA8402	Probability And Queuing Theory	Mrs. A. Jothimani	Mr. Karthick
2	19/02/2020	CS8491	Computer Architecture	Ms. R. Suntheya	Mr. Suresh
3	20/02/2020	CS8492	Database Management Systems	Mr. K. Sathish	Mr. V. Gnanasekaran
4	21/02/2020	CS8451	Design And Analysis Of Algorithms	Ms. R. Dhanapriya	Mr. R. Kannan
5	22/02/2020	CS8493	Operating Systems	Mr. V. Gnanasekaran	Mrs. S. Rekha
6	24/02/2020	CS8494	Software Engineering	Mr. R. Kannan	Mr. Vinoth

**GOJAN SCHOOL OF BUSINESS AND TECHNOLOGY
DEPARTMENT OF CSE ENGINEERING
CYCLE TEST -II PAPER EVALUATION**

YEAR:III

SEM:VI

S.NO	DATE	SUBJECT CODE	SUBJECT NAME	NAME OF THE FACULTY	NAME OF THE EXAMINER
1	18/02/2020	CS8651	Internet Programming	Mr.K.Sathish	Mr. Vinoth kumar
2	19/02/2020	CS8691	Artificial Intelligence	Mr.R.Kannan	Mr.K.Sathish
3	20/02/2020	CS8601	Mobile Computing	Ms.R.Dhanapriya	Ms.R.Suntheya
4	21/02/2020	CS8602	Compiler Design	Ms.R.Suntheya	Mr. Vinoth kumar
5	22/02/2020	CS8603	Distributed Systems	Mr. Vinoth kumar	Mr.K.Anbuselvan
6	24/02/2020	IT8076	Software Testing	Mr.K.Anbuselvan	Mr.R.Kannan

**GOJAN SCHOOL OF BUSINESS AND TECHNOLOGY
DEPARTMENT OF CSE ENGINEERING
CYCLE TEST -II PAPER EVALUATION**

YEAR:IV

SEM:VIII

S.NO	DATE	SUBJECT CODE	SUBJECT NAME	NAME OF THE FACULTY	NAME OF THE EXAMINER
1	18/02/2020	CS6801	Multi-Core Architectures And Programming	Mr.K.Sathish	Mr.K.Sathish
2	19/02/2020	CS6010	Social Network Analysis	Ms.R.Suntheya	Ms.R.Suntheya
3	20/02/2020	GE6075	Professional Ethics In Engineering	Mr.R.Kannan	Mr.R.Kannan
4	21/02/2020	NIL	NIL	NIL	NIL
5	22/02/2020	NIL	NIL	NIL	NIL
6	24/02/2020	NIL	NIL	NIL	NIL

**GOJAN SCHOOL OF BUSINESS AND TECHNOLOGY
DEPARTMENT OF EEE ENGINEERING
CYCLE TEST -II PAPER EVALUATION**

YEAR:II

SEM:IV

S.NO	DATE	SUBJECT CODE	SUBJECT NAME	NAME OF THE FACULTY	NAME OF THE EXAMINER
1	18/02/2020	EE8401	Electrical Machines -II	Mr.Velmurugan	Mr.G.Sivakumar
2	19/02/2020	MA8491	Numerical Methods	Mr.Ajith	Ms.pushpa
3	20/02/2020	IC8451	Control Systems	Ms.Sabhana	Mr.G.Sivakumar
4	21/02/2020	EE8403	Measurements And Instrumentation	Mr.G.Sivakumar	Mr.Velmurugan
5	22/02/2020	EE8451	Linear Integrated Circuits And Applications	Mr.Nantha kumar	Dr.S.Sathya
6	24/02/2020	EE8402	Transmission And Distribution	Mrs.Nanthini	Mr.Velmurugan

**GOJAN SCHOOL OF BUSINESS AND TECHNOLOGY
DEPARTMENT OF EEE ENGINEERING
CYCLE TEST -II PAPER EVALUATION**

YEAR:III

SEM:VI

S.NO	DATE	SUBJECT CODE	SUBJECT NAME	NAME OF THE FACULTY	NAME OF THE EXAMINER
1	18/02/2020	EE8601	Solid State Drives	Mr.Velmurugan	Ms.Sabhana
2	19/02/2020	EE8602	Protection And Switchgear	Mr.G.Arumsankar	Mr.G.Arumsankar
3	20/02/2020	EE8691	Embedded Systems	Ms.Nishmitha	Mr.J.Sreesankar
4	21/02/2020	EE8005	Special Electrical Machines	Mr.G.Sivakumar	Ms.Nishmitha
5	22/02/2020	EE 8003	Power System Stability	Mrs.Nandhini	Ms.Sabhana
6	24/02/2020	NIL	NIL	NIL	NIL

Reg. No. :

GOJAN SCHOOL OF BUSINESS AND TECHNOLOGY, CHENNAI-52

CYCLE TEST-II
FEBRUARY-2020.

BRANCH	: Mechanical Engineering	DATE	: 24/02/2020
YEAR / SEM	: III / VI	TIME	: 8.40 AM TO 10.10 AM
SUB.CODE / TITLE	: ME 8091 / Automobile Engineering	MAX. MARKS	: 50 Marks
QUESTION SET	: 1	NO. OF COPIES	: 60

Cognitive Level		
K1- Remembering	K3- Applying	K5- Evaluating
K2- Understanding	K4- Analyzing	K6- Creating

Answer ALL questions

PART - A — (5 × 2 = 10 Marks)

Q.NO.	Questions	COURSE OUT COME	BLOOM'S LEVEL
1.	State how turbocharging is different from supercharging.	CO2	K2
2.	How does oxidation catalyst differ from reduction catalyst?	CO2	K1
3.	Name the types of clutches.	CO3	K1
4.	What is a free wheel? What is the importance of free wheel in the transmission of automobile?	CO3	K2
5.	What is torque tube?	CO3	K2

PART - B — (2 × 13 = 26 Marks)

Q.NO.	Questions	Marks	COURSE OUT COME	BLOOM'S LEVEL
6 a.	Explain a turbocharger with a neat sketch? (OR)	(13)	CO2	K2
b.	What is EGR? And explain the system with suitable sketch.	(13)	CO2	K2
7 a.	Discuss about working principle of single plate clutch. (OR)	(13)	CO3	K3
b.	With a neat sketch explain the working principle of synchromesh gear box.	(13)	CO3	K2

PART - C — (1 × 14 = 14 Marks)

8 a.	Discuss the construction and working principle of 3-way catalytic convertor. (OR)	(14)	CO2	K2
b.	Explain the working principle of a differential with a neat sketch.	(14)	CO3	K2

Fulfillment of Bloom's Taxonomy—Details

Cognitive Level	% Coverage
K1 (Remembering)	5
K2 (Understanding)	81
K3 (Applying)	14
K4 (Analyzing)	—
K5 (Evaluating)	—
K6 (Creating)	—


SIGNATURE OF ECM


HOD

Reg. No. :

GOJAN SCHOOL OF BUSINESS AND TECHNOLOGY, CHENNAI-52

CYCLE TEST-II
FEBRUARY- 2020.

BRANCH	: Mechanical Engineering	DATE	: 24/02/2020
YEAR / SEM	: III / VI	TIME	: 8.40 AM TO 10.10 AM
SUB.CODE / TITLE	: ME 8091 / Automobile Engineering	MAX MARKS	: 50 Marks
QUESTION SET	: 2	NO. OF COPIES	: 60

Cognitive Level		
K1- Remembering	K3- Applying	K5- Evaluating
K2- Understanding	K4- Analyzing	K6- Creating

Answer ALL questions
PART - A — (5 × 2 = 10 Marks)

Q.NO	Questions	COURSE OUTCOME	BLOOM'S LEVEL
1.	What is the use of turbocharger?	CO2	K2
2.	Define catalytic convertor.	CO2	K1
3.	Explain the function of synchromesh unit in a gear box?	CO3	K1
4.	What do you know about over drive? Why over drive is used in some vehicles?	CO3	K2
5.	What is the advantage of Hotchkiss drive?	CO3	K2

PART - B — (2 × 13 = 26 Marks)


Q.NO	Questions	Marks	COURSE OUTCOME	BLOOM'S LEVEL
6 a.	Explain the emission control system.	(13)	CO2	K2
	(OR)			
b.	What do you know about emission norms? Discuss.	(13)	CO2	K2
7 a.	Explain the sliding mesh gearbox with a suitable sketch.	(13)	CO3	K2
	(OR)			
b.	Describe in detail various universal joints used in automobiles.	(13)	CO3	K3

PART - C — (1 × 14 = 14 Marks)

8 a.	Explain briefly the construction of the propeller shaft with neat sketch.	(14)	CO2	K2
	(OR)			
b.	Write short notes on the following: (i) Hotchkiss drive (ii) Torque tube drive.	(14)	CO3	K3

Fulfillment of Bloom's Taxonomy—Details

Cognitive Level	% Coverage
K1 (Remembering)	4
K2 (Understanding)	66
K3 (Applying)	30
K4 (Analyzing)	--
K5 (Evaluating)	--
K6 (Creating)	--


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