Committee Members for CAT1 and CAT2 and Sessional Examination

Priyadarshini College of Engineering, Nagpur
Office Order

Date: 16/01/2018

For smooth conduction of CAT-I and CAT -II and sessional examination at central level, following strategies have been considered.

1) CAT Timings will be 9:30 a.m. to 10.30 a.m.
2) For ME-(2nd Shift) timing will be 11.30 a.m. to 12.30 p.m.
3) Seating arrangement will be of Mixed type.
4) For each subject two set of question paper (Set A &B) should be prepared.
5) Question paper should be submitted to departmental exam coordinator one day prior to the date of respective paper.

Examination Committee member are

S.No.	Name of the faculty Core Branches	Name of the faculty Allied Branches	Designation
1	Mr. M.S.Giripunje (ME)	Mr. P.U.Tembhare (CT)	Incharge
2	Mr. Suraj Ghiwe (AE)	Mr. Rohit Iyer (EN)	Member
3	Mr. Asif Baig (CE)	Ms. Priyanka Thakre	Member
4	Mr. P.P. Shirpurkar (ME)	Ms. Deepali Sukhdeve (ET)	Member
5	Mr.S.M.Deshmukh (EP)	Mr. Akshay Bhoyar (CT)	Member

Responsibilities of committee members

- Preparation of Time Table.
- Seating plan preparation.
- Instruction to the students & invigilators.
- Question paper format (if any)

Non Teaching committe members are

1. Mr. Gopal Sabhare (EN)
2. Mr. Rajesh Shirwas (CT)
3. Mr. Ravi Dumbhare (ET)
4. Mr. P. Helonde (ME)
5. Mr. D. Thakre (Electrical)

HODs are requested provide

1) Roll list and list of eligible students subject-wise up to 19th January 2018
2) Duty charts considering one supervisor for thirty students.

Dr. M. P. Singh
Principal

Copy to all concerns

Committee Members for Question Paper Moderation

Priyadarshini College of Engineering, Nagpur

Sessional Examination 2018-19 (Odd Semester)
Office Order

PCE/Academic/Exam/2018-2019/3040 Date: 14/09/2018

For moderation of Sessional Examination Question papers and Valuation of answer sheets at central level, following committee has been constituted.

S.No.	Name of the faculty	Designation
1	Dr. (Mrs). Nita Thakare	HOD (CT), Incharge
2	Dr. I.A. Khan	Co-Incharge, Academic Coordinator (Mechanical Engg.)
3	Dr. (Mrs). A.P. Rathkanthiwar	Academic Coordinator (Elect. & Telecommn. Engg)
4	Dr. (Ms). R. A.Keswani	Academic Coordinator (Electrical Engg.)
5	Dr. Mrs. M.V. Vyavhare	Academic Coordinator (Electronics Engg.)
6	Dr. P.T. Dhorabe	Academic Coordinator (Civil Engg.)
7	Ms. Priya Karemore	Academic Coordinator (Computer Technology)
8	Mr. Bhushan. Manjre	Academic Coordinator(Information Technology)
9	Mr. Manoj Mahore	Academic Coordinator (Aeronautical Engg.)
10	Ms. Jyosna Gabhne	Member, Asst. Prof. (Computer Technology)
11	Ms. Vaishali Jadhav	Member, Asst. Prof. (Computer Technology)
12	Mr. Pankaj Hatwar	Member, Asst. Prof. (Computer Technology)
13	Mr. Sagar Shrlare	Member, Asst. Prof. (Mechanical Engg.)
14	Mr. Sagar Jawlekar	Member, Asst. Prof. (Mechanical Engg.)
15	Mr. Sandesh Ugade	Member, Asst. Prof. (Mechanical Engg.)
16	Mr. Deepak Hajare	Member, Asst. Prof. (Mechanical Engg.)
17	Mrs . Deveshree Patilkar	Member, Asst. Prof. (Elect. & Telecommn. Engg)

Responsibilities of Commitee

1) Moderation is scheduled on 17/09/2018 from 10.30 a.m. onwards which is to be completed on same day.

2) Academic Coordinators are requested to provide the list of paper setters and moderators by 15/09/2018.

3) Question papers to be submitted in hard copy and soft copy (doc file) to the Incharge by 15/09/2018.

4) Academic Coordinators will coordinate with the paper setters of their respective department and external moderatores to complete the moderation and valuation work.

5) After moderation, Committee will make the required changes (if any) and hand over the soft copy to Printing Committee Incharge.

6) Valuation and modearion of answer sheets is to be completed within two days from the scheduled date of the the respective paper.

7) Venue for Moderation and valuation is Room No. 206 ,Block-A for Allied branches

8) Venue for Moderation and valuation is Room No. 406 ,Block-A for core branches

9) **Dr. S.S.Shriramwar (Dean Academics) will monitor the moderation and valuation work.**

mpsingh

(Dr. M. P. Singh)
Principal

Copy to
1) Vice Principal for information
2) Dean Academics for information and necessary Action
3) All HODs for information and necessary Action

Notice for moderation of Class Assessment Test-1

Priyadarshini College of Engineering, Nagpur
Department of Electrical Engineering

Date: 28/06/2017

NOTICE

The Moderation meeting of the following SUBJECT EXAMINATION COMMITTEE will be held on the day and hour mentioned below in the Meeting Hall, Ground Floor, Electrical Engineering Department,PCE,Nagpur.

Day and Date	Hour	Subject Examination Committee in	Members
28/06/17	3.30 p.m		Electrical Engineering Dr.K.B.Porate Dr. R.A.Keswani
		Electrical Measurement & Instrumentation	Dr. S.P. Muley and Prof. S.C. Suke
		Control System-II	
		Electrical Power System-I	Dr. K.B. Porate and Prof. M.A. Gaidhane
		Electrical Power System-II	
		Electrical Installation and Design	
		Flexible AC Transmission System	
		High Voltage Engineering	
		Electrical Machines-II	Mrs. B.S. Dani and Prof. U.E. Hiwase
		Electrical Machine Design	
		Network Analysis (Electrical)	Ms. V.S. Nandanwar and Ms. A.R. Sonalikar
		Network Analysis & Synthesis (ET)	
		Network Analysis & Synthesis (EN)	
		Non Conventional Electrical Sources	Mrs. S.N. Agrawal and Ms. B. Shikkewal
		Utilization of Electrical Energy	
		Energy Management and Audit	

Important Instructions:
The work of moderation shall be done continuously from 3.30 p.m.onwards till all papers are submitted. If possible moderation work shall be completed within a day only. All question bank must be displayed immediately after correction if any suggested in the moderation meeting.

AGENDA

Moderation of CAT-I Question Bank.

Date:28/06/2017

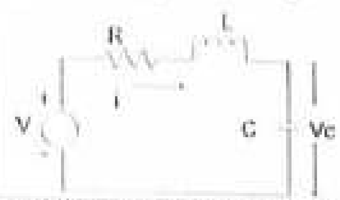
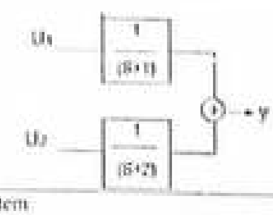
Dr. K.B.Porate
Head, Electrical Engineering Deptt.

Copy to:i) The Principal
ii) Dean Academics
iii) All Members: KBP,SPM, MAG, RAK, BSD, VSN, SNA, UEH, ARS, SCS, BS.-With a request to attend the Moderation Meeting

Sample Moderated Question bank of Class Assessment Test-1

Priyadarshini College of Engineering, Nagpur
Department of Electrical Engineering
Session 2017-18
CAT-I (Question Bank)

Subject : Control System II | Subject Code : BEEE701T
Subject Teacher : 1)Dr (Mrs E. P. Mulev)(Sec.B) | Sem/Sec.: 7^{th} Sem/ A & B
2)Prof.S.C.Sake (Sec.A) | Date of Display: 30/06/2017

Q.N.	Question	Marks	CO
1	Solve the objective type question (No. of question 10 and Each Question carry ONE mark)	10	CO2 & CO3
2a)	A system is represented by the state equation $\dot{X}(t) = A\,X(t)$ The response to $X(t) = \begin{bmatrix} e^{-2t} \\ -2e^{-2t} \end{bmatrix}$ when $X(0) = \begin{bmatrix} 1 \\ -2 \end{bmatrix}$ And $X(t) = \begin{bmatrix} e^{-t} \\ -e^{-t} \end{bmatrix}$ when $X(0) = \begin{bmatrix} 1 \\ -1 \end{bmatrix}$ Determine the system matrix A	05	CO2
2b)	Explain the controllability and observability by kalman test.	05	CO3
3a)	Obtain state space model for a given network *transfer function* $\frac{Y(S)}{U(S)} = \frac{aS^2 + bS + c}{S^3 + aS^2 + bS + c}$	05	CO2
3b)	Explain the controllability and observability by Gilbert test	05	CO3
4a)	Obtain the state space model for given network. 	05	CO2
4b)	Discuss the effect of pole zero cancellation in Transfer function on controllability and observability.	05	CO3
5a)	If $A = \begin{bmatrix} 1 & 0 \\ 1 & 1 \end{bmatrix}$ Find STM by using Cayley - Hamilton Theorem	05	CO2
5b)	Investigate the controllability and observability of the following system. 	05	CO3
6a)	Given T.F. of the system $\frac{Y(s)}{U(s)} = \frac{c}{s^3 + as^2 + bs + c}$ *Form state space model.*	05	CO2
6b)	System is describe by the following equation $\ddot{Y} + 2\dot{Y} + Y = \dot{U} + U$ $X_1 = Y$ $X_2 = \dot{Y} - U$ Comment on Controllability and observability and stability of system.	05	CO3
7a)	The system is described by $\dot{X}_1 = X_2$ $\dot{X}_2 = -2X_1 - 3X_2$ Find STM	05	CO2

7b)	Investigate the controllability and observability of the following $\frac{Y(s)}{U(s)} = \frac{1}{(s+1)} \left[X_1 \frac{(s+2)}{(s+3)} X_2 \frac{(s+1)}{(s+3)} X_3 \right] 10\ Y(s)$	05	CO3
8a)	State the advantages of state variable feedback design over classical design techniques	05	CO2
8b)	Determine the condition on b_1, b_2, c_1, c_2 such that the system defined below is controllable as well as observable. $\dot{X} = \begin{bmatrix} 0 & 1 \\ -3 & -4 \end{bmatrix} X + \begin{bmatrix} b1 \\ b2 \end{bmatrix} u$ and $Y = \begin{bmatrix} C1 & C2 \end{bmatrix} X$	05	CO3
9a)	Construct the canonical state model to represent the following transfer function $\frac{C(s)}{R(s)} = \frac{s^2 + 8s + 1}{s^3 + 5s^2 + 3s}$	05	CO2
9b)	For the system $\dot{X} = \begin{bmatrix} 2 & 1 \\ -1 & 1 \end{bmatrix} X + \begin{bmatrix} 1 \\ 2 \end{bmatrix} u$ i) Comment on stability of system. ii) Is it possible to locate open value at -1, -2 by using state feedback? iii) If the answer of part (ii) is yes. Design a state feedback control so as to place the open values at -1, -2 Draw the block diagram for the controller	05	CO3
10a)	What is SIM? Write down the properties of SIM	05	CO2
10b)	Determine the controllability & observability for the following system $\dot{X} = \begin{bmatrix} -2 & 1 & 0 \\ 0 & -2 & 1 \\ 0 & 0 & -2 \end{bmatrix} X + \begin{bmatrix} 4 & 2 \\ 0 & 0 \\ 3 & 0 \end{bmatrix} u$; $Y = \begin{bmatrix} 0 & 1 & 3 \\ 0 & 2 & -4 \end{bmatrix} X$	05	CO3

Dr.(Mrs.)S.P.Muley / Prof.S.C.Suke
Subject Teacher

Dr.(Ms)R.A.Keswani
U.G.Coordinator

25/04/17
Dr.K.B.Porate
HoD(EE)

for Hod(EE)

Notice for moderation of Class Assessment Test-2

Priyadarshini College of Engineering, Nagpur
Department of Electrical Engineering

NOTICE **Date: 30/07/2017**

The Moderation meeting of the following SUBJECT EXAMINATION COMMITTEE will be held on the day and hour mentioned below in the Meeting Hall, Ground Floor, Electrical Engineering Department,PCE,Nagpur.

Day and Date	Hour	Subject Examination Committee in	Members
31/07/17	3.30 p.m		Electrical Engineering Dr.K.B.Porate Dr. R.A.Keswani
		Electrical Measurement & Instrumentation	Dr. S.P. Muley and
		Control System-II	Prof. S.C. Suke
		Electrical Power System-I	Dr. K.B. Porate and
		Electrical Power System-II	Prof. M.A. Gaidhane
		Electrical Installation and Design	
		Flexible AC Transmission System	
		High Voltage Engineering	
		Electrical Machines-II	Mrs. B.S. Dani and
		Electrical Machine Design	Prof. U.E. Hiwase
		Network Analysis (Electrical)	Ms. V.S. Nandanwar and
		Network Analysis & Synthesis (ET)	Ms. A.R. Sonalikar
		Network Analysis & Synthesis (EN)	
		Non Conventional Electrical Sources	Mrs. S.N. Agrawal and
		Utilization of Electrical Energy	Ms. B. Shilkewal
		Energy Management and Audit	

Important Instructions:
The work of moderation shall be done continuously from 3.30 p.m.onwards till all papers are submitted. If possible moderation work shall be completed within a day only. All question bank must be displayed immediately after correction if any suggested in the moderation meeting.

AGENDA

Moderation of CAT-II Question Bank.

Date:30/07/2017

Dr. K.B.Porate
Head, Electrical Engineering Deptt.

Copy to:i) The Principal
ii) Dean Academics
iii) All Members: KBP,SPM, MAG, RAK, BSD, VSN, SNA, UEH, ARS, SCS, BS-With a request to attend the Moderation Meeting

Sample Moderated Question bank of Class Assessment Test-2

Priyadarshini College of Engineering, Nagpur
Department of Electrical Engineering
Session 2017-18
CAT-II (Question Bank)

Subject : EM & I
Subject Teacher: 1)Ms.B.Shikkewal (Sec.A)
2)Mr.S.C.Suke (Sec.B)

Subject Code : BE EE 0351
Sem/Sec.: 3rd Sem/ A & B
Date of Display: 31/07/2017

Q.N.	Question	Marks	CO
1	Solve the objective type question (No. of question 10 and Each Question carry ONE mark)	10	CO3 & CO4
2a)	A 230V ,1-ϕ watt-hour meter has a constant load of 4A passing through it for 6 hours at UPF .If the meter disc makes 2208 revolution during this period What is the meter constant in resolution per KWh? Calculate the p.f number of resolution made by the meter are 1472 when operating at 230V ,5A for 4 hour ?	05	CO3
2b)	A circuit was tuned for resonance by eight different trainee engineers & value of resonant freq. in H, were recorded as 532,548,543,535,546,531,543 & 536 calculate :-(i) Arithmetic mean (ii)the avg deviation (iii) standard deviation (iv) deviation from mean (v) variance	05	CO4
3a)	What is Blondel's theorem? Explain in detail	05	CO3
3b)	Define & explain the following (i)Zero drift (ii) Systematic error (iii) Random error (iv) Relative error v) Reproducibility	05	CO4
4a)	A CT has 3 primary turn & 300 secondary turns. The total impedance of the secondary is (0.583+j0.25)Ω The secondary current is 5A .The ampere turn required to supply excitation & iron losses are respective 10&5 per volt induced in the secondary . Determine primary current & phase angle of the transformer	05	CO3
4b)	Explain generalised instrumentation system with suitable example .	05	CO4
5a)	A 1-ϕ watt-meter measuring power of 230 V circuit has a current coil of resistance 1000Ω. Load current is 10A at the p.f 0.8(lag). Determine the percent error in watt-meter reading when (i) The pressure coil is connected on load side ii) The pressure coil is connected on supply side	05	CO3
5b)	Define error . What are different type of errors in instrumentation system ? Explain in detail & suggest the remedies for it.	05	CO4
6a)	A 500/5, 50Hz current transformer has a secondary burden comprising a non inductive burden of 1.5Ω .The primary winding has one turn Calculate the flux in the core and current ratio error at the full load Neglect leakage	05	CO3

	reactance & assume the iron loss in the core to be 1.6kWat full load		
6b)	Define transducer. Explain the classification of transducer in detail with example	05	CO4
7a)	Explain the principle and operation of an induction type energy meter	05	CO1
7b)	Explain the measurement of frequency using microprocessor based instrumentation system	05	CO4
8a)	Two watt-meter connected to measure the input to a balanced 3-ph circuit indicate 2000W & 500W respective find the p.f. of the circuit. (I) When both the readings are positive (II) When the latter reading is obtained after reversing the connections to the current coil of the first instrument	05	CO1
8b)	Compare digital & analog mode of operatin in Instrumentation Give the advantages & disadvantages of each	05	CO4
9a)	Define the followings:- (i) Transformation ration ii) Burden iii) Nominal ratio iv) Ratio Correction Factor v) Turns ratio vi) Current Transformer	05	CO1
9b)	Explain with block diagram digital data acquisition system or Discuss in detail digital data acquisition system	05	CO4
10a)	A 1000/5A, 50HZ current transformer has a secondary burden comprising a non inductive importance of 1.6Ω the primary winding has one turn. Calculate the flux in the core & ratio error at full load. Neglect leakage reactance & assume the iron loss in the core to be 1.5KWat full load The magnetizing mmf is 100A	05	CO1
10b)	Explain static and dynamic characteristics of instruments	05	CO1

Ms.R.Shikkewal /Mr.S.C.Sule
Subject Teacher

Ms.R.A.Keswani
U.G.Coordinator

Dr.K.B.Porate
HoD(EE)

Moderated
S.C.Sule
3/07/17

Marking Scheme /Solution of CAT-1

Priyadarshini College of Engineering, Nagpur
Session Examination (2017-18) (EVEN S—

Priyadarshini College of Engineering, Nagpur
Department of Electrical Engineering
session 2017-18

Sub :- CS - II Soln Scheme of CAT-1 Sem :- 7th

Sol - A

Q 2a) Ans :- a) Pole zero form of state variable (02M)
b) Four matrix - i) state eqn (02)
eg ii) o/p eqn

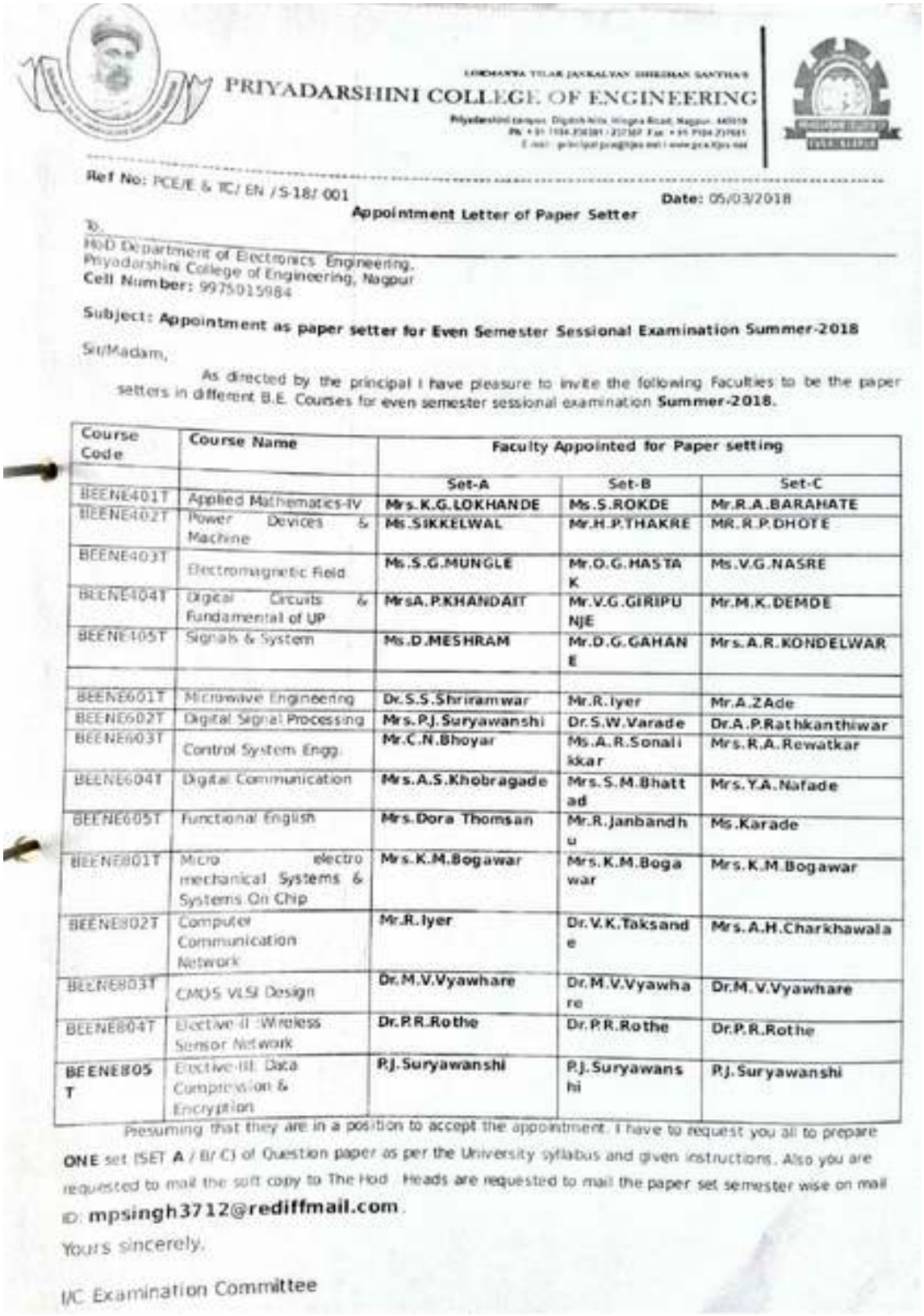
Q 2b) Ans :- a) Canonical form - i) for controllability (2½)M
or
Diagonal form - ii) for observability
b) Jordan Canonical form i) for controllability (2½M)
ii) for observability

OR

Q 3a) Using Caley Hamilton theorem
i) Replace A by λ - - - 01M
ii) find Eigen values - - - 01M
iii) Define $\phi(t)$ - - - - 02M
iv) To find unknown coefficient a_0, a_1 - - - 02M
v) To find $07M = f(A) = \phi(A) = e^{[A]t} = \phi(t)$ - - - 02M.

Q 3b) find controllability & observability.
find i/p & o/p eqn
i) $\dot{x} = [A]x + [B]u$ - - - -> (2½M)
ii) $y = [C]x$ - - -> (2½M)

Appointment letters of Sessional Exam Paper Setter



LOKMANYA TILAK JANKALYAN SHIKSHAN SANSTHAN'S

PRIYADARSHINI COLLEGE OF ENGINEERING

Priyadarshini Campus, Digdoh Hills, Hingna Road, Nagpur- 440019
Ph: +91-7104-238381 / 237387 Fax: +91-7104-237615
E-mail: principal.pce@rediffmail.com | www.pce.ac.in

Ref No: PCE/E & TC/ EN /S-18/ 001 Date: 05/03/2018

Appointment Letter of Paper Setter

To,
HoD Department of Electronics Engineering,
Priyadarshini College of Engineering, Nagpur
Cell Number: 9975015984

Subject: Appointment as paper setter for Even Semester Sessional Examination Summer-2018

Sir/Madam,

As directed by the principal I have pleasure to invite the following Faculties to be the paper setters in different B.E. Courses for even semester sessional examination **Summer-2018.**

Course Code	Course Name	Faculty Appointed for Paper setting		
		Set-A	Set-B	Set-C
BEENE401T	Applied Mathematics-IV	Mrs.K.G.LOKHANDE	Ms.S.ROKDE	Mr.R.A.BARAHATE
BEENE402T	Power Devices & Machine	Ms.SIKKELWAL	Mr.H.P.THAKRE	MR.R.P.DHOTE
BEENE403T	Electromagnetic Field	Ms.S.G.MUNGLE	Mr.O.G.MASTAK	Ms.V.G.NASRE
BEENE404T	Digital Circuits & Fundamental of UP	MrsA.P.KHANDAIT	Mr.V.G.GIRIPUNJE	Mr.M.K.DEMDE
BEENE405T	Signals & System	Ms.D.MESHRAM	Mr.D.G.GAHANE	Mrs.A.R.KONDELWAR
BEENE601T	Microwave Engineering	Dr.S.S.Shriramwar	Mr.R.Iyer	Mr.A.ZAde
BEENE602T	Digital Signal Processing	Mrs.P.J.Suryawanshi	Dr.S.W.Varade	Dr.A.P.Rathkanthiwar
BEENE603T	Control System Engg.	Mr.C.N.Bhoyar	Ms.A.R.Sonalikkar	Mrs.R.A.Rewatkar
BEENE604T	Digital Communication	Mrs.A.S.Khobragade	Mrs.S.M.Bhattad	Mrs.Y.A.Nafade
BEENE605T	Functional English	Mrs.Dora Thomsan	Mr.R.Janbandhu	Ms.Karade
BEENE801T	Micro electro mechanical Systems & Systems On Chip	Mrs.K.M.Bogawar	Mrs.K.M.Bogawar	Mrs.K.M.Bogawar
BEENE802T	Computer Communication Network	Mr.R.Iyer	Dr.V.K.Taksande	Mrs.A.H.Charkhawala
BEENE803T	CMOS VLSI Design	Dr.M.V.Vyawhare	Dr.M.V.Vyawhare	Dr.M.V.Vyawhare
BEENE804T	Elective-II :Wireless Sensor Network	Dr.P.R.Rothe	Dr.P.R.Rothe	Dr.P.R.Rothe
BEENE805T	Elective-III: Data Compression & Encryption	P.J.Suryawanshi	P.J.Suryawanshi	P.J.Suryawanshi

Presuming that they are in a position to accept the appointment. I have to request you all to prepare **ONE** set (SET **A** / B/ C) of Question paper as per the University syllabus and given instructions. Also you are requested to mail the soft copy to The Hod . Heads are requested to mail the paper set semester wise on mail ID: **mpsingh3712@rediffmail.com**.

Yours sincerely,

I/C Examination Committee

Office order of Printing of question papers at central Level

.

Academic Calendar highlighting schedule of Continuous internal evaluation parameters.

PRIYADARSHINI COLLEGE OF ENGINEERING, NAGPUR

Academic Calendar (2017-18), Even Semester - UG

Month	Day						No of Instructional days	Activities
	Mon	Tue	Wed	Thu	Fri	Sat		
Dec 2017					1	2		15 : Commencement of Classes 25 : Christmas 26-27 : Display of CAT_I Question Bank 30 : Display of monthly Attendance
	4	5	6	7	8	9		
	11	12	13	14	15	16	07	
	18	19	20	21	22	23	06	
	25	26	27	28	29	30	05	
Jan 2018	1	2	3	4	5	6	06	3-15 : Submission of University Exam Form (as per University schedule) 13/20 : Project Progress Seminar-3 19 : Display of Eligible Student List for CAT_I 22-29 : CAT_I Examination 29 : Display of Assignment-I 26 : Republic Day 29-31 : Display of CAT_ II Question Bank 31 : Display of Cumulative Attendance and Communicate to Parents about poor attendance 31: Display of CAT-I Marks. 29th Jan-4th Feb : Sports/Technical Events/Cultural Activities
	8	9	10	11	12	13	06	
	15	16	17	18	19	20	06	
	22	23	24	25	26	27	05	
	29	30	31				03	
Feb 2018				1	2	3	03	5 : Submission of assignment-I 13 : Mahashivratri 17/24 : Project Progress Seminar-4 19 : Shivaji Maharaj Jayanti 28 : Display of Cumulative Attendance, Provisional Detention list & Communicate to Parents
	5	6	7	8	9	10	06	
	12	13	14	15	16	17	05	
	19	20	21	22	23	24	05	
	26	27	28				03	
Mar 2018				1	2	3	02	1 : Display of Eligible Student List for CAT_II 3 : Holi 5 – 11 : CAT_ II Examination 09/10 : Technical Activities 14 : Display of Assignment-II 15 : Display of CAT_ II marks 21 : Submission of Assignment-II 17/24/31 : Parents meet
	5	6	7	8	9	10	06	
	12	13	14	15	16	17	06	
	19	20	21	22	23	24	06	

Priyadarshini College of Engineering, Nagpur

Sessional Examination 2018-19 (Odd Semester)

Office Order

PCE/Academic/Exam/2018-2019/3041 Date: 14/09/2018

For printing of Sessional Examination Question papers following committee has been constituted.

S.No.	Name of the faculty	Designation
1	Dr. (Ms). R.A. Keswani	Incharge, Associate Professor (Electrical Engg.)
2	Mr. A. Nilewar	Member, Assit. Prof. (Mechanical Engg.)
3	Mr. Satish Lokhande	Member, Assit. Prof. (Mechanical Engg)
4	Mr. Amit Kumar	Member, Assit. Prof.,(Computer Technology)
5	Ms. R. Jichkar	Member, Assit. Prof. (Elect. & Telecomm. Engg)

Responsibilities of Commitee

1) Soft copy of question papers will be handed over by the moderation committee to printing committee incharge.

2) Printing Committee will do the necessary formatting and will print the required number of question papers

3) Printed question papers will be handed over to the sessional Exam Incharge one hour prior to the commencement of the examination.

4) After Completion of the printing work all the soft copies and hard copies will be handed over to the Dean Academics

mpsingh

(Dr. M. P. Singh)
Principal

Copy to
1)Vice Principal for information
2)Dean Academics for information and necessary Action
3)All concern members

PRIYADARSHINI COLLEGE OF ENGINEERING, NAGPUR

B.E. Odd Semester Academic Calendar (2017_18)

Month	Day						No of Instructional days	Activities
	Mon	Tue	Wed	Thu	Fri	Sat		
June 2017				1	2	3		12 : Commencement of session 15 : Commencement of Classes 26:Ramzan Eid 30: Display of CAT-I Question Bank. 30 : Display of attendance
	5	6	7	8	9	10		
	12	13	14	15	16	17	03	
	19	20	21	22	23	24	06	
	26	27	28	29	30		04	
July 2017						1	01	15/22/29: Forum General Body Formation & Installation. 8/15: Final Year Project defining Seminar 22: Display of CAT-I Eligible students 23: Lokmanya Tilak Jayanti 24-29: CAT-1 Examination 29: Display of Assignment - I 29-31:Display of CAT - II Question Bank. 31- Display of cumulative Attendance and Communicate to Parents about poor attendance 31: Display of CAT-1 marks.
	3	4	5	6	7	8	06	
	10	11	12	13	14	15	06	
	17	18	19	20	21	22	06	
	24	25	26	27	28	29	06	
	31						01	
August 2017		1	2	3	4	5	05	1 : Lokmanya Tilak Punyatithi 5: Submission of Assignment-1, 7-12 : Submission of University Exam Form (as per University schedule) 12/26 : Parents meet 15 : Independence Day 17: Pateti 19/26 : Project Progress Seminar-I 25: Ganesh Chaturthi 26: Display of CAT- II eligible students. 28-5 Sept: CAT-II Examination 30: Mahalakshmi poojan 31: Display of Assignment- II 31- Display of Cumulative Attendance, Provisional Detention list & Communicate to Parents
	7	8	9	10	11	12	06	
	14	15	16	17	18	19	04	
	21	22	23	24	25	26	05	
	28	29	30	31			03	
Sept 2017					01	02	01	2: Bakri Id 6: Display of CAT-II marks 6: Submission of Assignment-II 16/23 : Project Progress Seminar-I 20: Pitrumoksha Amavasya
	04	05	06	07	08	09	06	
	11	12	13	14	15	16	06	
	18	19	20	21	22	23	05	

	25	26	27	28	29	30	01	28-30 Industrial visit for one week for VII Sem students 29 Display of Cumulative Attendance 30 Laxmanrajan Day/Holiday
Oct 2017	02	03	04	05	06	07	08	10th Founder's Day Celebration 11th week Sessional Exam 17 Display of Sessional Marks 17 Display of Cumulative Attendance 19/19/20 Diwali
	09	10	11	12	13	14	06	
	16	17	18	19	20	21	02	
	23	24	25	26	27	28		
	30	31						

1. Seminars/Guest Lectures/Industrial Visits/Training Programs/Professional Society activities to be conducted as per time table or in the last week of the month or on Saturday.
2. Programs like FDPs, STTPs, Workshops, Conferences etc for teaching faculty, training programs for non teaching & meeting of stake holders etc. to be conducted in the month of April to June and / or October to December 2017 preferably.
3. Improvement test for CAT-I, CAT-II & Sessional Exam to be conducted at departmental level within a week.
4. Make-up Classes/Remedial Classes to be conducted as per requirement.
5. Minor variations are permissible as per the program requirement.

Total Number of Working Days : **101** Total Numbers of Instructional Days : **98**

Date: 21.04.2017

PRIYADARSHINI COLLEGE OF ENGG. NAGPUR

mpsingh

Dr. M. P. Singh
Principal
Priyadarshini College of Engg.
Nagpur

Copy to: -
1. All Deans
2. All Hod(s): ME/Civil/Electrical/Aero/CT/IT/EN/ET/First year coordinator / Physics/ Chemistry/ mathematics/ Humanities for information and n.a.
3. Copy to website Incharge to upload.
4. Registrar Shift-I/Shift II, Assistant Registrar (Academic), Assistant Registrar (Account) for information and n.a.

Notice for moderation of Sessional Exam question papers

College of Engineering, Nagpur

NOTICE

PCE/Dean(Acd)/No.Conf:-

The meeting of the following SUBJECT EXAMINATION COMMITTEE will be held on the date and at hour stated below, in the meeting room, Department of Electronics and Telecommunication Engg. Priyadarshini College of Engineering, Nagpur.

Day and Date	Time	Subject Examination Committee in	Members
Thursday, 15/03/2018,		Electronics and Electronics and Telecommunication Engg(Board)	Dr. S.S.Shiramwar ,Dean Academics ,PCE and HOD EN(Chairman) Dr. S.W.Varade HOD E & Tc (Chairman) Co- opted Prof. Sony Chaturvedi ,PIET ,Nagpur Dr. A. D.Bijwe ,PIET ,Nagpur Mr. A.C.Kalluke ,PIET ,Nagpur Mr. V.V. Dabhade, PIET ,Nagpur Mrs. S.L. Parihar ,PIET ,Nagpur Mr. A. Motdhare ,PIGCE ,Nagpur Dr.(Mrs.) D.Thomson ,Humanities ,PCE Dr. V.K.Taksande, E&TC , PCE Dr. P.R.Rothe ,EN ,PCE Dr.(Mrs.)M.V.Vyawahare ,EN ,PCE Dr.(Mrs.)A.R.Kondelwr ,E&TC ,PCE Mrs. Y.A.Nafde, E&TC , PCE Mr.V.G.Giripunje ,E&TC , PCE Mr.O.G.Hastak , E&TC , PCE Mrs. P.J.Suryawanshi ,EN ,PCE Mr.C.N.Bhoyar ,EN ,PCE Mrs.K.M.Bogawar ,EN ,PCE Mrs.K.G.LOKHANDE ,Maths Dept ,PCE Ms.SIKKELWAL ,EL ,PCE

Important Instructions:-

1) The work of moderation shall be done continuously from 10.30a.m till all the papers are Moderated

2) All the question papers should be submitted along with model answers/scheme of marking as per the question paper set.

By order of Principal

AGENDA

Moderation of question papers and memorandum for the Sessional examination Summer 2018 Nagpur

Date : 12/03/2018

Principal PCE,Nagpur

Sample Moderated Sessional question paper

Priyadarshini College of Engineering, Nagpur

Sessional Examination (2017-18) (EVEN Semester)

B.E. All Branches Second Semester (CBS)

Materials Chemistry

P. Pages : 2

PCE/KS/18/BESII-3T/SET-II

Time : Two Hours Max. Marks : 40

P.C.E. (SUMMER - 2018)

Notes:

1. All questions carry marks as indicated.
2. Solve Question No. 1 OR Question No. 2.
3. Solve Question No. 3 OR Question No. 4.
4. Solve Question No. 5 OR Question No. 6.
5. Solve Question No. 7 OR Question No. 8.
6. Diagrams and chemical equations should be given whenever necessary.
7. Illustrate your answers whenever necessary with the help of neat sketches.
8. Use of non programmable calculator is permitted.

1. a) Calculate the gross and net calorific value of gaseous fuel at S.T.P. from following data obtained during the determination of calorific value using Boy's calorimeter. 4 [CO 1]
   i. Volume of gaseous fuel burnt at STP = 0.1 m^3
   ii. Weight of water used for cooling of combustion product = 27.5 kg
   iii. Weight of steam condensed = 0.025 kg
   iv. Temperature of incoming water = 25.5 °C
   v. Temperature of outlet water = 35.5 °C

   Assume heat liberated in condensation of water vapours as 587 kcal/kg.

   b) How biodiesel is obtained from vegetable oils ? Write down the advantages and disadvantages of the biodiesel. 03 [CO 1]

   c) Give the significance of ultimate analysis. 03 [CO 1]

OR

2. a) Discuss the various corrections applied during the determination of calorific value of solid fuel by bomb calorimeter. 04 [CO 1]

   b) Calculate G.C.V. and N.C.V. of a coal sample using Dulong's Formula having ultimate analysis results: C = 85%, H = 8%, N = 2%, S = 1% and Ash = 4%; the latent heat of condensation of vapour water is 587 cal/g kcal/kg. 03 [CO 1]

   c) How is biodiesel manufactured by trans esterification process. Discuss its properties and applications. 03 [CO 1]

3. a) A gas has the following composition by volume H_2 = 27 %, CH_4 = 3 %, CO = 25 % 08 [CO 3]

Record of Answer sheet Moderation

PRIYADARSHINI COLLEGE OF ENGINEERING, NAGPUR-19
SPOT VALUATION SUMMER-2018
RECORD OF PAPER MODERATION (EXTERNAL)

Department: Electrical

Date: 02/04/18

Sr. No.	Sem	Name of Subject	Name of Moderator	No. of copies moderated	Roll No.	Date of issue	Sign	Date of submission	Sign
1	VII	SGP	D.D. Phawale	10		02/04/18		02/04/18	
2	VII	EMAC-II	R.P. Dhote	07		02/04/18		02/04/18	
3	IV	M-IV	N. Chandel	12		02/04/18		02/04/18	
4	VIII	CAPS	Mrs. B.S. Dani	10		02/04/18		02/04/18	
5	6th	BEIM	Rajashree Hirekhan	10		02/04/18		02/04/18	
6	VII	EDS	C.S. Kamble	10		3/4/18		3/4/18	
7	VI	PSP	S.N. Agrawal	10		3/4/18		3/4/18	
8	IV	EVS	Dr. Pallam Shende	06		4/4/18		4/4/18	

Signature of Spot In-charge

Conduction of Examination at central level

PRIYADARSHINI COLLEGE OF ENGINEERING, Nagpur
Master Seating Plan (09:30am to 10:30am)

CAT – II Examination, Session 2017-18 Even Semester

Branch	IV Semester	VI Semester	VIII Semester
	A+ B	A + B	A + B
ELECTRICAL Engineering	101-135 ME-401	101-135 ME-408	101-131 ME-204
	136-161 ME-402	136-170 ME-410	132-158 ME-205
	201-209 ME-402	201-235 ME-411	201-208 ME-205
	210-244 ME-405	236-270 ME-201	209-243 EP-401
	245-279 ME-407	271-274 ME-204	244-268 EP-402

***EP: Electrical Building; *ME-Mechanical Building;**

Control Room- Mechanical Engg. Department, Second floor, Room No. 310 (MMM LAB)

Schedule of Class Assessment Test-2 (CAT-2) adhering to Academic Calendar

PRIYADARSHINI COLLEGE OF ENGINEERING

CAT - II: EXAMINATION (SESSION 2017-18) EVEN

Time: 9.30 a.m to 10.30 a.m.

SEMESTER - IV

Sr. No.	Name of the Branch	Date / Day	05-03-2018 Monday	06-03-2018 Tuesday	07-03-2018 Wednesday	08-03-2018 Thursday	12-03-2018 Monday
1	Computer Technology		Discrete Mathematics and Graph Theory	Data Structures & Program Design	Advance Microprocessor and Interfacing	Theory of Computation	Introduction To Main Frame Languages
2	InformationTechnology		Discrete Mathematics and Graph Theory	Algorithms and Data Structures	Theory of Computation	Computer Architecture and Organization	Object Oriented Methodology
3	Electronics Engineering		Applied Mathematics-IV	Power Devices And Machines	Electromagnetic Fields	Digital Circuits And Fundamental Of Microprocessor	Signals And Systems
4	Electronics & Telecomm		Applied Mathematics -IV	Power Devices And Machines	Electromagnetic Fields	Digital Circuits And Fundamental Of Microprocessor	Signals And Systems

SEMESTER - VI

Sr. No.	Name of the Branch	Date / Day	05-03-2018 Monday	06-03-2018 Tuesday	07-03-2018 Wednesday	08-03-2018 Thursday	12-03-2018 Monday
1	Computer Technology		Computer Graphics	Compute Network	Functional English	Embedded System Design	Softw Engin Projec Mana
2	Information Technology		Computer Networks	Operating Systems	Functional English	Internet Programming	Distri Mana Systems
3	Electronics Engineering		Microwave Engineering	Digital Signal Processing	Functional English	Digital Communication	Control System Engg.
4	Electronics & Telecomm		Telecommunication Switching Systems	Digital Signal Processing	Functional English	Digital Communication	Control System Engg.

SEMESTER - VIII

Sr. No.	Name of the Branch	Date / Day	05-03-2018 Monday	06-03-2018 Tuesday	07-03-2018 Wednesday	08-03-2018 Thursday	12-03-2018 Monday
1	Computer Technology		Data Warehousing And Mining	Cyber & Information Security	Cloud Computing	E - II Web Data Management	
2	Information Technology		Distributed Systems	Gaming Architecture And Programming	Embedded Systems	E-Commerce And Enterprise Resource Planning	
3	Electronics Engineering		Microelectromechanical Systems & Systems On Chip	Computer Communication Network	Cross Visi Design	E-II Wireless Sensor Network	E-III Data Compression & Encryptionelce
4	Electronics & Telecomm		Microwave & Radar Engineering	Computer Communication Network	Wireless & Mobile Communication	E - 2 Embedded Systems /DIGITAL Image Processing	E - 3 Satellite Communication

Note :

1) All the student must be in the college uniform along with R.F.I.D. cards.

2) All students must bring CAT copy.

3) For Eligibility, contact respective subject teacher , Class Teacher and Academic Coordinator.

4) Student not filled RTM Nagpur University form will not be allowed.

CAT-II Incharge

Dean (Acd)

Schedule of Sessional Examination adhering to Academic Calendar

PRIYADARSHINI COLLEGE OF ENGINEERING ,NAGPUR

EIGHTH SEMESTER B.E. (CREDIT BASED SYSTEMS) SESSIONAL EXAMINATION - 2018

Time : 2.30 p.m. to 5.30 p.m.

Sr. No	Name of Branch / Date	Wednesday 21/03/18	Friday 23/03/18	Monday 26/03/18	Wednesday 28/03/18	Saturday 31/03/18
1	Civil Engineering	Irrigation Engineering	Construction Economics & Finance	**Elective - II** 3. Pavement Analysis & Design	**Elective - III** 1. Advanced Reinforced Cement Concrete Design 5. Water & Waste Water Treatment	—
2	Electronics Engineering	Micro electro mechanical System & System on Chip	Computer Communication Network	**Elective - II** 1. Wireless Sensor Network	**Elective -III** 4. Data Compression & Encryption	CMOS VLSI Design
3	Electrical Engineering (Electronics & Power)	Switchgear & Protection	Computer Applications in Power System	**Elective - II** 4. EHV AC & HVDC Transmission	**Elective - III** 4. Electrical Distribution System	—
4	Elect. & Telecommunication Engineering	Microwave & Radar Engineering	Computer Communication Network	**Elective- II** 2 Embedded System 3 Digital Image Processing	**Elective - III** 3. Satellite Communication	Wireless & Mobile Communication
5	Mechanical Engineering	Automation in Production	Industrial Management	**Elective - II** 1. Finite Element Method 3. Refrigeration & Air Conditioning	**Elective - III** 1. Advanced I.C. Engine	Energy Conversion - III
6	Computer Technology	Data Warehousing & Mining	Cyber & Information Security	**Elective - III** 4. Web Data Management	**Elective - IV** 2. Cloud Computing	—
7	Information Technology	Gaming Architecture & Programming	Distributed Systems	**Elective - III** 1.Embedded Systems	**Elective - IV** 3. E-Commerce & Enterprise Resource Planning	—
8	Aeronautical Engineering	Air Transportation	Vibration & Aero Elasticity	**Elective - I** 3. Reliability Centered Maintenance	**Elective - II** 2. Airframe Maintenance & Repair	**Elective - III** 3. Computational Fluid Dynamics

HOD

Dean (Acd)