

**D Y PATIL**  
TECHNICAL CAMPUS  
FACULTY OF ENGINEERING  
FACULTY OF MANAGEMENT  
TALSANDE

(Approved by AICTE, New Delhi, Recognized by Government of Maharashtra & Affiliated to Shivaji University, Kolhapur)

*D Y Patil Education Society's*

# **D Y Patil Technical Campus**

**Faculty of Engineering Faculty of Management**

Talsande -416 112 Dist: Kolhapur

## **2.5.1 Mechanism of internal /external assessment is transparent and the grievance redressed system is time-bound and efficient**

### **Internal Assessment**

Policy of Academic Evaluation of students' performance

Policy D.Y. Patil Technical Campus Talasande is affiliated to Shivaji University Kolhapur. The entire degree course is of 4 years (8 semesters from first year to final year) and evaluation process is carried out at the end of each semester.

Before 2018-19, the academic evaluation of students' performance was done at the end of the semester through,

1. Semester end theory examination of 100 marks
2. Term work of 25 marks
3. Practical Oral examination of 25 marks.

conducted by university and also by conducting internal tests at college level.

The degree conferred was Bachelor of Engineering (BE).

Since 2018-19, University has adopted Choice based Credit System (CBCS) pattern. In which students are evaluated through continuous Internal Evaluation (CIE) and end semester theory examination (ESE) conducted by university. The degree conferred is Bachelor of Technology. (B. Tech)

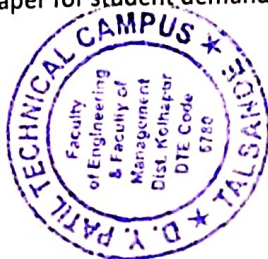
The CBCS pattern is of 30-70 marks. CIE of 30 marks and ESE of 70 marks.

Now as a part of CIE, the college has adopted the policy to evaluate students twice throughout the semester by conducting tests at college level. Each test is of 30 marks based on appropriate syllabus. The best of / average of all test together is considered as final CIE marks out of 30

ESE (theory) carries 70 marks and is conducted by university at the end of each semester

### **Procedure of CIE**

1. Conducted the CIE exam out of 30 Marks
2. To display the marks in classroom
3. Rechecking the paper for student demand.



*Satesh W*  
Director  
D.Y. Patil Technical Campus  
Faculty of Engineering & Faculty of Management  
Talsande, Tal. Hatkanangale, Dist. Kolhapur

CIE Question Paper



**D. Y. Patil Technical Campus, Talsande**  
 Faculty of Engineering & Faculty of Management  
 Talsande, Tal.-Hatkanagale, Dist.-Kolhapur - 416112

Department of Electrical Engineering

Continuous Internal Evaluation Test No. 1

Subject: Control System -I

Academic Year: 2022-23  
 Class: S.Y.B. Tech

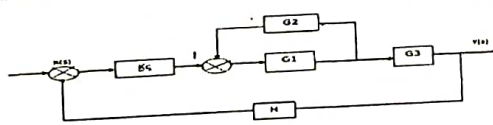
Semester: IV  
 Maximum Marks: 30

Day & Date: 24/03/2023 Friday

Time: 09.30am to 10.30am

Instructions:

1. All Questions are Compulsory.
2. Figures to right indicated full marks.
3. Draw neat and labelled sketch wherever necessary

Ques.	CO	Maximum Marks
<b>1. Attempt following questions.</b>		
a) Explain the Need of control system.	215.1	5
b) Define mathematical Model? State & explain types of mathematical model.	215.1	5
<b>OR</b>		
Find overall transfer function of the given system by Block diagram reduction technique		
	215.1	5
<b>2. Attempt following questions.</b>		
a) Explain First order System	215.2	5
<b>OR</b>		
Derive expression for $T_p$ , $T_r$ , $T_d$ , and Maximum Peak Overshoot?	215.2	5
b) Explain Analysis of Second order system	215.2	5
<b>3. Attempt following questions.</b>		
a) Compare Open loop and closed loop control system.	215.1	5
b) Write a Short Note on Armature DC Servomotor	215.1	5



Sample Answer Sheet



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**D. Y. PATIL TECHNICAL CAMPUS**  
 FACULTY OF ENGINEERING & FACULTY OF MANAGEMENT  
 Talsande, Tal. Hatkanangale, Dist. Kolhapur

Academic Year : 2022-2023	Semester : III	Date : 24-03-23
Branch / Programme : Electrical	Subject Code :	
Roll No. : 2005	PRN No. :	
Course / Subject Name : Control System - I	Dated Sign of Supervisor : <i>[Signature]</i>	

Q.No.	Marks by Examiner							
	1	2	3	4	5	6	7	8
CO								
a	03	01						
b	03	03	05					
c								
d								
e								
Total	06	04	05					
Obtained Mark	15			<i>[Signature]</i> Name & Dated Sign of Examiner				
Out of Mark	30							

Q.No. 1. Attempt following questions.

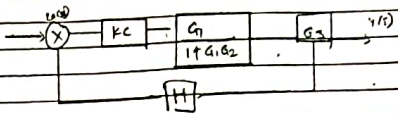
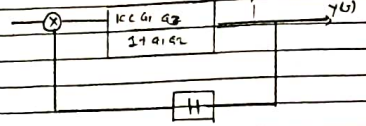
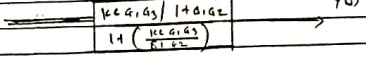

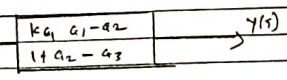
a) Explain the need of control system.

→ The need of control system is very important for our 'growing technology'. It is the main part of control system.

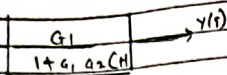
- The control system is command to "Device that manage command direct or regulate the behaviour of the device or system to achieve the desired result."

Now the day's the technology is growing very fast that's need to control or command / direct the technology for that reason the need of control system is important.



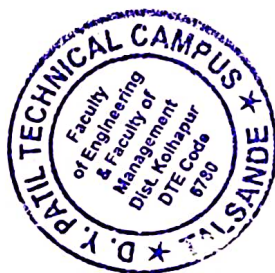
<p>→ b) Define mathematical model.</p>	<p>Q.2 Attempt following question.</p>
<p>The mathematical model represent the 'electrical Design' is know as mathematical models.</p> <p>There is same type of mathematical model.</p>	<p>a) Explain first order system.</p> <p>The first order system is the system that can be represent the system by the order using same parameter / device / system. that is</p>
<p>Types of mathematical model -</p>	<p>01</p>
<ul style="list-style-type: none"> <li>- Electrical</li> <li>- Mechanical</li> <li>-</li> <li>-</li> </ul>	<p>→ b) </p>
<p>• Mechanical Model -</p> <p>The mechanical system there is two part i.e. - linear system, - variable system (Desirable)</p>	<p></p>
<p>- Linear system -</p>	<p></p>
<p></p> <p>03</p> <p>Fig. Linear system</p>	<p></p>





Q.3 Attempt the following question.

→ a)	open loop control system	Closed loop control system
1)	The open loop control system the feedback path is absent.	The closed loop control system the feedback path is always present.
2)	An error detector is not present.	An error detector is always present.
3)	it is stable one.	it is unstable.
4)	it is easy construction.	it is difficult to construction.
5)	it is economical.	it is too costly.
6)	there is a small bandwidth.	there is a larger bandwidth.
7)	it is inaccurate.	it is more accurate.
8)		
9)	application - - washing machine - Hair dryer	application - - Air conditioner - electric iron



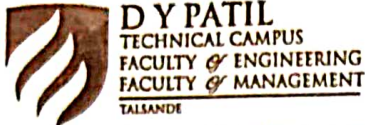
6) write a short note on armature DC  
Series motor.

→ The armature DC Series motor  
consist of the armature.

(1)



Salesw  
Director  
D.Y. Patil Technical Campus  
Faculty of Engineering & Faculty of Management  
Talsande, Tal. Hatkanangate, Dist. Kolhapur



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# D Y Patil Technical Campus

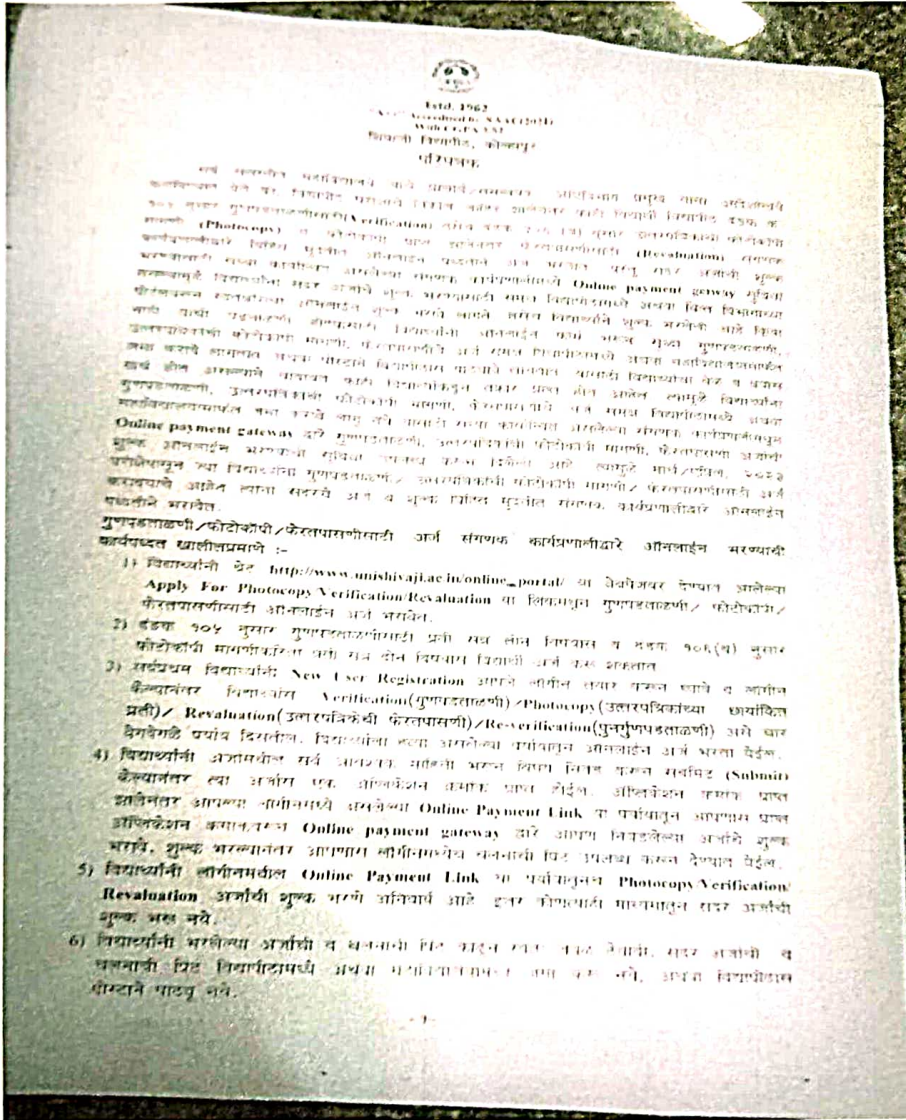
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Talsande -416 112 Dist: Kolhapur

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External Assessment

University Notice



*Saleshw*  
**Director**  
D.Y. Patil Technical Campus  
Faculty of Engineering & Faculty of Management  
Talsande, Tal. Hatkanangale, Dist. Kolhapur

7. विद्यार्थियों को ऑनलाइन रूप में (http://www.maharajprajayonlineportal) या  
विद्यार्थीसहायक (Helpdesk) को सहायता हेतु ईमेल पर File Format को उपलब्ध करवा  
देना

8. विद्यार्थियों को ऑनलाइन रूप में (Phycaps) को सहायता हेतु ऑनलाइन पोर्टल पर  
विद्यार्थीसहायक (Helpdesk) को सहायता हेतु ईमेल पर File Format को उपलब्ध करवा  
देना

9. विद्यार्थियों को ऑनलाइन रूप में (Phycaps) को सहायता हेतु ऑनलाइन पोर्टल पर  
विद्यार्थीसहायक (Helpdesk) को सहायता हेतु ईमेल पर File Format को उपलब्ध करवा  
देना

10. विद्यार्थियों को ऑनलाइन रूप में (Phycaps) को सहायता हेतु ऑनलाइन पोर्टल पर  
विद्यार्थीसहायक (Helpdesk) को सहायता हेतु ईमेल पर File Format को उपलब्ध करवा  
देना

विद्यार्थियों को ऑनलाइन रूप में (Phycaps) को सहायता हेतु ऑनलाइन पोर्टल पर  
विद्यार्थीसहायक (Helpdesk) को सहायता हेतु ईमेल पर File Format को उपलब्ध करवा  
देना

लेखा मंडल के अध्यक्ष द्वारा महाविद्यालयिक एवं विद्यापीठ, गीर्वाण विभाग व विद्यार्थी  
सहायक विभाग विद्यार्थीसहायक विभाग के माध्यम से कार्य करावे।

(हस्ताक्षर)

सहसंचालक

गीर्वाण व मुख्यमार्ग मंडल

मा. प्र. विद्यापीठ वि. गीर्वाण/काम/वीडियो/1.5.23

दिनांक 07 JUL 2023

- 1) मा. प्राचार्य/सहायक, एवं सहायक महाविद्यालयिक/सहायक, विद्यापीठ विभाग, कोल्हापुर
- 2) मा. अधीक्षक/सहायक/सहायक, एवं अधीक्षक, विद्यापीठ विभाग, कोल्हापुर

- प्रति :-
- 1) सहायक महाविद्यालयिक, मा. प्र. विद्यापीठ, मा. प्र. विद्यापीठ, मा. प्र. विद्यापीठ, मा. प्र. विद्यापीठ, गीर्वाण व मुख्यमार्ग
  - 2) सहायक महाविद्यालयिक व सहायक महाविद्यालयिक (गीर्वाण विभाग)
  - 3) सहायक महाविद्यालयिक
  - 4) लेखा मंडल विभाग
  - 5) आय.डी. सेल विभाग (सहायक महाविद्यालयिक विभाग से कार्य करावे)
  - 6) इंटर्नेट विभाग (सहायक महाविद्यालयिक विभाग से कार्य करावे)





## Application form for photocopy

SHIVAJI UNIVERSITY, KOLHAPUR

Application form for Photo-stat Copy/Copies of Answer-Books of Examinees at University Examinations  
(Subject to the provisions of Ordinance 106 (B))



Application No. : 2305203347 PRN No. : 2021079275 Seat No. : 2506

To,

DIRECTOR, BOARD OF EXAMINATION & EVALUATION  
SHIVAJI UNIVERSITY,  
KOLHAPUR - 416004

Sir/Madam,

I request you for Photo-stat copy/copies of my paper/s detailed below of the Examination of March - 2023 .  
The prescribed fee of Rs. 150/- (which is not refundable) for each paper has been paid by me through Online /Cash Rs. \_\_\_\_\_ bearing No. \_\_\_\_\_ the receipt of which is attached herewith

### 1. My particulars are as follows:

Full Name : PATIL GAJENDRA SAMBHAJI  
Correspondence : A/P Kakhe Taluka, Parbhala, District: Kolhapur.  
Address

Kolhapur-416114  
Mobile: 9028419692

Dist: Kolhapur (Maharashtra)  
Email: gajendrapatil9692@gmail.com

### 2. Particulars of Examination Sem./Part: B.Tech CBCS Part 2 Semester 4

Course : K276-[1154] B.Tech. CBCS Branch: COMP  
College : D.Y. Patil Edu. Society's D.Y. Patil Tec. Campus/Faculty of Engg

Details of the subject of which Photo-stat copy/copies required			If Applicable
Name of the Subject	Part Sem No	Marks Obtained	Q. Paper Code No.
[79141] Computer Organization and Architecture	4	18	
[79139] Automata Theory	4	16	
[73280] Microprocessors	3	13	
[73276] Applied Mathematics	3	13	

Fees Rs. :600 Receipt No. : Date. : Transaction/DDNo.:

### 3. I herby solemnly undertake :

- That the Photo-stat copy/copies will not be used by me as an instrument to defame or malign the University Valuation system through media, or by any means
- That I am aware of the fact that the University shall not be responsible for delay due to postal Services in supply of photo-stat copy/copies
- Last date for Submission of Final Application is 04/08/2023

Date: 24/07/2023

Yours faithfully

PATIL GAJENDRA SAMBHAJI

- Note : 1) This application must accompany the photo copy of mark list.  
2) The Regular candidate should submit this application form through the Principal of the concerned College.  
3) The External candidate should submit this application form alongwith the requisite fees directly to the Controller of Examinations, Shivaji University, Kolhapur.



Payment Receipt

SHIVAJI UNIVERSITY, KOLHAPUR

Payment Gateway Receipt

Receipt No. : 54181 UTR No. : AXI3895f511b54b41449a3927289f497885  
Receipt Date : 24-07-2023 App. No. : 2305203347  
University PRN : 2021079275  
Student Name : PATIL GAJENDRA SAMBHAJI  
Mode of Instrument : Online  
Examination : [1154] B.Tech. CBCS

Sr.No.	Particulars	Amount(Rs.)
1	PhotoCopy	600
	Total(Rs.)	600

सूचना:- विद्यार्थ्यांनी अर्जाची व चलनाची पावती पिट काढून स्वतः जवळ ठेवावी. विद्यार्थ्यांनी अर्ज विद्यापीठावरचे जमा करू नये अथवा पोस्टाने पाठवू नये.

Computer generated receipt , Signature not required.



## Apply online portal

The screenshot shows a web browser window with the URL [unishivaji.ac.in/online\\_portal/](http://unishivaji.ac.in/online_portal/). The page features a navigation menu with links: HOME, ABOUT US, ACADEMICS, GOVERNANCE, ADMISSION, STUDENTS, RESEARCH, IQAC, QUICK LINKS, INCUBATION CENTER, INTERNATIONAL STUDENTS, and NEP 2020. The main heading reads "Welcome to Shivaji University - Exam Portal". Below this, there are three columns of links:

Links for Students	Links for Colleges/Departments	Links for Colleges/Cluster
<p>OCT 2023 -Registration for Regular Fresh Students Only</p> <p><a href="#">Download HallTicket For MARCH-2023 Examination</a></p> <p><a href="#">Apply for Photocopy/Verification/Revaluation</a></p> <p><a href="#">Important link for Ph.D. Admitted Students, 2021 onwards</a></p> <p><a href="#">Student Grievance Portal</a></p> <p>संशोधित महाविद्यालय एम. एस्सी. प्रवेश प्रक्रिया करीत आणखण शिकव</p>	<p>Generic Elective Subject Entry (Course - M.Sc., M.Sc. Geography) (Use College/Department Icon)</p>	

The Windows taskbar at the bottom shows the date as 8/6/2023 and the time as 2:33 PM.

शिवाजी विद्यापीठ, कोल्हापूर  
**SHIVAJI UNIVERSITY, KOLHAPUR**  
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NAAC "A++" Grade with CGPA 3.52

### Log In

Enter PRNNO

Password

[New User Registration](#)

[Forgot Password ?](#)





# शिवाजी विद्यापीठ, कोल्हापूर SHIVAJI UNIVERSITY, KOLHAPUR

Est'd 1963 - recognized by UGC U/o 2(f) and 32 (B)  
NAAC "A++" Grade with CGPA 3.52

**Verification (गुण पडताकणी)**

गुण : २० (१० टिकाई विना टिकाईनासत) मंडळ प्रमाण वेळापत्रकात गुण १० टिकाईनासत.

**Photo Copy (प्रमाणित केलेले प्रत)**

गुण : २० (१० टिकाई विना टिकाईनासत) मंडळ प्रमाण वेळापत्रकात गुण १० टिकाईनासत.

**Revaluation (पुनरापडवणे)**

गुण : २० (१० टिकाई विना टिकाईनासत) मंडळ प्रमाण वेळापत्रकात गुण १० टिकाईनासत.

**Re-verification (पुनरापडवणे वी पुनः गुण पडताकणी)**

गुण : २० (१० टिकाई विना टिकाईनासत) मंडळ प्रमाण वेळापत्रकात गुण १० टिकाईनासत.

**Student PhotoCopy Feedback**

सुचना : प्रमाणित केलेले प्रत गुण १० टिकाईनासत.

**Student Revaluation Justification**

**Update Bank Details**

**Online Payment Link**

**Logout**

**Note: Once you submit request, you are not allowed to modify/cancel the request.**

Form No:

Student Name: (7011) SA. S. NUNDA S.A.M.B.H.A.J. Branch Name: CUMT

Course Name: B.Tech. - 411441 B.Tech. CBCS Semester: B.Tech. CBCS Part 2 Semester 4

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**Verification Application Status** Application Number: \_\_\_\_\_

Serial/Part No.	Subject Code	Subject Name (Obtained Marks)	Stage 1	Stage 2	Stage 3
No data to display					

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**Photo Copy Application Status** Application Number: 2105201347

Serial/Part No.	Subject Code	Subject Name (Obtained Marks)	Stage 1	Stage 2	Stage 3	File 1	File 2
1	7505	(73275) Applied Mathematics ( 15 )	Received 24/07/2023	Ready 03/08/2023	Uploaded 03/08/2023	File 1	
3	7509	(73280) Mathematics ( 15 )	Received 24/07/2023	Ready 03/08/2023	Uploaded 03/08/2023	File 1	
4	7506	(70139) Automata Theory ( 15 )	Received 24/07/2023	Ready 02/08/2023	Uploaded 02/08/2023	File 1	
4	7508	(70141) Computer Organization and Architecture ( 15 )	Received 24/07/2023	Ready 02/08/2023	Uploaded 02/08/2023	File 1	

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**Revaluation Application Status** Application Number: 2105301688

Serial/Part No.	Subject Code	Subject Name (Obtained Marks)	Stage 1	Stage 2	Final Marks	Stage 3
1	7505	(73275) Applied Mathematics ( 15 )	Awaiting For Payment			
3	7509	(73280) Mathematics ( 15 )	Awaiting For Payment			
4	7506	(70139) Automata Theory ( 15 )	Awaiting For Payment			
4	7508	(70141) Computer Organization and Architecture ( 15 )	Awaiting For Payment			

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**Reverification Application Status** Application Number: \_\_\_\_\_

Serial/Part No.	Subject Code	Subject Name (Obtained Marks)	Stage 1	Stage 2	Final Marks	Stage 3
No data to display						

*Sateshw*  
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D.Y. Patil Technical Campus  
Faculty of Engineering & Faculty of Management  
Talsande, Tal. Hatkanangate, Dist. Kolhapur