CAYMET's

SIDDHANT COLLEGE OF ENGINEERING, SUDUMBARE

Department of Mechanical Engineering

Assignment 1

Sub: Quality & Reliability Engg
Sub Code: 402050A
Faculty In-charge: Mr. Ashish H Raut

Date:- 24/03/2022
Class:- BE (MECH)
Max Marks:20

1	a	Explain Poka yoke with example.	3	CO1
	b	Enlist 7 tools of Quality. Explain Ishikawa diagram with neat sketch	4	CO1
	c	Write short note on TS16949.	3	CO1
2	a	Write short not on OC curve and its characteristics	3	CO2
	b	The given table shows the number of defectives found in inspection of 10 lots of 100 items each. Determine the control limits for appropriate chart and state whether the process is in control.	4	CO2

Draw the control chart.

Lot no	1	2	3	4	5	6	7	8	9	10
No of Defectives	6	3	1	4	3	0	5	5	2	3

	c	Six hundred bicycle mudguards were observed for point defect- air bubble, scratch, foreign particles, etc. In all 1200 defects were found in 600 mudguards. What type of control chart be used here ? If sample size is 10 , what will be the limits	3	CO2

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Siddhant College of Engineering, Sudumbare

Department of Mechanical Engineering

Assignment 1

Date:-24/03/2023

Class: BE Mech

SEM-VIII (AY 2022-23)

Sub:- Q & RE

Marks:-20

Roll No.	Name of student	Marks	Sign
1	ABHISHEK KUMAR YADAV	12	
2	AKASH DADASO JADHAV	10	
3	ANIKET DATTATRAYA SASE	15	
4	ANIKET SHIVAJI SAPNAR	11	
5	ANKIT GUPTA	11	
6	AOUDUT PRAVIN RAVASAHEB	14	
7	ASHUTOSH BAPUSAHEB TOUNDKAR	13	
8	AWAGHADE ATISH SHANKAR	13	
9	BHARAT BARKU BORYE	10	
10	BIDAYE YASH RAMCHANDRA	11	
11	CHAUDHARI ANUP HIRALAL	17	
12	CHAVHAN ASHWINI SUKHDEV	16	
13	DADASAHEB NANASAHEB PAWAR	11	
14	DAHIVALKAR PUJA PRAVIN	13	
15	DAUNDKAR RAJKUMAR BALASAHEB	12	
16	DESHMUKH AKASH SAMPAT	10	
17	DINDE ARJUN YASHWANT	10	
18	DIPAK PRADIP KUSUMKAR	12	
19	DIXIT PRASHANT MANIKRAO	13	
20	GADE ADESH BALASAHEB	13	
21	GADE SANTOSH SARJERAO	14	
22	GAIKWAD KUNDAN KISHOR	12	
23	GANESH TULSHIDAS KUMBHAR	11	
24	GAVHANE AUDUMBAR BALIRAM	12	
25	GAWADE AJAY MOHAN	15	
26	GHARE SAGAR VITTHAL	11	
27	GHURE DILIP DATTATRAY	11	
28	GUPTA KRISHNA DINESH	11	
29	HIRATOT SHRISHAIL NAGESHI	08	
30	JADHAV SHUBHAM RAJENDRA	12	
31	JADHAV SIDDESH KAILAS	11	
32	JARHAD MAYUR POPAT	12	
33	KADAM AJINKYA BALIBA	11	
34	KAMBALE NAGANATH BHARAT	10	
35	KAMTIKAR RAHUL BABULAL	11	

Siddhant College of Engineering, Sudumbare

Department of Mechanical Engineering

Assignment 1

Class: BE Mech

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Sub:- Q & RE

SEM-VIII (AY 2022-23)

Marks:-20

Roll No.	Name of student	Marks	Sign
36	KSHIRSAGAR SADHANA SHANTUNG	12	
37	KUMBHAR MADHAV TULASHIDAS	13	
38	KUMBHAR NARAYAN KALLAPPA	16	
39	LINGADE UMESH DILIP	11	
40	MANDALE SUNIL HARIBHAU	11	
41	MANE AKSHAY RAMLING	15	
42	MANE TRUPTI JITENDRA	16	
43	MANISH UMESH MOURYA	09	
44	MANSI DEEPAK KOKANE	11	
45	MORE PRASAD DHARMARAJ	11	
46	NAGARE NIKITA SUDHIR	11	
47	NIDVANCHE ASHISH BHIM	12	
48	PALKAR RUSHIKESH FULCHAND	13	
49	PANASKAR SAYALI BAJIRAO	14	
50	PARASHRAM PANDURANG PATIL	10	
51	PATIL JITENDRA VASANT	15	
52	PATIL SHUBHAM RAJENDRA	13	
53	PAWAR CHANDRAKANT KAILAS	10	
54	PRIYANKA RAMESH SURYAWANSHI	11	
55	ROHIT SANDEEP SAWANT	10	
56	SAGAR SANJAY JADHAV	10	
57	SAIPRASAD NANDKUMAR SHINDE	12	
58	SANKET SANDEEP PATIL	13	
59	SATALE AVINASH HARISHCHANDRA	15	
60	SATHE DHANANJAY DNYANESHWAR	08	
61	SHAHIL PAWAR	13	
62	SHINDE GANESH BALASO	12	
63	SHINKAR PRATIK VIJAY	13	
64	SUTAR RUSHIKESH HANUMANT	12	
65	TAKBHATE SHUBHAM JAGADISH	11	
66	TELGOTE NILESH DEORAO	12	
67	UGWEKAR DHANANJAY SHRIKRISHNA	14	
68	VICHARE PRATHAMESH DIPAK	17	
69	WANKAR JAYESH RAMESH	13	
70	YASIN RAMJAN MUJAWAR	12	

Prof A H Raut

Subject Teacher

15/20 A+

Page No.
Date

Name - AKSHAY Ramling Mane

Roll NO - 41 (Fourty one)

Day - 24/03/2023

Subject - Quality & Reliability Engg.

Assignment No - 01

Q.1	Q.2
08	07

Sub: Quality & Reliability Engg.

Assignment 1.

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Q 1)

a) Explain Poka Yoke example?

→ Poka yoke is Japanese term that means mistake-proofing or error proffing or avoiding 'inadvertent errors'.

It refers to any mechanism or process that is designed to prevent mistakes or errors from occurring in a system. The goal of poka yoke is to improve the quality and reliability of a system by reducing the likelihood of errors and defect. Under the principle of poka yoke the method of preventing errors in the process and making them human independent as far as possible are the work for this a standard operation procedure or the SOP is written so that the errors are minimal and there is a consistency in the performance.

The process runs as per the written down method of working that is the SOP The process performance are measured by periodic audit with or without a checklist. The process can also be measured by the control chart.

These are the method which measure and record whether the process or the product is as per the specification and within the normal or outside it.

In case the product service or the process is not as per norm and outside the control limit ; suitable warning mechanism as well as the corrective measure have to be taken to first stop the process further in terms of the product and the service is as per the desired performance level.

The identification of occurrence of the error or the mistake issuing warning signals stopping the machine or the process back to the desired performance level can be done manually

The permanency of control mechanism increses manifold as we move from manual to automation. The objective of poka yoke to prevent errors in the process and make them human independent for as possible. The movement the process stops producing product outside the control limit, the sensor in automatic in-process gauging system senses the error and stop the machine and simultaneous store a warning mechanism in the form of a hooter or warning red light.

2. Auto e-mail generation for meeting deadline
2. Automatic regression testing
3. Drop down menu
4. pop up menu for wrong entry
5. Auto validation check for incorrect field.

Q(b) Enlist 7 tools of quality. Explain Ishikawa diagram with neat sketch?

→ The old seven quality tools are

1) check sheets
2) flow charts
3) Histograms
4) pareto chart
5) cause and effect diagram / Ishikawa diagram
6) Scatter Diagram
7) control charts

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Ishikawa diagram

Ishikawa diagram are also called fishbone diagram herringbone diagram of cause and effect diagram. Ishikawa diagram are causal diagram that show cause of certain event created by kaoru Ishikawa common use of Ishikawa diagram are product design and quality defect prevention, to identify potential factor causing an overall effect. Each cause or reason for imperfection is a source of variation cause are usually grouped into major categories

1) People :- Anyone involved with the process

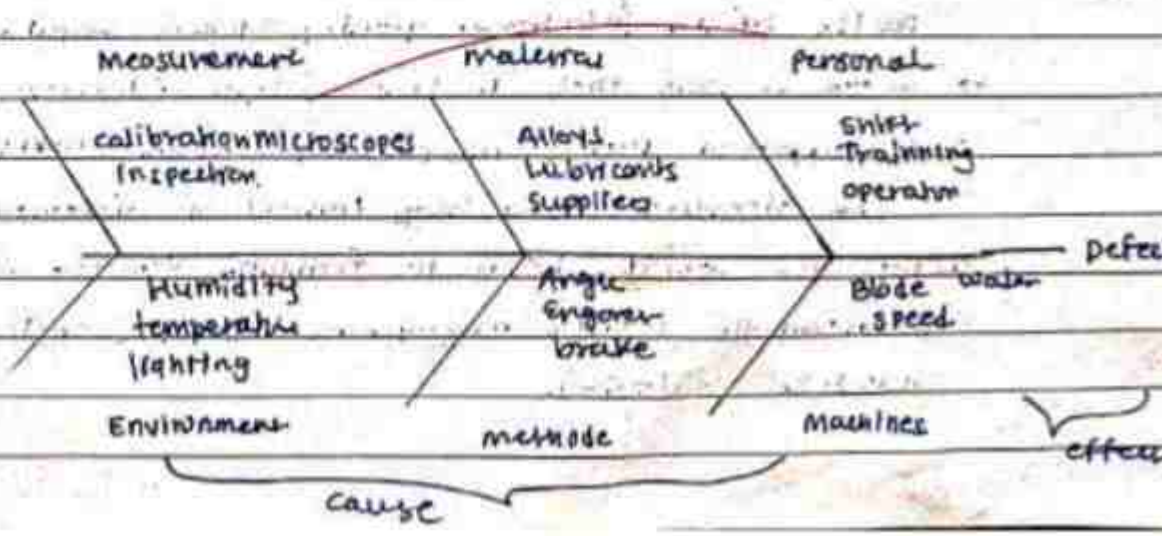
2) Method :- How the process is performed and the specific requirement for doing it such as policies, procedure, rules regulation & laws

3) machines :- Any equipment, computer, tools etc required to accomplish the job

4) material :- Raw material pose, pens, paper etc. used to produce the final product

5) measurement :- Data generated from the process that are used to evaluate quality

6) Environment :- The condition such as location time, temperature and culture in which the process operates



causes in the diagram are often categorized as machines, method, material man power, measurements, environment. cause & effect diagram can reveal key relationship.

(c) Write a short note on TS16949

ISO/TS 16949 - 2000 is an ISO technical specification manual for aligning automotive quality systems. Standard of most International automobile companies.

The goal of the standard is to develop a quality management system that provides for continual improvement, emphasizing defect prevention and reduction of waste and variation in supply chain.

It is meant to eliminate the need for multiple certification to satisfy customer needs. The standard was developed by ISO and the International Automotive Task force (IATF).

IATF is an adhoc body of well known Automobile companies of the world including BMW, Daimler chrysler, Ford Renault volkswagen etc.

The requirement of the standard apply to design development production, installation & servicing of automobile related product the format of TS16949.

Beside defining International quality system requirement for automotive core tools in the context of improved quality, part approval process measurement system analysis etc.

The standard has a huge impact on automotive industry across the world because it formulate under a single global standard the quality management system requirement that must be satisfied.

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Q(2)

(a) Write short note on OC curve and its characteristics?

→ Following types of risks are associated with acceptance sampling.

i) Producer Risk.

ii) Consumers Risk.

i) Producer Risk:- Sometimes it happen that inspite of good quality the sample taken may show defective units and the entire lot is rejected.

Inspite of good quality the lot is rejected, such type of risk of rejection is known as producer risk.

ii) Consumer Risk:-

Sometimes it may happen the lot quality of the lot is not good but the samples picked up at randomly resulted good quality units as such the consumer has to accept a defective lot.

Such risk is known as consumer risk.

In other word the probability of accepting a lot which has actually been satisfactory by the consumer according to predetermined standard is known as consumer risk. Thus the risk of accepting a lot of bad items is known as consumer risk.

The consumer & producer both decide the acceptance standard of the lot. This is known as acceptable quality level (AQL) or lot of Tolerance percentage Defective (LTPD)

100% percent inspection is not cost effective & not possible in mass production hence it is desirable to use Sampling Inspection in which acceptance or rejection of complet lot or batch is based on the results obtained from sample.

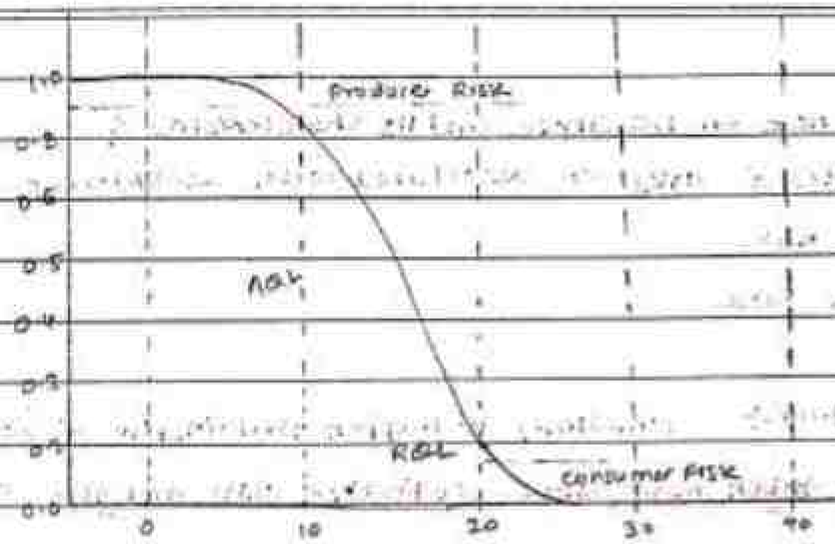
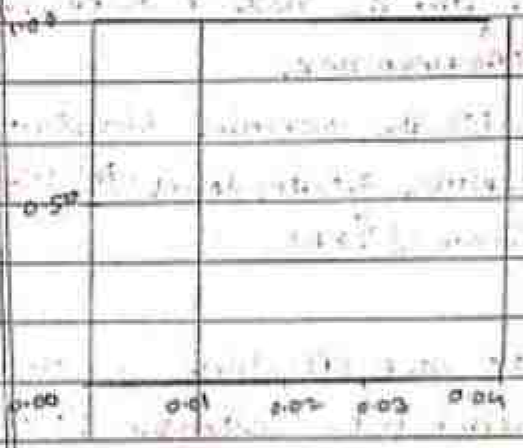
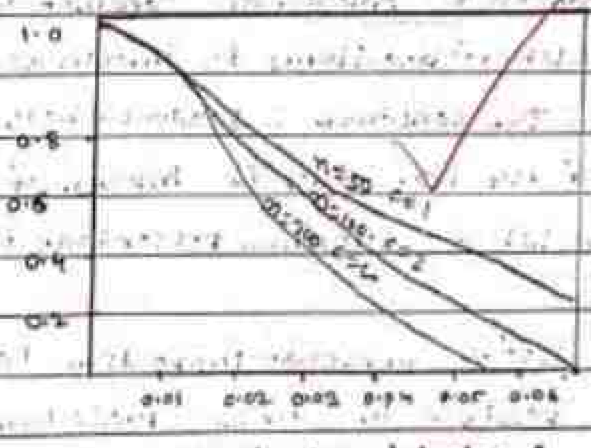


Fig. Show OC curve with an AQL of 0.9 percent defect if 0.1) a RQL of 0.8 producer Risk of 0.1 consumer risk of 0.1 sample size of 86 and acceptance number of 12

Each of criteria can have a profound effect on the other for developing a sampling plan that balance cost & ensure Risk. while your initial reaction may be that this is not applicable to DOD testing the same principle for creating OC curves can helpful for certain types of DOD testing. OC curve practical graphic method to understand criteria, alpha, beta, delta.





(b) The given data table shows that the number of defective found in inspection of 10 lots of 100 items each. Determined the control limits for appropriate chart and state whether the process is in control.

Lot of no	1	2	3	4	5	6	7	8	9	10
No of Defectives	6	3	1	4	3	0	5	5	2	3

→ given data $n = 100$ no. of lot $= 10$

$$\bar{p} = \frac{\text{Total number of defective}}{\text{Total number of inspected lots}}$$

$$= \frac{6+3+1+4+3+0+5+5+2+3}{100 \times 10}$$

$$\bar{p} = 0.032$$

step 2. calculate the upper & lower control p- chart

$$(UCL)_p = \bar{p} + 3 \times \sqrt{\frac{\bar{p}(1-\bar{p})}{n}}$$

$$(UCL)_p = 0.032 + 3 \times \sqrt{\frac{0.032(1-0.0032)}{100}} = 0.0848$$

and $(LCL)_p = \bar{p} - 3 \sqrt{\frac{\bar{p}(1-\bar{p})}{n}}$

$$= 0.032 - 3 \times \sqrt{\frac{\bar{p}(1-\bar{p})}{n}}$$

$$= 0.032 - 3 \times \sqrt{\frac{0.032(1-0.032)}{100}}$$

$$(LCL)_p = -0.0208$$

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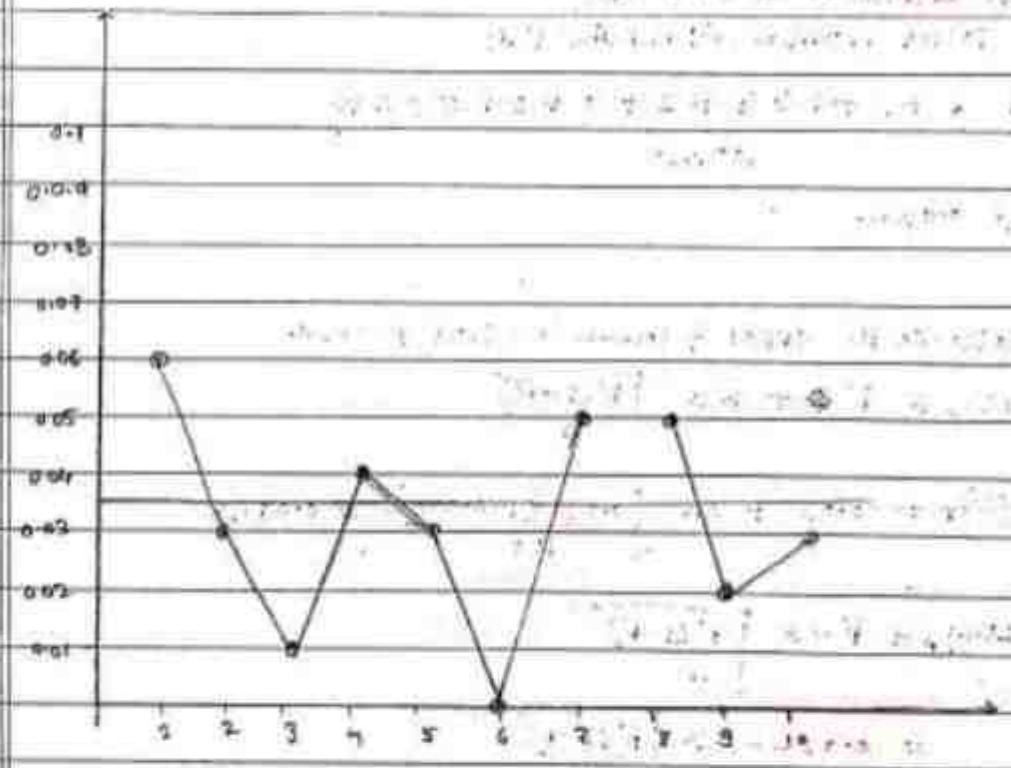
calculate the value of fraction defectives for each lot

fraction defective = $\frac{\text{No. of defective Jobs}}{\text{No. of Jobs Inspected}}$

$= \frac{6}{100} = 0.06$

fraction defective$_2$ $= \frac{3}{100} = 0.03$

Lot No	1	2	3	4	5	6	7	8	9	10
No. of defective	6	3	1	4	3	0	5	5	2	3
fraction defective	0.06	0.03	0.01	0.04	0.03	0	0.05	0.05	0.02	0.03



(c) Six hundred bicycle mudguards were observed for paint defect - air bubble scratch, foreign particles, etc. In all 1200 defects were found in 600 mudguards. What type of control chart be used here? If sample size is 10, what will be the limits.

(c)
No of defects = 1200 } u-charts
Sample size $n = 10$
No. of items inspected $m = 600$

$$\bar{u} = \frac{c}{m} = \frac{1200}{600} = 2$$

$$UCL = \bar{u} + 3\sqrt{\frac{\bar{u}}{n}}$$

$$= 2 + 3\sqrt{\frac{2}{10}} = 3.3414$$

$$LCL = 2 - 3\sqrt{\frac{2}{10}} = 0.6583$$

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Department of Mechanical Engineering

Assignment 2

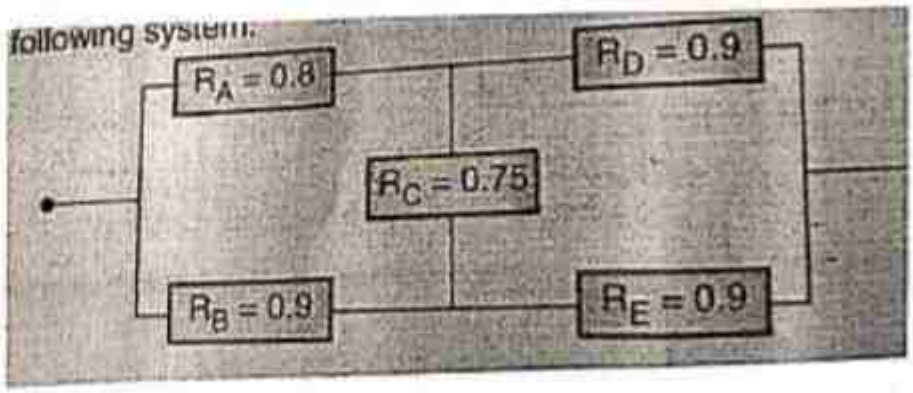
Sub: Quality & Reliability Engg
Sub Code: 402050A
Faculty In-charge: Mr. Ashish H Raut

Date:-20/04/2023
Class:- BE (MECH)
Max Marks:20

1	a	Define And Explain i) Failure Density ii) Hazard Rate	2	CO3
	b	Explain different laws of Probability with examples	4	CO3
	c	The tests are conducted on 500 screws and results are tabulated as given below. Find Failure density, Hazard rate of the screw.	4	CO3

Time Interval (hrs)	0-10	10-20	20-30	30-40	40-50
No. of failed screws	174	126	85	75	40

2	a	Find the reliability of the system using conditional Probability method	4	CO4



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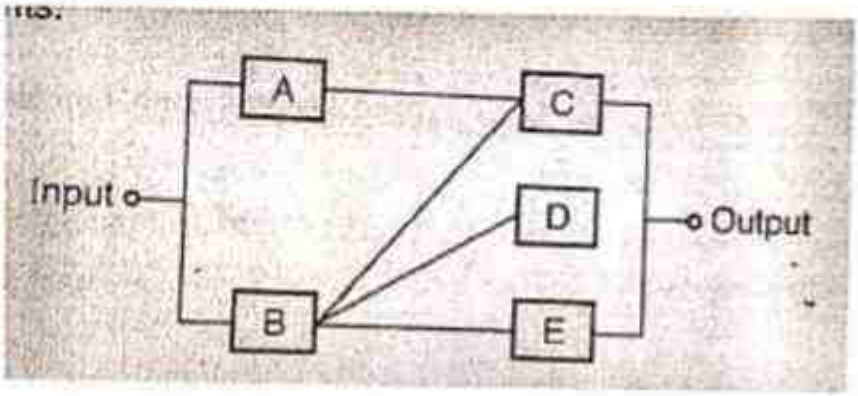
Department of Mechanical Engineering

Assignment 2

b	Find the reliability of the system shown in fig using cut set method. Also draw equivalent block diagram using minimal cut set element.	4	CO4



c	What is reliability allocation? Write the advantages of reliability allocation method.	2	CO4

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Assignment 2

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Marks:-20

Roll No.	Name of student	Marks	Sign
1	ABHISHEK KUMAR YADAV	13	
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33	KADAM AJINKYA BALIBA	12	
34	KAMBALE NAGANATH BHARAT	11	

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Assignment 2

Date:-20/04/2023

Class: BE Mech

SEM-VIII (AY 2022-23)

Sub:- Q & RE

Marks:-20

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36	KSHIRSAGAR SADHANA SHANTLING	12	
37	KUMBHAR MADHAV TULASHIDAS	14	
38	KUMBHAR NARAYAN KALLAPPA	15	
39	**LINGADE UMESH DILIP**	07	
40	MANDALE SUNIL HARIBHAU	12	
41	MANE AKSHAY RAMLING	13	
42	MANE TRUPTI JITENDRA	10	
43	MANISH UMESH MOURYA	13	
44	MANSI DEEPAK KOKANE	11	
45	MORE PRASAD DHARMARAJ	07	
46	NAGARE NIKITA SUDHIR	16	
47	NIDVANCHE ASHISH BHIM	11	
48	PALKAR RUSHIKESH FULCHAND	12	
49	PANASKAR SAYALI BAJIRAO	12	
50	PARASHRAM PANDURANG PATIL	13	
51	PATIL JITENDRA VASANT	13	
52	PATIL SHUBHAM RAJENDRA	13	
53	PAWAR CHANDRAKANT KAILAS	14	
54	PRIYANKA RAMESH SURYAWANSHI	13	
55	ROHIT SANDEEP SAWANT	17	
56	SAGAR SANJAY JADHAV	13	
57	SAIPRASAD NANDKUMAR SHINDE	14	
58	SANKET SANDEEP PATIL	17	
59	SATALE AVINASH HARISHCHANDRA	13	
60	SATHE DHANANJAY DNYANESHWAR	12	
61	SHAHIL PAWAR	17	
62	**SHINDE GANESH BALASO**	17	
63	SHINKAR PRATIK VIJAY	13	
64	SUTAR RUSHIKESH HANUMANT	17	
65	TAKBHATE SHUBHAM JAGADISH	11	
66	TELGOTE NILESH DEORAO	11	
67	UGWEKAR DHANANJAY SHRIKRISHNA	16	
68	VICHARE PRATHAMESH DIPAK	17	

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Assignment 3

Date:-20/04/2023

Class: BE Mech

SEM-VIII (AY 2022-23)

Sub:- Q & RE

Marks:-20

Roll No.	Name of student	Marks	Sign
69	WANKAR JAYESH RAMESH	12	
70	YASIN RAMJAN MUJAWAR	13	

Prof A H Raut
Subject Teacher

Topic: Page No.: Date.: / /

18/20 Acc

Name - Dixit Prashant Manikrao

Roll No - ~~20~~ 19

Subject - CRE

- Assignment No 2.

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Q.1

(a) Define

i] Failure density :-

At any point in life of componet the incremental change in number of failure per associated with incremental change in time

ii] Hazard rate :-

At a particular time, the rate of change of of number of item, that have failed divied by the number of items surviving

$$\lambda(t) = \frac{f(t)}{R(t)}$$

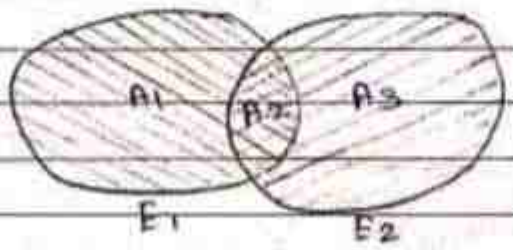
2

(b) Explain different laws of probability with excample.

→ Probability can be defined in number of ways. we will consider two definations namely the relative frequency & axiomatic definations.

i] Union & intersection of two events :-

* If E_1 and E_2 denotes two events, then the union of E_1 & E_2 means occurrence of event E_1 or E_2 or both, It denoted by $E_1 \cup E_2$ or $E_1 + E_2$



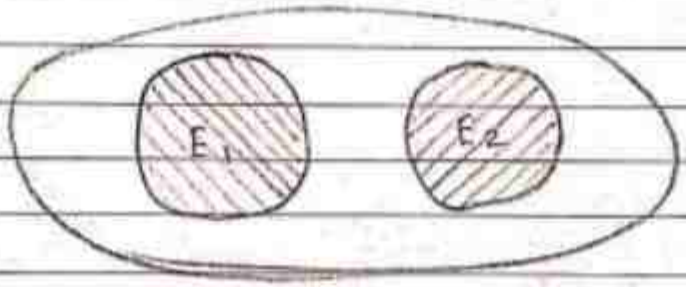
* Intersection of E_1 & E_2 means the joint occurrence of event E_1 or E_2 or both.

* E_1 = Shortage of material
  E_2 = Shortage of skilled workers in plant then.

$E_1 \cup E_2$ = shortage of material or workers are both
$E_1 \cap E_2$ = shortage of material & skilled workers

$$\therefore P(E_1 \cup E_2) = P(E_1) + P(E_2) + P(E_1 \cap E_2)$$
$$= P(E_1) + P(E_2) - P(E_1) \cdot P(E_2)$$

2] Mutually Exclusive events :-



1] When two sets E_1 & E_2 not having common elements the area do not overlaps in Venn diagram are called mutually exclusive or disjoint events

e.g.
E_1 = rain in locality.
E_2 = Drough in the same locality.

$$P(E_1 \cap E_2) = 0$$
$$P(E_1 \cup E_2) = P(E_1) + P(E_2)$$

3] Complementary events :-

1] Associated with any event there is

Topic :

Another event known as complimentary event denoted as $\bar{E}$

2] If sample space corresponding to event E is represent as 'S' in the venn diagram.

The remaining space $\bar{S}$ denoted complement or negation of E as $\bar{E}$

3] If $P(E)$ & $P(\bar{E})$ are respective probabilities when $P(E) + P(\bar{E}) = 1$

E = Appearance of no 6 upon a rolling die

$\bar{E}$ = Appearance of any other number

$n(E) = 1$

$n(\bar{E}) = 5$

$\therefore P(E) = \frac{1}{6}$ & $P(P(\bar{E}) = 1 - P(E) = \frac{5}{6}$

4] Conditional Probability :-

The occurance of event of E_2, when it is known that E_1 has occured, is known as the conditional event & is denoted as $\frac{E_2}{E_1}$. The probability of event is defined as :-

$$P\left(\frac{E_2}{E_1}\right) = \frac{P(E_2 \cap E_1)}{P(E_1)} = \frac{P(E_1) \times P(E_2)}{P(E_1)}$$

5] The tess tests are conducted on 500 screw & results are tabulated as given below find failure density hazard rate of screw.

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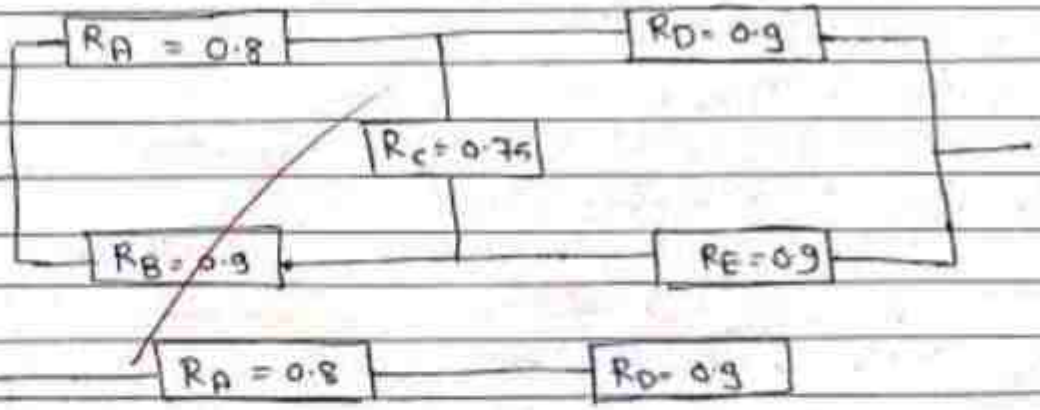
Time Interval hr	Failure density per hr	Hazard rate of screw per hr
0 — 10	$\frac{174}{500} \times 10 = 3.48$	$\frac{174}{500} \times 10 = 3.48$
10 - 20	$\frac{126}{500} \times 10 = 2.52$	$\frac{126}{326} \times 10 = 3.86$
20 - 30	$\frac{85}{500} \times 10 = 1.5$	$\frac{85}{200} \times 10 = 4.25$
40 - 50	$\frac{40}{500} \times 10 = 0.8$	$\frac{40}{40} \times 10 = 10$
30 - 40	$\frac{75}{500} \times 10 = 1.5$	$\frac{75}{115} \times 10 = 6.52$

Q.2

a) Find the reliability of system using conditional probability method

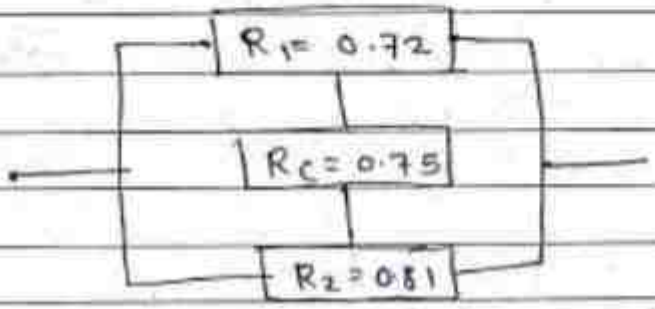


$$R_1 = R_A \times R_D$$
$$= 0.8 \times 0.9$$
$$R_1 = 0.72$$

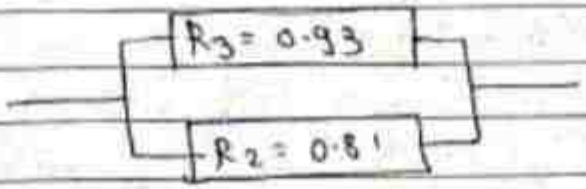
2]

$R_2 = R_B \times R_E$
$= 0.9 \times 0.9$
$R_2 = 0.81$

3]



$R_3 = 1 - [(1-R_1) \times (1-R_C)]$
$= 1 - [(1.072) \times (1-0.81)]$
$R_3 = 0.93$

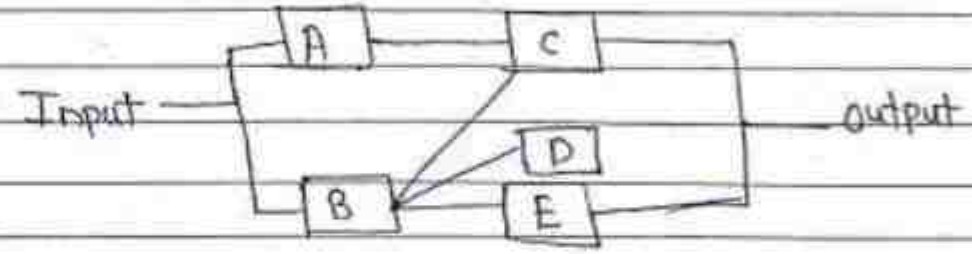


4] $R_C = 1 - [(1-R_3) \times (1-R_2)]$
$= 1 - [(1-093) \times (1-0.81)]$
$R_C = 0.98$

Reliability of system is 098

5] Find reilability of the system using cut set method Also draw equivalent block diagram using minimal cut set element.

Topic : _____ Page No. : 6
Date. : / /



Minimal cut sets are

$C_1 = AB$

$C_2 = BC$

$C_3 = CDE$

Failure of system is given by.

$F(S) = P[(\bar{A}\bar{B}) \text{ or } (\bar{B}\bar{C}) \text{ or } (\bar{C}\bar{D}\bar{E})]$

$= P(AB) + P(\bar{B}\bar{C}) + P(\bar{C}\bar{D}\bar{E}) - P(\bar{A}\bar{B}\bar{C}) - P(\bar{A}\bar{C}\bar{D}\bar{E}) - P(\bar{A}\bar{B}\bar{C}\bar{D}\bar{E}) + P(\bar{A}\bar{B}\bar{C}\bar{D}\bar{E})$.

$= P(\bar{A}B) + P(B\bar{C}) + P(\bar{C}\bar{D}\bar{E}) - P(\bar{A}B\bar{C}) - P(\bar{B}\bar{C}\bar{D}\bar{E})$

$= P(\bar{A})P(B) + P(\bar{B})P(\bar{C}) + P(\bar{C})P(\bar{D})P(\bar{E}) - P(\bar{A})P(\bar{B})P(\bar{C}) - P(\bar{B})P(\bar{C})P(\bar{D})P(\bar{E})$

$= (1-R_A)(1-R_B) + (1-R_B)(1-R_C) + (1-R_C)(1-R_D) + (1-R_D)(1-R_E)$

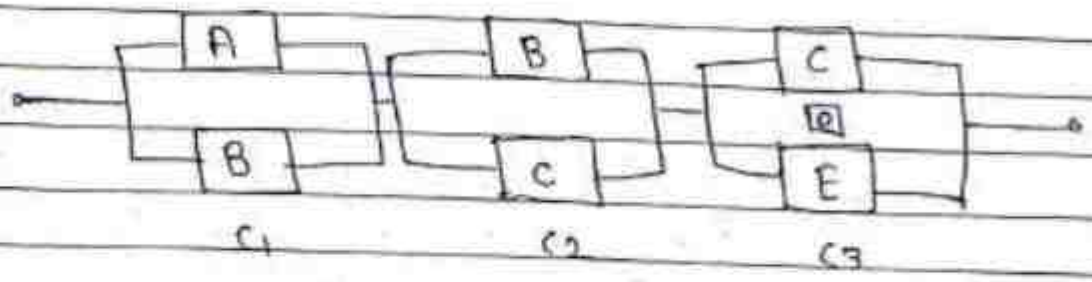
$F(S) = 1 R_A R_C + 1 R_A R_B R_C + R_B R_D - R_B R_E + R_B R_D R_E - R_B R_C + R_B R_C R_D + R_B R_C R_E + R_B R_C R_D R_E$

$R(S) = 1 - F(S) = R_A R_C + R_B R_C + R_B R_D + R_B R_E - R_A R_B R_C - R_B R_D R_E - R_B R_C R_D - R_B R_C R_E + R_B R_C R_D R_E$

Block diagram using minimal cut set element the cut set denoted by C_1 C_2 & C_3 are assumed to be conneded in series, since occurance of any one cut set implies the failure of system.

Topic :

Page No. 7
Date. : / /



Q] what is reliability allocation? write the advantages of reliability allocation method.

1] Process of assigning the reliability requirements to individual componet to attain the specialized system reliability is called reliability allocation or apportiment

2] purpose of assigning the reliability requirements to individual componet to attain the specialized system reliability.

3] Generally reliability factor of a system is known or specified on basis of overall mission requirements.

4] If system comprises many element & unit, we must have a method to determine reliability factor for each of them, so that when they are assembled to form a system the system reliability have a desire value.

* Advantages of reliability allocation method:-

1] The allocation distributes reliability of subsystem & individual componet into more critical blocks.

2] It help optimize the best combination of component reliability improvement that meet the intended goals and at sufficient allocated costs.

3] It gives a detailed overview of how your business expenses are used.

CAYMET's

SIDDHANT COLLEGE OF ENGINEERING, SUDUMBARE

Department of Mechanical Engineering

Assignment 3

Sub: Quality & Reliability Engg | **Date:-05/05/2023**
Sub Code: 402050A | **Class:- BE (MECH)**
Faculty In-charge: Mr. Ashish H Raut | **Max Marks: 20**

1	a	Write name and applications of symbols used in Construction of Fault tree with neat sketches	4	CO5
	b	For an emergency operation theater in a hospital, the power is obtained from the main city supply through a transformer connected in series. To ensure and uninterrupted series supply, an auxiliary generator is also used with a suitable switch over. The probability of failure of the main city supply is 0.01 and transformer reliability is 0.996. The auxiliary power generator has a reliability factor of 0.99. Draw a block diagram for the system. Construct the fault tree and calculate reliability of the system.	6	CO5
2	a	Write Objectives of Maintenance. Explain different types of Maintenance	4	CO6
	b	Write short notes on i) Reliability Growth Testing ii) Markov Chain Analysis	6	CO6

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Siddhant College of Engineering, Sudumbare

Department of Mechanical Engineering

Assignment 3

Class: BE Mech

Date:-05/05/2023

Sub:- Q & RE

SEM-VIII (AY 2022-23)

Marks:-20

Roll No.	Name of student	Marks	Sign
1	ABHISHEK KUMAR YADAV	17	
2	AKASH DADASO JADHAV	12	
3	ANIKET DATTATRAYA SASE	17	
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12	CHAVHAN ASHWINI SUKHDEV	10	
13	DADASAHEB NANASAHEB PAWAR	10	
14	DAHIVALKAR PUJA PRAVIN	14	
15	DAUNDKAR RAJKUMAR BALASAHEB	15	
16	DESHMUKH AKASH SAMPAT	12	
17	DINDE ARJUN YASHWANT	13	
18	DIPAK PRADIP KUSUMKAR	16	
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34	KAMBALE NAGANATH BHARAT	13	
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Siddhant College of Engineering, Sudumbare

Department of Mechanical Engineering

Assignment 3

Class: BE Mech

Date:-05/05/2023

SEM-VIII (AY 2022-23)

Sub:- Q & RE

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37	KUMBHAR MADHAV TULASHIDAS	15	
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41	MANE AKSHAY RAMLING	14	
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66	TELGOTE NILESH DEORAO	10	
67	UGWEKAR DHANANJAY SHRIKRISHNA	14	
68	VICHARE PRATHAMESH DIPAK	14	
69	WANKAR JAYESH RAMESH	11	
70	YASIN RAMJAN MUJAWAR	14	

Pro.A.H.Raut

Subject Teacher

CAYMET's

SIDDHANT COLLEGE OF ENGINEERING, SUDUMBARE

Department of Mechanical Engineering

Mid Term Test

Sub: Quality & Reliability Engg
Sub Code: 402050A
Faculty In-charge: Mr. Ashish H Raut

Date:- 29/03/2022
Times:- 1 hr
Max Marks: 20

1	a.	Explain Cost of Quality	5	CO1
	b.	Write Short Note on Quality Circle.	5	CO1

OR

2	a.	Enlist Seven quality tools. Explain any one tool	5	CO1
	b.	Write Short note on PDCA cycle	5	CO1
3	a.	Enlist different types of control charts & their applications/ uses.	4	CO2
	b.	The number of defects found in each sample of paper of 1 square meter area are shown below. Draw appropriate control chart & stare whether the process is under control or not. If sample falling outside control limits is taken out, what are the new control limits?	6	CO2

Sample	1	2	3	4	5	6	7	8	9	10	11	12
No of Defects Found	5	6	2	5	2	6	6	13	6	5	6	4

OR

4	a.	Enlist and explain different types of sampling plans.	4	CO2
	b.	X and R control charts are maintained for a dimension of a component. The data is collected. The subgroup size for the calculations is taken as 5. The values of X and R are calculated for each subgroup. The values of summation of X and R are for 25 subgroups are 614.8 and 120 respectively. Compute the control limits for X chart R = 2.32σ	6	CO2

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CAYNET'S

Siddhant College of Engineering, Sudumbare

Department of Mechanical Engineering

Mid Term Test

Date:-29/03/2023

Class: BE Mech

SEM-VIII (AY 2022-23)

Sub:- Q & RE

Marks:-20

Roll No.	Name of student	Marks	Sign
1	ABHISHEK KUMAR YADAV	16	
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32	JARHAD MAYUR POPAT	12	
33	KADAM AJINKYA BALIBA	06	
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Siddhant College of Engineering, Sudumbare

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Prof A.H.Raut

Subject Teacher

Choudhari Atarsingh Yadav Memorial Education Trust's

SIDDHANT COLLEGE OF ENGINEERING

Verified all entries & found correct

Jr.Supervisor's Name, Signature & Date

Seat No.(in figures) Exam No.: 35 Centre : SCOE, sudumbre 4044

Seat No.(in words) Fifty Four - Rahul Babulal Kamtikar

Day & Date : 29/03/2023 Examination : Mid term test

Subject : Quality and reliability Engg. Section : –

Course / Paper No. – Medium of Answer : English

Main Ans. Book + No. of Supplements 0 = Total

Q. No	1	2	3	4	5	6	7	8	9	10	11	12	Total	Signature of Examiner
Marks	–	08	–	–	06	–	–	–	–	–	–	–	14/20	
Q. No	1	2	3	4	5	6	7	8	9	10	11	12	Total	Signature of Examiner
Marks														

Use of Coloured pencil or ink is strictly prohibited except in case of Diagrams and Sketches
(Write on both sides and start writing on this page)

Q2)

Seven quality tools :-

1) Checksheet
2) How charts
3) Histograms
4) Pareto charts
5) Cause and effect diagram
6) Scatter diagram
7) Control charts

Scatter diagram :-

The scatter diagram graph is a pair of numerical data with one variable on each axis, to look for a relationship between them.

Following steps are involved in drawing and interpreting scatter diagram

1) Select the two factor in which relationship is required to be studied.

2) Collect the data.
3) Draw the axes of scatter diagram
4) Plot each set of data.
5) Interpretation of results

Three types of relationship are recognised in scatter diagram

1) Positive relationship. -
An increase in driving factor cause increase in performance characteristics.

Fig. Positive correlation

2) Negative correlation -
The driving factor and performance factor are related inversally i.e. an increase in the driving factor causes a decrease in the performance factor.

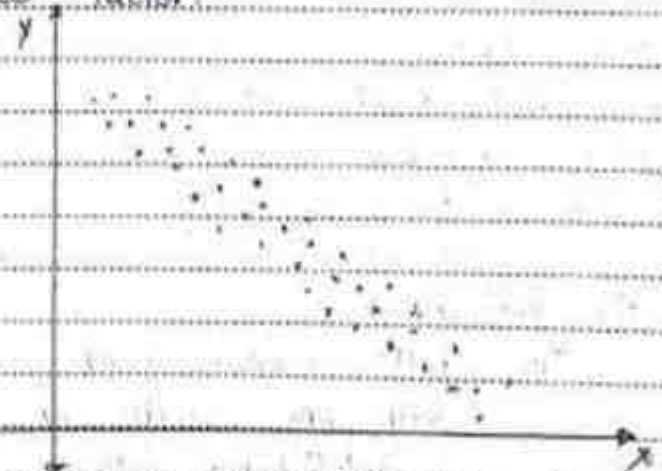
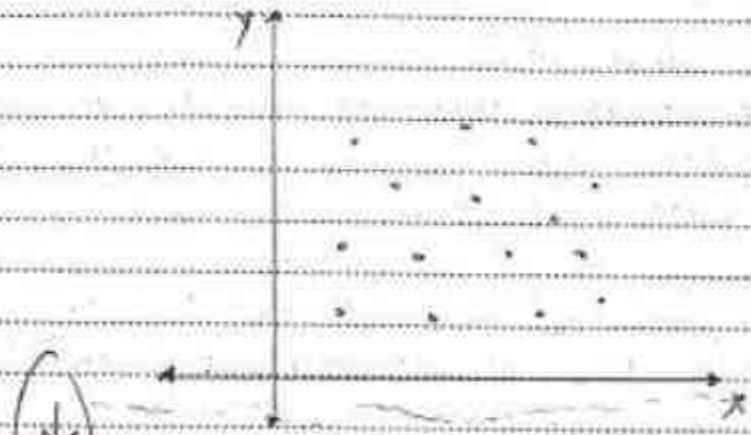


Fig. Negative correlation

3) No correlation -
If a variation in X-axis has no effect on value of characteristics on Y-axis, these two factor said to be not related to each other



(d)

Fig. No. correlation

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SIDDHANT COLLEGE OF ENGINEERING, SUDUMBARE

Department of Mechanical Engineering

End Term Test

Sub: Quality & Reliability Engg
Sub Code: 402050A
Faculty In-charge: Mr. Ashish H Raut

Date:- 17/05/2023
Times:- 2 hr
Max Marks: 40

---

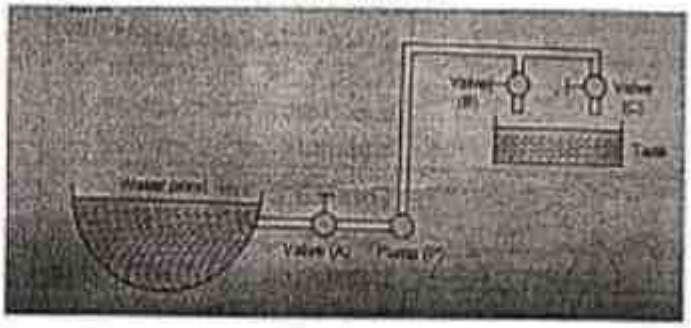
1 a. Accelerometers of 350 numbers were tested for 120 hrs. and the number of failed accelerometers out of 350 accelerometers is tabulated as given below. Find the hazard rate reliability and tabulate the results — 6 — CO3

Time Interval (hrs.)	0-20	20-40	40-60	60-80	80-100	100-120
No. of failed accelometers	157	73	55	33	20	12

b. Explain Bath Tub Curve with neat sketch — 4 — CO3

2 a. Using Conditional reliability method evaluate the reliability of the following system — 10 — CO4

3 a. Fig shows three valves A, B and C, a pump (P), a pipeline and a tank to collect water pumped from the pond. Construct the fault tree corresponding to the top event " no flow of water into the tank" — 10 — CO5



4 a. Write short note on — 10 — CO6

1. Preventive and Corrective maintenance
2. Reliability centred maintenance

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Siddhant College of Engineering, Sudumbare

Department of Mechanical Engineering

End Term Test

Date: 17/5/2023

Class: BE Mech

SEM-VIII (AY 2022-23)

Sub:- Q & RE

Marks:-40

Roll No.	Name of student	Marks	Sign
1	ABHISHEK KUMAR YADAV	24	
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3	ANIKET DATTATRAYA SASE	19	
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Siddhant College of Engineering, Sudumbare

Department of Mechanical Engineering

End Term Test

Date:- 17 / 5 /2023

Class: BE Mech

SEM-VIII (AY 2022-23)

Sub:- Q & RE

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70	YASIN RAMJAN MUJAWAR	23	

Prof A H Raut
Subject Teacher

Choudhari Atarsingh Yadav Memorial Education Trust's

SIDDHANT COLLEGE OF ENGINEERING

Verified all entries & found correct

Jr.Supervisor's Name, Signature & Date

Seat No.(In figures) Roll no:-11 Centre : SCoE-4044

Seat No.(in words) Anup H. Chaudhari

Day & Date 17/05/23 - ~~Tuesday~~ Examination : End term

Subject : QRE Section :

Course / Paper No. BE mech Medium of Answer : English

Main Ans. Book + No. of Supplements : 1 + 00 = Total 01

Q. No	1	2	3	4	5	6	7	8	9	10	11	12	Total	Signature of Examiner
Marks	4	9	7	7	—	—	—	—	—	—	—	—	27/40	
Q. No	1	2	3	4	5	6	7	8	9	10	11	12	Total	Signature of Examiner
Marks														

Use of Coloured pencil or ink is strictly prohibited except in case of Diagrams and Sketches
(Write on both sides and start writing on this page)

Q.1

a] Explain Bath tub curve with neat Sketch.

→

1] A typical curve showing three basic modes of failure is & it is generally called as 'bath tub' curve because of it's shape.

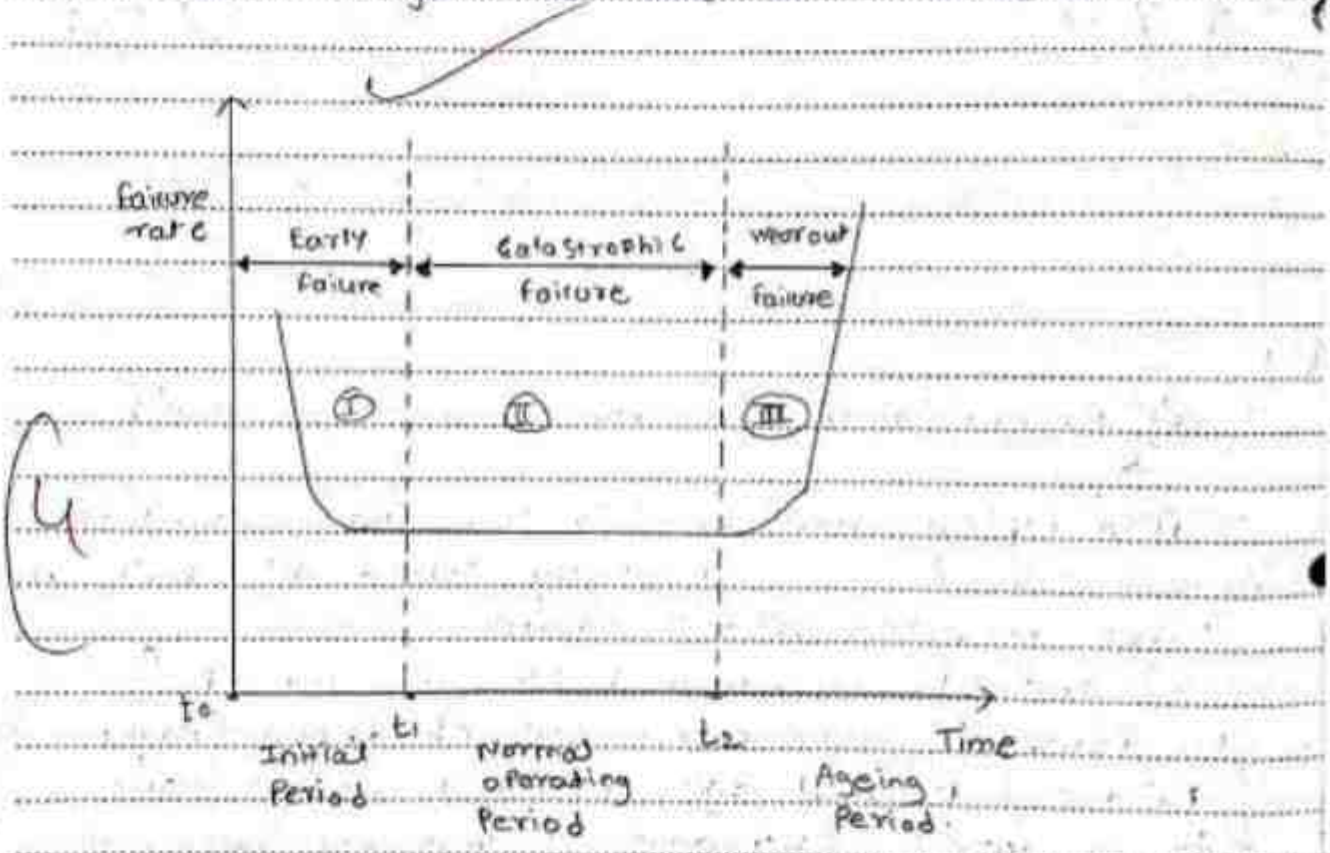
2] The life of human being also was found to follow similar curve i.e. childhood (early failures) normal age period from 10 years to 45 years / old age 45 onwards (wear out period).

3] A large number of mechanical & electronic components or systems has generaly same failure characteristic.

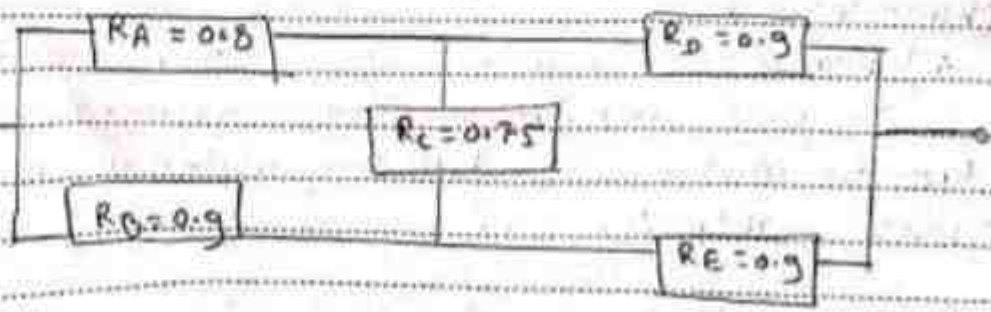
4] Region I (period to to t1) Infant mortality In font ~~rer~~ failure or early failures called due to reason as defective materials, poor design, poor quality control.

5] Region II (Period t_1 - t_2) Normal operation Period :-
As the defective components are replaced by newer ones the reliability of system increases. The next phase of failures occurs in normal (operating) period.
These failure are also known as random failure.

6] Region III (Period t_2 onwards) :- wear out / Aging Period :-
After time t_2 wear out or aging failure occurs due to excessive wear after expected useful design life has been exceeded.

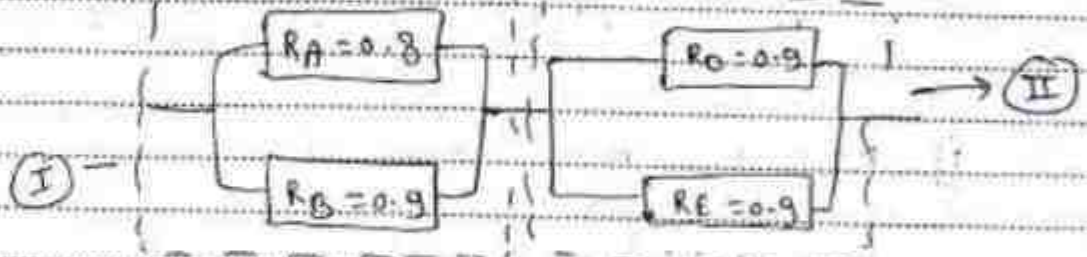


q. 2] Using conditional reliability method evaluate the reliability of following



→ Critical Component is $R_C = 0.75$

I] when Critical Component is good (R_C)



1] $R_I = 1 - [(1 - R_A)(1 - R_B)]$

$= 1 - [(1 - 0.8)(1 - 0.9)]$

$R_I = 0.98$

2] $R_{II} = [1 - (1 - R_D)(1 - R_E)]$

$= 1 - [(1 - 0.9)(1 - 0.9)]$

$R_{II} = 0.99$

(9)

3] Reliability of System when component is in Series

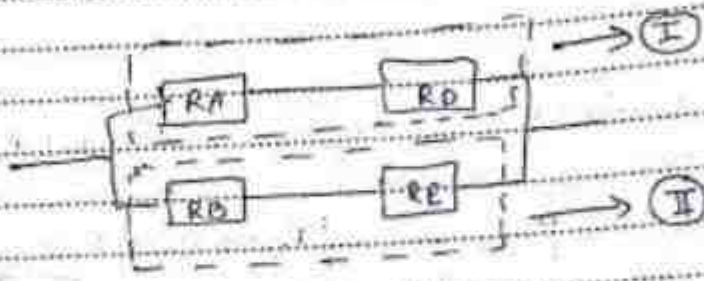
$R_1 = R_I \times R_{II}$

$= 0.98 \times 0.99$

$R_1 = 0.97$

4] Good reliability $= R_1 = 0.97$

II] When Critical component is bad



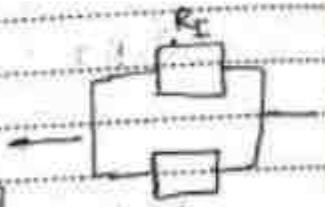
1] $R_I = R_A \times R_D$

$= 0.8 \times 0.9$

$R_I = 0.72$

2] $R_{II} = R_B \times R_E$

$= 0.9 \times 0.9 = 0.81$



3] $R_{III} = 1 - [(1 - R_I)(1 - R_{II})]$

$= 1 - [(1 - 0.72)(1 - 0.81)]$

$= 1 - [0.053]$

$R_{III} = 0.94$

III] Substituting values in formulae :-

$R_S = [\text{Reliability of system when comp is good}] \times [\text{Good reliability}] +$

$[\text{Reliability of System when Comp is bad}] \times [\text{Bad reliability}]$

$= 0.97 \times 0.75 + 0.94 \times (1 - 0.75)$

$R_S = 0.96$

Q. B] Write Short note on :-

1] Preventive & Corrective maintenance :-

→

1] In preventive maintenance system is periodically inspected, Same components are replaced lubrication, checked & adjustment are made before system fails.

2] preventive maintenance is intended to eliminate costly repairs involved during corrective type of maintenance Stage when System fails.

3] Preventive maintenance can be divided into following types of maintenance

a] Running maintenance (on-line maintenance)
maintenance which can only be carried out whilst the unit or plant is in use.

b] Shud down maintenace (offline)
maintenance which can only be carried out when plant or unit is not in use.

c] Time-based Preventive maintenance :-
The type of maintenance is effective when failure of system is time dependent & System is expected to wear out.

2] Corrective maintenance :-
Corrective maintenance is used after System failure. The objective of corrective maintenance is to bring System from failed State to operating State the operating as possible to increase availability.
Corrective maintenance is also known as repair & can include any or all following steps.

i] Detection or verification.
ii] Isolation
iii] Disassembly
iv] Interchange
v] Reassembly
vi] Alignment
vii] Start up.

2] Reliability centred maintenance

→ 1] Reliability centred maintenance (RCM) is a systematic methodology used to identify the preventive maintenance related tasks necessary for realizing inherent reliability of equipment at lowest cost.

a] RCM goals :- To establish design related priorities that can facilitate preventive maintenance in effective manner.

To plan preventive maintenance tasks that can ensure safety & reliability to their original levels in the event of system or equipment deterioration.

3] RCM principles :-

1) focus on maintaining system & equipment function.

2] Provide consistency in maintenance of all types of products.

4] RCM process :-

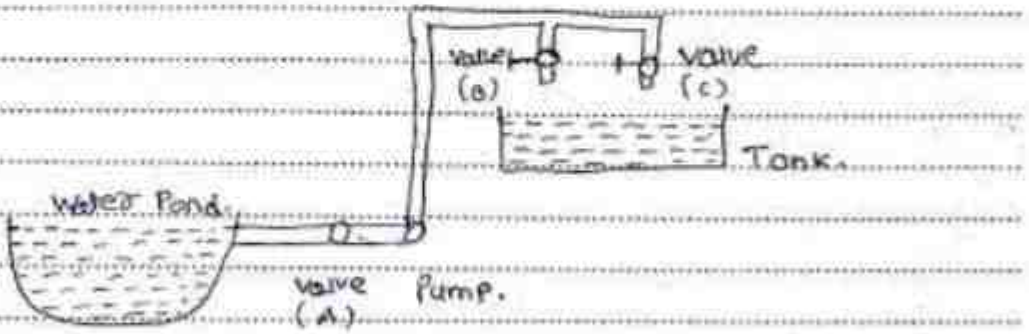
1] Identify high priority items with respect to maintenance.

2] Gather all necessary failure data.

3] Group maintenance requirements.

4] Perform fault tree analysis.

Q.4 Fig shows three valves A, B & C, a pump, a pipeline & a tank to collect water pumped from the pond. *Construct the fault tree corresponding to the top event "no flow of water into the tank".



→ Soln :- Top event - No flow of water into tank

Primary events.

(a) Valve B & C closed (failed).

(b) ~~Pump P failed~~ No flow of water to valve B & C.

Secondary events :-

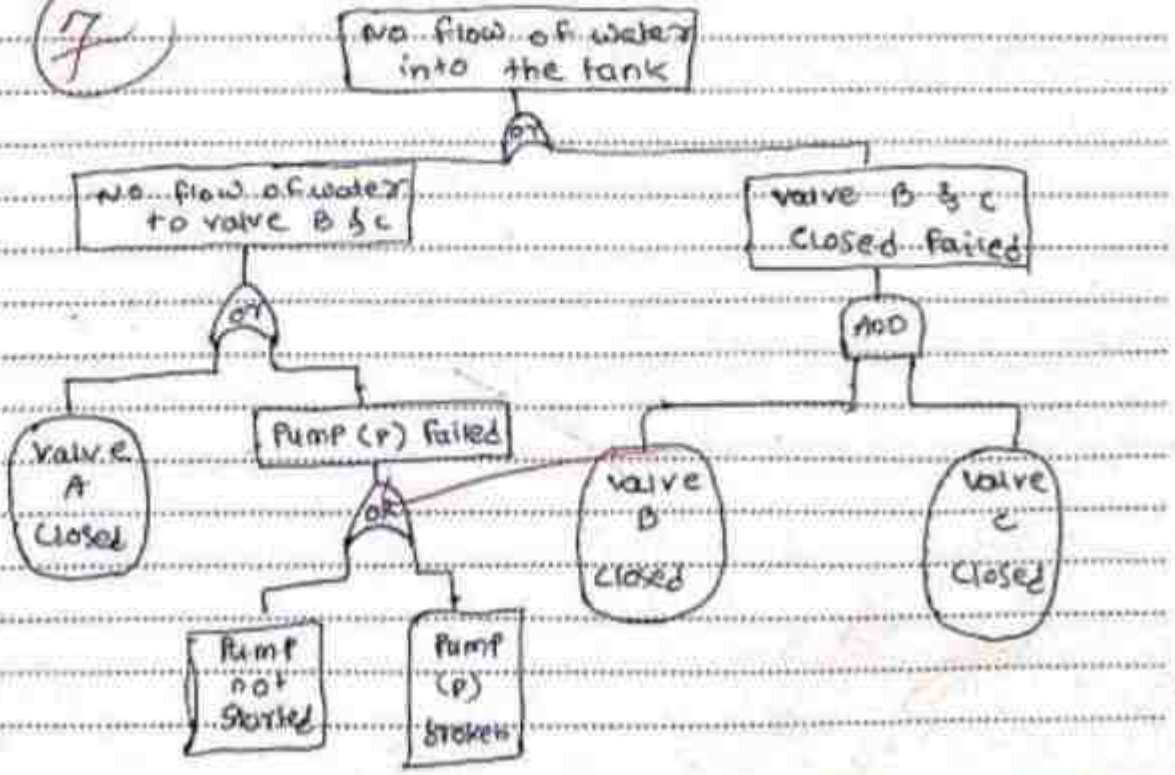
a) valve A closed (failed)

b) Pump failed.

i] Pump (P) not started

ii] Pump (P) broken

7



CAYMETS

Siddhant College of Engineering, Sudumbare

Department of Mechanical Engineering

BE (Mech) SEM-II 2022-23

Q & RE Submission sheet

Roll No.	Name of student	Asgn. 1	Asgn 2	Asgn 3	M.Term Test	End Term Test	INSEM Marks	Student Sign
		20	20	20	20	40	30	
1	ABHISHEK KUMAR YADAV	12	13	17	16	24	21	
2	AKASH DADASO JADHAV	10	16	12	09	19	18	
3	ANIKET DATTATRAYA SASE	15	12	17	11	19	16	
4	ANIKET SHIVAJI SAPNAR	11	9	11	12	16	14	
5	ANKIT GUPTA	11	14	16	16	26	17	
6	AOUDUT PRAVIN RAVASAHEB	14	12	13	13	15	12	
7	ASHUTOSH BAPUSAHEB TOUNDKAR	13	15	11	11	16	12	
8	AWAGHADE ATISH SHANKAR	13	11	13	16	28	13	
9	BHARAT BARKU BORYE	10	11	11	10	23	16	
10	BIDAYE YASH RAMCHANDRA	11	10	10	11	12	08	
11	CHAUDHARI ANUP HIRALAL	17	18	15	11	27	15	
12	CHAVHAN ASHWINI SUKHDEV	16	13	10	12	14	15	
13	DADASAHEB NANASAHEB PAWAR	11	7	10	12	20	18	
14	DAHIVALKAR PUJA PRAVIN	13	17	14	08	27	16	
15	DAUNDKAR RAJKUMAR BALASAHEB	12	7	15	10	15	15	
16	DESHMUKH AKASH SAMPAT	10	12	12	10	28	07	
17	DINDE ARJUN YASHWANT	10	12	13	11	15	AB	
18	DIPAK PRADIP KUSUMKAR	12	12	16	15	18	16	
19	DIXIT PRASHANT MANIKRAO	13	18	11	11	19	09	
20	GADE ADESH BALASAHEB	13	12	12	12	19	13	
21	GADE SANTOSH SARJERAO	14	16	15	16	27	15	
22	GAIKWAD KUNDAN KISHOR	12	12	13	13	13	09	
23	GANESH TULSHIDAS KUMBHAR	11	14	23	11	24	17	
24	GAVHANE AUDUMBAR BALIRAM	12	14	14	14	19	23	
25	GAWADE AJAY MOHAN	15	12	09	15	21	13	
26	GHARE SAGAR VITTHAL	11	11	12	12	16	07	
27	GHURE DILIP DATTATRAY	11	13	10	14	18	19	
28	GUPTA KRISHNA DINESH	11	13	13	17	28	21	
29	HIRATOT SHRISHAIL NAGESHI	08	13	11	12	20	18	
30	JADHAV SHUBHAM RAJENDRA	12	12	12	14	27	05	
31	JADHAV SIDDESH KAILAS	11	11	8	14	18	12	
32	JARHAD MAYUR POPAT	12	12	12	12	13	06	

		A_1	A_2	A_3	T_1	T_2	IN	
33	KADAM AJINKYA BALIBA	11	12	9	06	12	10	
34	KAMBALE NAGANATH BHARAT	10	11	13	13	13	18	
35	KAMTIKAR RAHUL BABULAL	11	14	12	14	14	15	
36	KSHIRSAGAR SADHANA SHANTLING	12	12	10	11	15	14	
37	KUMBHAR MADHAV TULASHIDAS	13	14	15	12	24	16	
38	KUMBHAR NARAYAN KALLAPPA	16	15	12	15	19	18	
39	**LINGADE UMESH DILIP**	11	07	7	16	20	12	
40	MANDALE SUNIL HARIBHAU	11	12	12	09	25	13	
41	MANE AKSHAY RAMLING	15	13	14	15	27	14	
42	MANE TRUPTI JITENDRA	16	10	09	15	19	19	
43	MANISH UMESH MOURYA	09	13	14	08	18	16	
44	MANSI DEEPAK KOKANE	11	11	12	14	19	17	
45	MORE PRASAD DHARMARAJ	11	07	10	16	12	15	
46	NAGARE NIKITA SUDHIR	11	16	14	12	16	12	
47	NIDVANCHE ASHISH BHIM	12	11	13	12	14	06	
48	PALKAR RUSHIKESH FULCHAND	13	12	12	13	13	16	
49	PANASKAR SAYALI BAJIRAO	14	12	14	13	19	19	
50	PARASHRAM PANDURANG PATIL	10	13	14	12	21	18	
51	PATIL JITENDRA VASANT	15	13	11	13	28	22	
52	PATIL SHUBHAM RAJENDRA	13	13	12	12	15	17	
53	PAWAR CHANDRAKANT KAILAS	10	14	15	6	27	16	
54	PRIYANKA RAMESH SURYAWANSHI	11	13	12	13	18	22	
55	ROHIT SANDEEP SAWANT	10	17	13	13	19	22	
56	SAGAR SANJAY JADHAV	10	13	11	7	18	16	
57	SAIPRASAD NANDKUMAR SHINDE	12	14	11	17	27	15	
58	SANKET SANDEEP PATIL	13	17	14	12	27	19	
59	SATALE AVINASH HARISHCHANDRA	15	13	13	16	27	17	
60	SATHE DHANANJAY DNYANESHWAR	08	12	13	16	27	13	
61	SHAHIL PAWAR	13	17	14	14	25	22	
62	**SHINDE GANESH BALASO**	12	17	14	11	21	19	
63	SHINKAR PRATIK VIJAY	13	13	10	15	16	18	
64	SUTAR RUSHIKESH HANUMANT	12	13	12	4	03	15	
65	TAKBHATE SHUBHAM JAGADISH	11	11	11	9	18	18	
66	TELGOTE NILESH DEORAO	12	11	10	10	22	13	
67	UGWEKAR DHANANJAY SHRIKRISHNA	14	16	14	7	20	12	
68	VICHARE PRATHAMESH DIPAK	17	17	14	4	18	12	
69	WANKAR JAYESH RAMESH	13	12	11	8	16	12	
70	YASIN RAMJAN MUJAWAR	12	13	14	11	23	16	

Prof A.H. Raut
Subject Teacher

Siddhant College of Engineering

Department of Mechanical Engineering

Academic Year 2022-23. Semester II.

Subject-Energy Engineering 402048 Continuous Assessment Sheet.

PRN.	Name of The Student.	Practica	Practica	Practica	Practica	Practica	Practica	Practica	Practica	Assignm	Assignm	Prelim	Mid Te	Attenda	Marks out of 150	Marks out of 25
72165753C	Gade Adesh Balasaheb	7	8	7	8	8	7	8	8	8	7	18	42	16	152	20
72165703E	Ganesh Tulshidas Kumbhar	8	9	7	8	9	7	8	9	8	7	20	45	19	164	22
72165772K	Ghare sagar vitthal	9	7	8	7	7	8	7	7	9	7	17	43	17	153	20
72165791F	Jitendra Vasant Patil	7	7	7	8	7	7	8	7	7	9	25	41	20	160	21
72165775D	Krishna Gupta	9	8	8	7	8	8	7	8	8	8	23	32	15	149	20
72165770C	Kundan Kishor Gaikwad	9	8	7	9	8	7	8	8	7	7	21	40	20	158	21
72165765G	kusumkar deepak pradip	9	9	7	8	9	7	8	9	9	9	17	32	20	154	20
72165784C	Madhav Tulshidas Kumbhar	7	9	7	9	9	7	8	9	9	8	18	44	18	162	21
72165785M	Mane Trupti Jitendra	8	7	9	9	7	8	8	7	9	9	22	44	20	165	22
72029376G	Manish Umesh Mourya	9	9	8	8	8	8	9	8	8	7	17	37	17	151	20
72165781J	Mansi Kokane	9	8	7	8	8	7	8	8	9	7	20	31	19	149	20
72165779G	Mayur Popat Jarhad	7	7	7	8	7	7	8	7	7	7	20	33	18	143	19
71913972E	more pranad dharmaraj	7	8	7	7	8	7	7	8	7	8	18	35	19	146	19
72165780L	Naganath Bharat kambale	8	8	7	7	8	7	7	8	8	7	23	42	20	160	21
72165786K	Nagre Nikita Sudhir	8	8	8	8	8	8	8	8	7	7	25	35	18	156	21
72165787H	NARAYAN KALLAPPA KUMBHAR	8	7	8	7	7	8	7	7	7	9	25	31	20	151	20
72165810F	Nilesh Telgote	7	8	8	7	8	8	7	8	9	7	22	34	17	150	20
72165792D	Parashram Pandurang Patil	7	9	8	7	9	8	7	9	7	8	18	34	15	146	19
72165794L	Pawar Chandrakant Kailas	7	7	7	8	7	7	8	7	7	8	19	42	17	151	20
72165795J	Pawar Dadasaheb Nanasaheb	9	9	8	7	9	8	7	9	9	7	21	36	18	157	21

Prof. Sagar Upendra Deshpande
Subject Incharge

Dr. P. A. Makasare
HOD

CAYMET'S

SIDDHANT COLLEGE OF ENGINEERING, SUDUMBARE

DEPARTMENT OF MECHANICAL ENGINEERING

Date - 13/02/2023

NOTICE

As per TE (2019 PAT.) Mechanical syllabus all TE Mechanical Engineering students are instructed to give your respective choice for **Internship/Mini project** on or before 17/02/2023 (Friday) for more details contact to respective guide allotted.

Also those who are going for the Internship are hitherto instructed to collect "Letter to Company" from student section.

HOD (Mech)

CAYMET's
Siddhant College of Engineering
Mechanical Engineering Department
TE Mech (2019 pat) AY 2022-23

Allocation of Mini Project/Internship Group list with Guide Name

Sr. No	Group No.	Candidate Name	Name of Guide	Sign of Guide
1	1	AAGHADE RUSHIKESH SANJAY	Dr. P.A.MAKASARE	
2		AMBRE AISHWARYA NITIN		
3		ANIKET CHAVAN		
4		BANASE PRATIK SHIVRAJ		
5		BARAMADE GANESH KIRAN		
6	2	BHANDARI JAYESH GANPAT	Mr. B. D. GARJE	
7		BHOSALE AKSHAY POPAT		
8		BIRDAWADE PRAJAKTA MAHESH		
9		BORATE KAMLESH RAJENDRA		
10		BOTKAR PRATIKSHA PRAKASH		
11	3	CHOUGULE SHITAL MALLAPA	Mr. B. B. KEDAR	
12		GAIKWAD SUPRIYA BHARAT		
13		GAURAV SUNIL DEORE		
14		GAUTAM SHAILESH CHHOTELAL		
15		GODSE SARTHAK BALASAHEB		
16	4	GUNJAL SHUBHAM DATTU	Mr. S.U. DESHPANDE	
17		HARSHALA RAVINDRA SHIRKE		
18		HONAWALE SURAJ NITIN		
19		INDURKAR BHUPESH RAJENDRA		
20		INGAVALE VIJAYSINGH PARBATI		
21	5	JADHAV LAXMI MAHADEV	Mr. V.S. MUNDE	
22		JADHAV PRIYA CHHOTURAM		
23		JADHAV RAHUL RANGRAO		
24		JADHAV VAIJANATH MADHUKARRAO		
25		KADAM PRAVIN SHIVAJI		
26	6	KADUSKAR ADITYA BHAUSAHEB	Mr. P.P. GEDAM	
27		KATURE SHRINIVAS EKNATH		
28		KAWALE SHIVAM SADASHIV		
29		KEDARI GAURAV ASHOK		
30		KHAMBE ANIKET NARAYAN		
31	7	KHANDARE SAHIL BHASKARRAO	Ms. S.V. CHAMBHARE	
32		KOLLI HRITHIK SIDDANNA		
33		KULKARNI ANUSHA PADMAKAR		
34		KUMBHAR SANDESH GORAKHNATH		
35		KURADE SAMPADA RAJARAM		
36	8	LOKHANDE AMIT SURESH	Ms. S. B. GHOSE	
37		MAHALKAR BHIVA LAXMAN		
38		MAJGAONKAR MOHAMMAD TARIQ BA		
39		NAIK OMSHRI AJAY		
40		NANNAWARE GEETA RAMESH		

41	9	NIKAM HARSHADA RAMCHANDRA	Mr A. H. RAUT	
42		PALKAR SAVITRI MARUTI		
43		PATIL BHUSHAN SHANTARAM		
44		PATIL NIKITA VILAS		
45		PAWAR PRAJWAL BHARAT		
46	10	PAWAR PRAMOD SHANKAR	Mr. R. R. KULKARNI	
47		PAWAR SAMARTH DINKAR		
48		PAWAR SHRUTI RAMCHANDRA		
49		PAWAR SWAPNIL RAJU		
50		RAUT SUMIT MARUTI		
51	11	SABEER IMTIHAJAHMAD SHAIKH	Ms. S. B. GHOSE	
52		SAURABH MARUTI MEDGE		
53		SAWANT SAURABH DILIP		
54		SHAHU SANJAY KAKAD		
55		SINGH ABHAY SATENDAR		
56	12	SONAVANE PRATHAMESH GIRISH	Mr. R. R. KULKARNI	
57		TAGAD BHUSHAN VISHVANATH		
58		TELANG PRASHANT VINAYAK		
59		TIKANDE NIKHIL RAMDAS		
60		UDUGADE KISHOR DADASO		
61	13	UGALE VAIBHAV SHANKARRAO	Mr. V.S. MUNDE	
62		UPASANI SUYASH GANGADHAR		
63		VARADE BHUSHAN VISHNU		
64		WAGHLE YUVRAJ SHAM		
65		YADYNESH NITIN KHACHANE		

Prof. V.S. Munde
Minii Project Coordinator

Dr. P.A. Makasre
HOD (MECH)

CAYMET'S

SIDDHANT COLLEGE OF ENGINEERING, SUDUMBARE

DEPARTMENT OF MECHANICAL ENGINEERING

NOTICE

- 03/04/2023

All the students of T. E. Mechanical Engineering are here by informed that 1st Review has been scheduled on 07/04/2023 Friday.

All the Mini-project group members/ Internship doing students shall come prepared with followings.

- For Mini-Project group :-
  - Experimentation readings.
  - Calculations and Result.
  - A Primary copy of Project Report.
- For Internship doing Students :-
  - Internship Diary/ Internship Workbook.
  - Attendance record.

All are informed to remain present for this review.

Venue: CAD/CAM lab.

Time: 10:30 a.m. onwards.

HOD (Mech)

CAYMET's
Siddhant College of Engineering
Mechanical Engineering Department
TE Mech (2019 pat) AY 2022-23
Review I

Date:- 07/04/2023.

Sr. No	Group No.	Candidate Name	Marks (50)	Name of Guide	Sign of Guide
1	1	AAGHADE RUSHIKESH SANJAY	39	Dr. P.A.MAKASARE	
2		AMBRE AISHWARYA NITIN	40		
3		ANIKET CHAVAN	39		
4		BANASE PRATIK SHIVRAJ	40		
5		BARAMADE GANESH KIRAN	39		
6	2	BHANDARI JAYESH GANPAT	39	Mr. B. D. GARJE	
7		BHOSALE AKSHAY POPAT	40		
8		BIRDAWADE PRAJAKTA MAHESH	41		
9		BORATE KAMLESH RAJENDRA	39		
10		BOTKAR PRATIKSHA PRAKASH	37		
11	3	CHOUGULE SHITAL MALLAPA	41	Mr. B. B. KEDAR	
12		GAIKWAD SUPRIYA BHARAT	42		
13		GAURAV SUNIL DEORE	40		
14		GAUTAM SHAILESH CHHOTELAL	41		
15		GODSE SARTHAK BALASAHEB	40		
16	4	GUNJAL SHUBHAM DATTU	39	Mr. S.U. DESHPANDE	
17		HARSHALA RAVINDRA SHIRKE	39		
18		HONAWALE SURAJ NITIN	39		
19		INDURKAR BHUPESH RAJENDRA	38		
20		INGAVALE VIJAYSINGH PARBATI	42		
21	5	JADHAV LAXMI MAHADEV	39	Mr. V.S. MUNDE	
22		JADHAV PRIYA CHHOTURAM	39		
23		JADHAV RAHUL RANGRAO	37		
24		JADHAV VAIJANATH MADHUKARRAO	45		
25		KADAM PRAVIN SHIVAJI	42		
26	6	KADUSKAR ADITYA BHAUSAHEB	40	Mr. P.P. GEDAM	12-07-23
27		KATURE SHRINIVAS EKNATH	41		
28		KAWALE SHIVAM SADASHIV	40		
29		KEDARI GAURAV ASHOK	39		
30		KHAMBE ANIKET NARAYAN	40		
31	7	KHANDARE SAHIL BHASKARRAO	40	Ms. S.V. CHAMBHARE	
32		KOLLI HRITHIK SIDDANNA	41		
33		KULKARNI ANUSHA PADMAKAR	41		
34		KUMBHAR SANDESH GORAKHNATH	39		
35		KURADE SAMPADA RAJARAM	42		
36	8	LOKHANDE AMIT SURESH	40	Ms. S. B. GHOSE	
37		MAHALKAR BHIVA LAXMAN	37		
38		MAJGAONKAR MOHAMMAD TARIQ BARKAT ALI	41		
39		NAIK OMSHRI AJAY	37		
40		NANNAWARE GEETA RAMESH	42		
41		NIKAM HARSHADA RAMCHANDRA	43		

42		PALKAR SAVITRI MARUTI	44		
43	9	PATIL BHUSHAN SHANTARAM	43	Mr A. H. RAUT	
44		PATIL NIKITA VILAS	44		
45		PAWAR PRAJWAL BHARAT	43		
46		PAWAR PRAMOD SHANKAR	37		
47		PAWAR SAMARTH DINKAR	37		
48	10	PAWAR SHRUTI RAMCHANDRA	37	Mr. R. R. KULKARNI	
49		PAWAR SWAPNIL RAJU	42		
50		RAUT SUMIT MARUTI	44		
51		SABEER IMTIHAJAHMAD SHAIKH	39		
52		SAURABH MARUTI MEDGE	37		
53	11	SAWANT SAURABH DILIP	40	Ms. S. B. GHOSE	
54		SHAHU SANJAY KAKAD	41		
55		SINGH ABHAY SATENDAR	37		
56		SONAVANE PRATHAMESH GIRISH	42		
57		TAGAD BHUSHAN VISHVANATH	37		
58	12	TELANG PRASHANT VINAYAK	37	Mr. R. R. KULKARNI	
59		TIKANDE NIKHIL RAMDAS	42		
60		UDUGADE KISHOR DADASO	37		
61		UGALE VAIBHAV SHANKARRAO	43		
62		UPASANI SUYASH GANGADHAR	44		
63	13	VARADE BHUSHAN VISHNU	44	Mr. V.S. MUNDE	
64		WAGHLE YUVRAJ SHAM	40		
65		YADYNESH NITIN KHACHANE	43.		

Prof. V.S. Munde
Mini Project Coordinator

Dr. P.A. Makasre
HOD (MECH)

CAYMET'S

SIDDHANT COLLEGE OF ENGINEERING, SUDUMBARE

DEPARTMENT OF MECHANICAL ENGINEERING

NOTICE

26/05/2023

All the students of T. E. Mechanical Engineering are here by informed that 2nd Review has been scheduled on 31/05/2023 Wednesday.

All the Mini-project group members/ Internship doing students shall come prepared with followings.

- For Mini-Project group :-
  - Result and Conclusion.
  - A copy of Project Report.
- For Internship doing Students :-
  - Internship Diary/ Internship Workbook.
  - Attendance record.
  - Internship Report.
  - Completion Certificate.

All are informed to remain present for this review.

Venue: CAD/CAM lab.

Time: 11:30 a.m. onwards.

HOD (Mech)

CAYMET's
Siddhant College of Engineering
Mechanical Engineering Department
TE Mech (2019 pat) AY 2022-23
Review II

Date:- 31/05/2023

Sr. No	Group No.	Candidate Name	Marks (50)	Name of Guide	Sign of Guide
1	1	AAGHADE RUSHIKESH SANJAY	40	Dr. P.A.MAKASARE	
2		AMBRE AISHWARYA NITIN	41		
3		ANIKET CHAVAN	41		
4		BANASE PRATIK SHIVRAJ	39		
5		BARAMADE GANESH KIRAN	39		
6	2	BHANDARI JAYESH GANPAT	40	Mr. B. D. GARJE	
7		BHOSALE AKSHAY POPAT	39		
8		BIRDAWADE PRAJAKTA MAHESH	40		
9		BORATE KAMLESH RAJENDRA	40		
10		BOTKAR PRATIKSHA PRAKASH	39		
11	3	CHOUGULE SHITAL MALLAPA	40	Mr. B. B. KEDAR	
12		GAIKWAD SUPRIYA BHARAT	39		
13		GAURAV SUNIL DEORE	41		
14		GAUTAM SHAILESH CHHOTELAL	40		
15		GODSE SARTHAK BALASAHEB	41		
16	4	GUNJAL SHUBHAM DATTU	42	Mr. S.U. DESHPANDE	
17		HARSHALA RAVINDRA SHIRKE	42		
18		HONAWALE SURAJ NITIN	43		
19		INDURKAR BHUPESH RAJENDRA	40		
20		INGAVALE VIJAYSINGH PARBATI	43		
21	5	JADHAV LAXMI MAHADEV	42	Mr. V.S. MUNDE	
22		JADHAV PRIYA CHHOTURAM	42		
23		JADHAV RAHUL RANGRAO	37		
24		JADHAV VAIJANATH MADHUKARRAO	45		
25		KADAM PRAVIN SHIVAJI	42		
26	6	KADUSKAR ADITYA BHAUSAHEB	41	Mr. P.P. GEDAM	
27		KATURE SHRINIVAS EKNATH	40		
28		KAWALE SHIVAM SADASHIV	40		
29		KEDARI GAURAV ASHOK	40		
30		KHAMBE ANIKET NARAYAN	40		
31	7	KHANDARE SAHIL BHASKARRAO	39	Ms. S.V. CHAMBHARE	
32		KOLLI HRITHIK SIDDANNA	39		
33		KULKARNI ANUSHA PADMAKAR	40		
34		KUMBHAR SANDESH GORAKHNATH	41		
35		KURADE SAMPADA RAJARAM	39		
36	8	LOKHANDE AMIT SURESH	40	Ms. S. B. GHOSE	
37		MAHALKAR BHIVA LAXMAN	37		
38		MAJGAONKAR MOHAMMAD TARIQ BARKAT ALI	39		
39		NAIK OMSHRI AJAY	37		
40		NANNAWARE GEETA RAMESH	42		
41		NIKAM HARSHADA RAMCHANDRA	44		

42	9	PALKAR SAVITRI MARUTI	43	Mr A. H. RAUT	
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63		VARADE BHUSHAN VISHNU	43		
64		WAGHLE YUVRAJ SHAM	40		
65		YADYNESH NITIN KHACHANE	42		

Prof. V.S. Munde
Mini Project Coordinator

Dr. P.A. Makasre
HOD (MECH)

A

INTERNSHIP TRAINING

REPORT

ON

" LEENA ENGINEERING WORKS, SOLAPUR."

Submitted By: -

Miss. Harshala R. Shirke

(PRN NO: -72297693D)

In partial fulfillment of the requirements for the award of the degree of

BACHELOR OF TECHNOLOGY

IN

MECHANICAL ENGINEERING

To

Savitribai Phule Pune University,

Pune

DEPARTMENT OF MECHANICAL ENGINEERING

CAYMET'S

SIDDHANT COLLEGE OF ENGINEERING

Academic Year: - 2022- 23

CAYMET'S

SIDDHANT COLLEGE OF ENGINEERING

CERTIFICATE

This is to certify that the vocational in- plant training in **"LEENA ENGINEERING WORKS, SOLAPUR."** has been completed successfully and the report of the same has been submitted by **'Miss. Harshala R. Shirke** of third year (Mechanical Engineering) **PRN NO: -72297693D** in the partial fulfillment of the curriculum laid by **Savitribai Phule Pune University,** Pune during the academic year 2022- 23.

Mr. S.U. Deshapande
Sub Teacher

Siddhant College of Engineering SEAL

Dr. Pranay Makasare
Head Mech. Engg. Dept.

Dr. L. V. Kamble
Principal
SIDDHANT COLLEGE OF ENGINEERING

Leena

ENGINEERING WORKS

Plot No. 156, Industrial Estate, Hotgi Road, Solapur 413 003
Tel : (0217) 2601501 | Email : leenaengwks@yahoo.co.in

Certificate

This is to certify that Mrs. Harshala Ravindra Shinke
of S.C.O.E. PUNE. *Roll No.* JEME16
has completed his In Plant Training in our works from 20-02-23
to 20-03-23 .

He has taken training on CNC VMC and Conventional Machines.

LEENA ENGINEERING WORKS SOLAPUR

Leena
ENGINEERING WORKS
CEO

SEM- I (2021-22)
2021

Class:- BE (IT)

Date :24th Sept 2021

Notice (Project Review-I)

All the students of BE Information Technology Engineering are hereby informed that, **Project Review-I** is scheduled on **1st October, Friday at 11.00 am.** All the Project Groups are supposed to contact the respective Guides and discuss the status of the project before. Project Groups Should Prepare the Presentation (PPT) for review. Following Points to should be included in Presentation:

1. **Introduction**
2. **Problem statement**
3. **Objectives**
4. **Concept**
5. **Plan (Complete Plan to Finish the Project)**
6. **Literature Review**

This review has weightage of 50% of Term work marks. Project Groups should prepare the Presentation accordingly.

All the Group members should be present at the time of Project Review.

Prof. Rashmi Kulkarni
Project coordinator
(9689910756)

Siddhant College of Engineering SEAL Sudumbare, Pune-412109

Dr. B. Gupta
Head of Department (IT)

Head of Info. Tech. Dept.
Siddhant College of Engineering
Sudumbare, Maval, Pune-412 109.

Siddhant College of Engineering.
(Approved by AICTE, Recognized by Govt. of Maharashtra and Affiliated to S.P. Pune University & MSBTE)

Department of Information and Technology

SEM- I (2021-22) Class:- BE (IT) Date :24th Sept 2021

Project Review I Schedule

Panel	Date	Time	Project Group No	Location	Expert 1	Expert 2
1	01/10/2021 Friday	11.00 AM to 1:00 PM	1,2 5, 6 8	C19	Prof. R. G. Kulkarni	Prof. S. Rangdale
2			7,9, 10	C21	Prof. C. B. Sharma	Prof. A. Bhosale
5			3 , 4	C-23	Prof. J. M. Pingalkar	Prof. R. G. Kulkarni

Prof. Rashmi Kulkarni
Project coordinator
(9689910756)

Siddhant College of Engineering SEAL Sudumbare, Pune-412109

Dr. B. Gupta
Head of Department (IT)

Head of Info. Tech. Dept.
Siddhant College of Engineering
Sudumbare, Maval, Pune-412 109.

SEM- I (2021-22) Class:- BE (IT) Date :11th Nov 2021

Notice (Project Review -II)

All the students of BE Information Technology are hereby informed that, **Project Review-II** is scheduled on **15th November ,Monday at 10.00 am**. All the Project Groups are supposed to contact the respective Guides and discuss the status of the project before. Project Groups Should Prepare the Presentation (PPT) for review. Following Points to should be included in Presentation:

1. **Introduction**
2. **Problem statement**
3. **Objectives**
4. **Concept**
5. **Plan (Complete Plan to Finish the Project)**
6. **Literature Review**
7. **Current status of the Project**

This review has weightage of 50% of Term work marks. Project Groups should prepare the Presentation accordingly.

All the Group members should be present at the time of Project Review.

Prof. Rashmi Kulkarni
Project coordinator
(9689910756)

Siddhant College of Engineering SEAL Sudumbare, Pune-412109

Dr. B. Gupta
Head of Department (IT),

Head of Info. Tech. Dept.
Siddhant College of Engineering
Sudumbare, Maval, Pune-412 109.

SEM- I (2021-22) Class:- BE (IT) Date : 11th Nov 2021

Project Review II Schedule

Panel I	Date	Time	Project Group No	Location	Expert 1	Expert 2
1	15/11/2021 Monday	10.00 AM to 12:00 NOON	1,2	C-19	Prof. R. G. Kulkarni	Prof.S.Rangdale
			5, 6			
			8			
2			7,9, 10	C-21	Prof. C. B. Sharma	Prof. A. Bhosale
5			3 , 4	C-23	Prof. J. M. Pingalkar	Prof. R. G. Kulkarni

Prof. Rashmi Kulkarni
Project coordinator
(9689910756)

Siddhant College of Engineering SEAL Sudumbare, Pune-412109

Dr. B. Gupta
Head of Department (IT)

Head of Info. Tech. Dept.
Siddhant College of Engineering
Sudumbare, Mavai, Pune-412 109.

28/6/23.

To
principal
SCOE (pune)
Sudumbre (412109)
Date

Subject: Out of the syllabus questions in Question paper of software engineering [6002] -162 and syllabus issue with question paper.

Respected sir,

We, the students of second year computer engineering, SCOE, sudumbre (pune), faced some issue with question-paper of software engineering end-sem 2023.

The issues are as follow:
- Q.3 a) was out of syllabus
- Q.3 b) was out of syllabus
- Q.4 a) was out of syllabus
- Q.4 b) was out of syllabus
- Q.5 a) was out of syllabus
- Q.6 b) was out of syllabus
- Q. b) was out of syllabus.

So, we request higher authorities to take a note of it and take appropriate actions on it.

Thanking you...

Yours sincerely
All SE CS students
SCOE, sudumbre
(pune) 412109

Paper is really out of syllabus. 28/6/23

CEO | HOD (Comp)

To check the Genuinity of the problem & necessary Communication to the concern Authority

HVKable 28/6/23.

Related to Software Engg. Paper 2023 May Grievance.

1] Aaditya Anil Chaudhari
2] Nikita Ramesh Adak
3] Babar Shivraj Rajendra
4] Tejas Dipak Badgujar
5] Apeksha Shrikant Badhe
6] Divesh Ravindra Baviskar
7] Ajinkya Rajendra Bhase
8] Rahul Yashwant Bhegade
9] Anand Ramesh Budruk
10] Bhor Soham Shekhar
11] Bhosle Maharudra Laxman
12] Bhole Sagang Subhash
13] Omkar Basavaraj Chavdhari.
14] Biradar Rohit Bhavat
15] Sneha Datta Chorage
16] Deshmukh Avishkar Vivek
17] Dewadkar Abhishek Ganesh
18] Divekar Onkar Badrinath
19] Gadge Amit Anil
20] Gaikwad Dhanashri Ramdas
21] Rutuja Sandip Gangane
22] Sakshi Ramesh Gaonkar
23] Saurabh Shrimant Khavale
24] Aryan Jijabo Kamble
25] Kakade Abhishek Ashokrao
26] Kadam Narsing Madhav
27] Gurav Prathamesh Pattatray
28] Hande Prafulla Prakash
29] Harde Tejas Amol.
30] Shashank S. Itagi
31] Ashwini Ravindra Jadhav
32] Hemita Ganesh Jadhav

PTO.

33) Shruti. Jeevan. Jadhav
9) Sudesh Prashant Jadhav
35] Swapnali Shivaji Jadhav
36] Swapnil Shivaji Jadhav.
37] Jaiswal Ruturaj Dipak
38) Jadhav Mayur Digambar
39] Kadam Sakshi Ankush
40) Kadu Rutuja Rajabhau
41) Kale Piyush Poemnath
42) Kalyani Yash Sudhir
43) Geetanjali Amar Kande
44] Divya Chandrakant Karande
45] Karne Abhijeet Sambhaji
46] Kawade Sheshrao Pandurang
47] Kedar Ajinkya Bhagwan
48) Kele Rushikesh Dattatray
49 Nilesh Murlidhar Khairnar
50) Khartude Rahul Gajanan
51) Khedkar Darshan Dhananjay
52) Khilari Rahul Chandrakant
53) ANIRUDDHA DILIP KHOUDE
54) chaitanya Rajendra Kokate
55) Deepika. Suresh. Koli
56) Sanika Kamlakar koli
57) Yewade Mahesh Ratnakar
58) Yeole Rashmi Vilas
59) Yadav Abhishek Premkishor
60) Patil Vitthal prakash
617 Varma Shraddha Rajesh
62) zambare Mauli Sudam
63) Daund piyush Rajendra

CHAUDHARI ATARSINGH YADAV MEMORIAL EDUCATION TRUST'S,
SIDDHANT COLLEGE OF ENGINEERING
(College of Engineering Recognised by D.T.E. (Govt. of Mah.) and Affiliated to the S.P. Pune University)
Linguistic Minority (Hindi)
At. Post - Sudumbare, Tal. - Maval, Dist. - Pune, PIN - 412 109.
I.D. No. PU/PN/Engg/231(2005), AISHE Code- C-41286, University PUN Code-CEGP012140

☎ 02114-661904/661902/661901
Website: - www.siddhantcoe.in E-mail:engineeringprincipal@gmail.com

Ref. No- SCOE/Admin/004/2023-24 Date:- 03/7/2023

To,
The Cap Director,
SE Engineerings,SPPU,
Pune.

Sub:- Grievance Received by Second Year Students from Computer Science for SPPU Examination May/June- 2023.

Respected Sir,

The grievance is received by SE (Computer Science) students regarding the question paper for the subject of Software Engineering examination held on 27th June 2023. The letter enclosed with this application regarding the grievance claim for above subject.

This is for your information & do the needful please.

(Prof.M.U.Inamdar)
CEO

Siddhant College of Engineering SEAL Sudumbare Pune-412109

(Dr.L.V.Kamble)
Principal
Siddhant College of Engineering
Sudumbare,Pune - 412 109

Received by
5/7/23

D.Y. PATIL COLLEGE OF ENGINEERING SE-CAP

Total No. of Questions : 8]

SEAT No. :

P-1533

[Total No. of Pages : 2

[6002]-162

S.E. (Computer/A.I.& D.S.)

SOFTWARE ENGINEERING

(2019 Pattern) (Semester - IV) (210253)

Time : 2½ Hours] *[Max. Marks : 70*

Instructions to the candidates:

1) *Answer Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6, Q.7 or Q.8.*
2) *Neat diagrams must be drawn wherever necessary.*
3) *Figures to the right side indicate full marks.*
4) *Assume suitable data, if necessary.*

Q1) a) Explain any four design concepts with appropriate example. [9]

b) What is design pattern? How patterns can be used in design? [9]

OR

Q2) a) Explain the Data-flow architecture and Layered Architecture in detail. [9]

b) Explain the golden rules for User Interface Design. [9]

Q3) a) What question needs to be answered in order to develop a project plan according to W^5HH principle? [9]

b) Explain the project management life cycle. [8]

OR

Q4) a) Explain with appropriate example how schedule can be prepare using PERT. [9]

b) List and explain the different metrics in the process and project domain. [8]

Q5) a) Describe the software quality dilemma in your own words. [9]

b) What are the objectives of testing? Explain the different types of testing. [9]

P.T.O.

OR

Q6) a) What is software quality? Write the different quality metrics. **[9]**

b) What is test case design? Write the various approaches for test case design. **[9]**

Q7) a) What is SCM? Write short note on SCM Elements. **[9]**

b) What is Risk? Explain the reactive and proactive risk strategies with appropriate examples. **[8]**

OR

Q8) a) Explain the repository features with respect to software configuration management. **[9]**

b) Write short note on CASE TOOLS for software development. **[8]**

SAVITRIBAI PHULE PUNE UNIVERSITY

(Formerly University of Pune)

NOTIFICATION

Subject: Re-examination of Second Year Engineering program (Computer/AIDS) (2019 Pattern) subject – Software Engineering for the March 2023 exam.

As per the previous timetable declared on 17 May 2023 the examination for SE (Computer/AIDS) (2019 pattern) subject – Software Engineering was conducted on 27 June 2023 is being cancelled due to many questions were out of syllabus. The decision of conduct the re-examination for the same has been taken by the Board of Examinations and Evaluation meeting held on 4th July 2023 and as per the power vested to it by Maharashtra Public University Act 2016 section 48.

The details as follow.

Sr. No.	Branch Name	Subject code	Subject Name	Re-examination Day, Date & Time
1	S.E. (2019 PATTERN) (COMPUTER/ AIDS) SEM - IV	210253	Software Engineering	Monday 10.07.2023 11.00 a.m. to 01.30 p.m.

The Principals of all Engineering colleges are requested to bring the contents of this notification to the notice of all students, teachers and all other concerned.

Pune - 411007.
Date : 04/07/2023

Director
Board of Examinations and Evaluation.

Copy to:

1. Deputy Registrars (Exam Section)
2. Assistant Registrar, Exam. (S & T Unit) for further necessary action.
3. Section Officer, Engineering Section

CAYM EDUCATION TRUST'S
SIDDHANT COLLEGE OF ENGINEERING
(College of Engineering Recognised by D.T.E. (Govt. of Mah.) and Affiliated to the University of
At. Post - Sudumbare, Tal. - Maval, Dist. - Pune, PIN - 412 109.
I.D. No. PU/PN/Engg/231(2005), AISHE Code- C-41286

☎ 02114-661904, 661966 Fax No. 02114-661902
Website: - www.siddhantcoe.in E-mail:engineeringprincipal@gmail.com

Ref. No- SCOE/Admin/722/2021-22 Date:- 24/6/2022

To,
The Deputy Registrar,
Examination Section
S.P. Pune University,
Pune-411007.

Subject :- Unfair Means .

Respect Sir,

We are sending One Copy Case on Date 23/06/2022 ,their details as bellow :-

Sr. NO.	NAME OF THE STUDENT	EXAM SEAT NO.	SUBJECT	DATE
1	Gaikwad Supriya Bharat	S190440812	Applied Thermodynamics	23/06/2022

Dr. R.L. Khandagale
Principal.
Siddhant College of Engineering
Sudumbare,Pune - 412 109

SEAL

Copy case - conf@unipune.ac.in

Report to the Jr. Supervisor/Sr. Supervisor/Chief Conductor

Block No: 09
Examination: May-June 22
Subject: Applied Thermodynamics
Date: 23/06/2022

To

The Controller of Examinations,
University of Pune
Ganeshkhind, Pune-411 007.

Sir

I Shikha Pant the undersigned, Jr. Supervisor appointed on the above-mentioned Block at the May - 22 examination held at Siddhant College of Engg College (Centre), am hereby making report against Candidate No. S190440812 Shri/Smt. Supriya Gaikwad the examinations, as follows;

Yours faithfully,

Shikha Pant.
(Jr. Supervisor)
Date: 23/06/22

Time:

Name & Address of the Junior Supervisor
Prof. Shikha Pant
A'SCOE, Sudumbre.

On the basis of the report made by the Jr. Supervisor, I am of the opinion that there is a prima facie case of Unfair Means resorted to by the aforesaid Candidate No. and therefore the case be forwarded to the University for investigation.

Signature of Sr. Supervisor

Name: Prof. S.B Shinde.

Date: 23/06/2022

Forwarded to the Controller of Examinations, University of Pune, Ganeshkhind, Pune-411 007 for necessary action.

Senior Supervisor
University of Pune Exam.
Siddhant College of Engineering
Sudumbare, Maval, Pune-412 109

Seal of the College/Institution/University (Centre)

Place: Sudumbare
Date: 23/06/22.
Encl

Signature of Chief Conductor

(N.B.: Kindly enclose a copy of the relevant question paper.)

Principal
Siddhant College of Engineering
Sudumbare, Maval, Pune - 412 109

PROFORMA 'B'

Proforma for submission of the Information regarding prosecution of Candidates appeared at the Centre

Centre No.	Examination	Name and Seat No. of the Candidate Prosecuted	Date of Prosecution	Report of which the candidate was found malpractsing and nature of malpractice in brief	Name of the Person who detected the malpractice	Signature of Jr. Supervisor	Signature of Sr. Supervisor	Signature of Chief Conductor	Remarks
1	2	3	4	5	6	7	8	9	10
1.	May/June-2022	Malpractice S190460 812	23/08/22	2 Chits Found	External Squad		KPS Shirdi	1	

Siddhant College of Engineering Sudumbare, Pune - 412 109

SEAL

23/8/22

Principal
Siddhant College of Engineering
Sudumbare, Tal-Maval, Pune - 412 109

CAYM E.T.'S
SIDDHANT
COLLEGE OF ENGINEERING

A/P- Sudumbare,Taluka. Maval, Dist. Pune - 412109
Ph. - 02114 - 661001, 661591 Fax: 02114 - 661902

STUDENT IDENTITY CARD

Name : Supriya Gaikwad

Class : SE

Gaikwad
Card Holder's Sign

Academic Year : 2021-22

Roll No. 12

Permanent Address : Akurdi
pune

Tel No. : 8484950779

Blood Group :

Issue Date : 16/06/2022

Principal

In Case of Emergency Contact

Name : Shirke harshala

Tel No. : 9145012961

SIDDHANT COLLEGE OF ENGINEERING

Savitribai Phule Pune University

(Formerly University of Pune)

HallTicket For S.E.(2019 PAT.)(MECHANICAL) Mar/Apr 2022

SeatNo	PRN	CentreCode	CollegeCode	PUN Code
S190440812	72297653E	44	44	CEGP012140

Name : GAIKWAD SUPRIYA BHARAT

Mother : GAIKWAD JYOTI BHARAT

Centre : SIDDHANT COLLEGE OF ENGINEERING, SADUMBARE

Sub Code	Subject Name	Type	Exam Date	Exam Time
202047	Kinematics of Machinery	[IN], [TH], [OR]		
202048	Applied Thermodynamics	[IN], [TH], [OR]		
202049	Fluid Mechanics	[IN], [TH], [OR]		
202050	Manufacturing Processes	[IN],[TH]		
202051	Machine Shop	[TW]		
202052	Project Based Learning -II	[TW]		
202053F	TECHNICAL WRITING/ RESEARCH WRITING	[AC]		
207002	Engineering Mathematics - III	[IN], [TH], [TW]		

NOTE:

Students should ensure that details like Name,Photo, PRN, Subjects printed on Hall Ticket are correct. Incase of any discrepancy, please immediately contact to College Exam Officer (CEO).

In Case,College does not have Exam Center,please follow University Circular.

In Case of any discrepancy between hallticket & time table published on university website (http://exam.unipune.ac.in), the timetable on website to be followed.

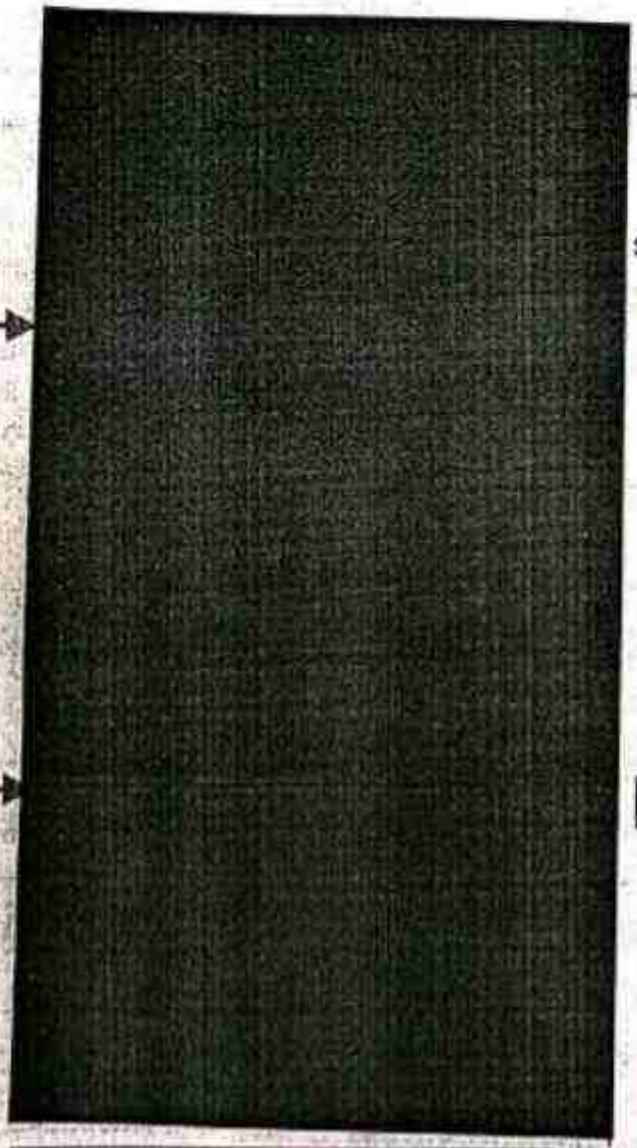
Signature of Student

College Principal/Director
Siddhant College of Engineering
SIDDHANT COLLEGE OF ENGINEERING, Pune - 412 109

College Examination Officer
University of Pune
Siddhant College of Engineering
Sudumbare, Maval, Pune 412109.

UID Sticker paste here

BA



SAVITRIBAI PHULE PUNE UNIVERSITY

202048-AT

Sem:4 7021912

Instruction to Candidate

1. Candidate has to confirm seat number, subject and centre number printed on Bar code and write it on attendance sheet.
   विद्यार्थ्याने प्रथम बार कोडवरील आसन क्रमांक, विषय व केंद्र क्रमांक तपासून योग्य असल्याची खात्री करावी. आणि उपस्थित पत्रकावर नोंदवावी.
2. Paste Bar Code in prescribed space.
   उत्तरपत्रिकेवरील विहित जागेतच बार कोड लावावा.
3. Do not write anything on bar code sticker, otherwise it will be treated as unfairmeans.
   बार कोड स्टिकरवर काहीही लिहू नये, अन्यथा परीक्षा गैरप्रकार समजला जाईल.

Q. No.	Examiner		Moderator	
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
Total in Figure				
Total in Words				
Signature				

Supplements attached		
Main Answer Book	No. of Supplements	Total
1 +		=

Specific remarks of Centre conductor regarding malpractice (in Red Ink)

Total	Marks in Figure	Marks in Words	Sign
Examiner			
Moderator			

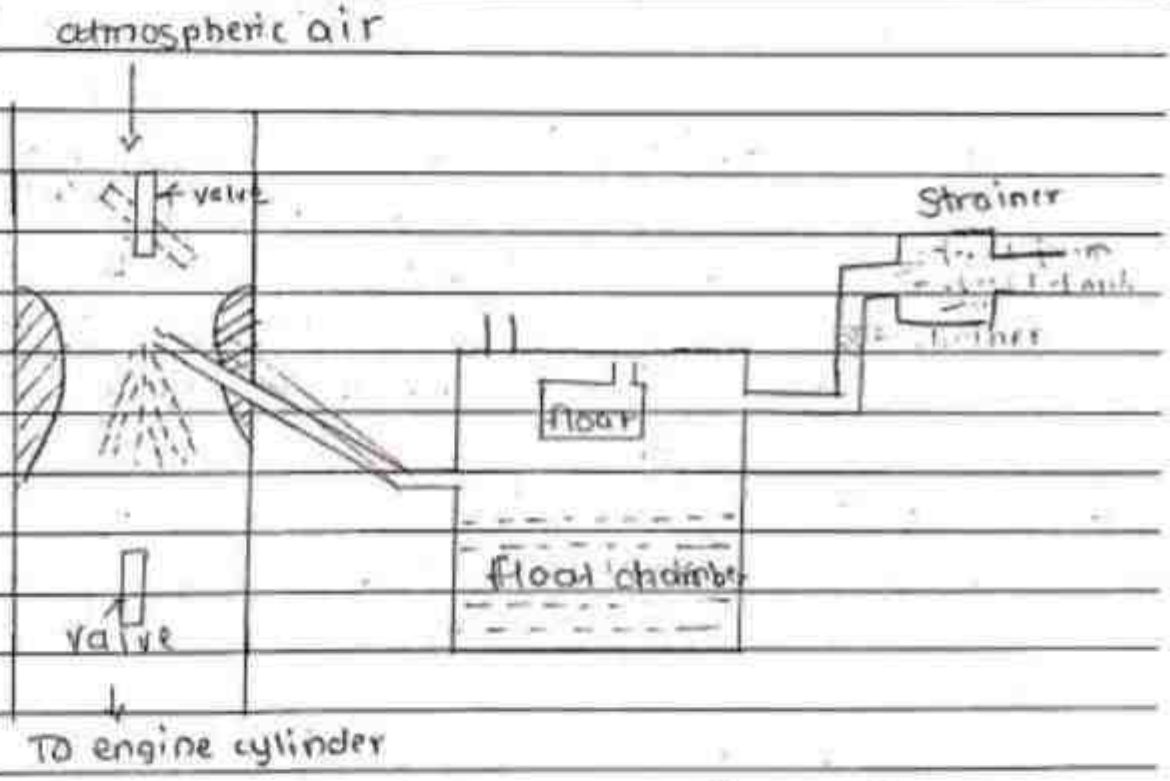
प्र. क्र./Q. No.

Q1 a)

carburettor :-

carburetor is a device used for mixing of air and fuel in the cylinder called carburettor. carburetor mixes the air from atmosphere and fuel from fuel tank in proper air-fuel ratio.

Simple carburetor :-



- Simple carburettor consists of a float float chamber and venturi.

- float is mounted inside the float chamber.

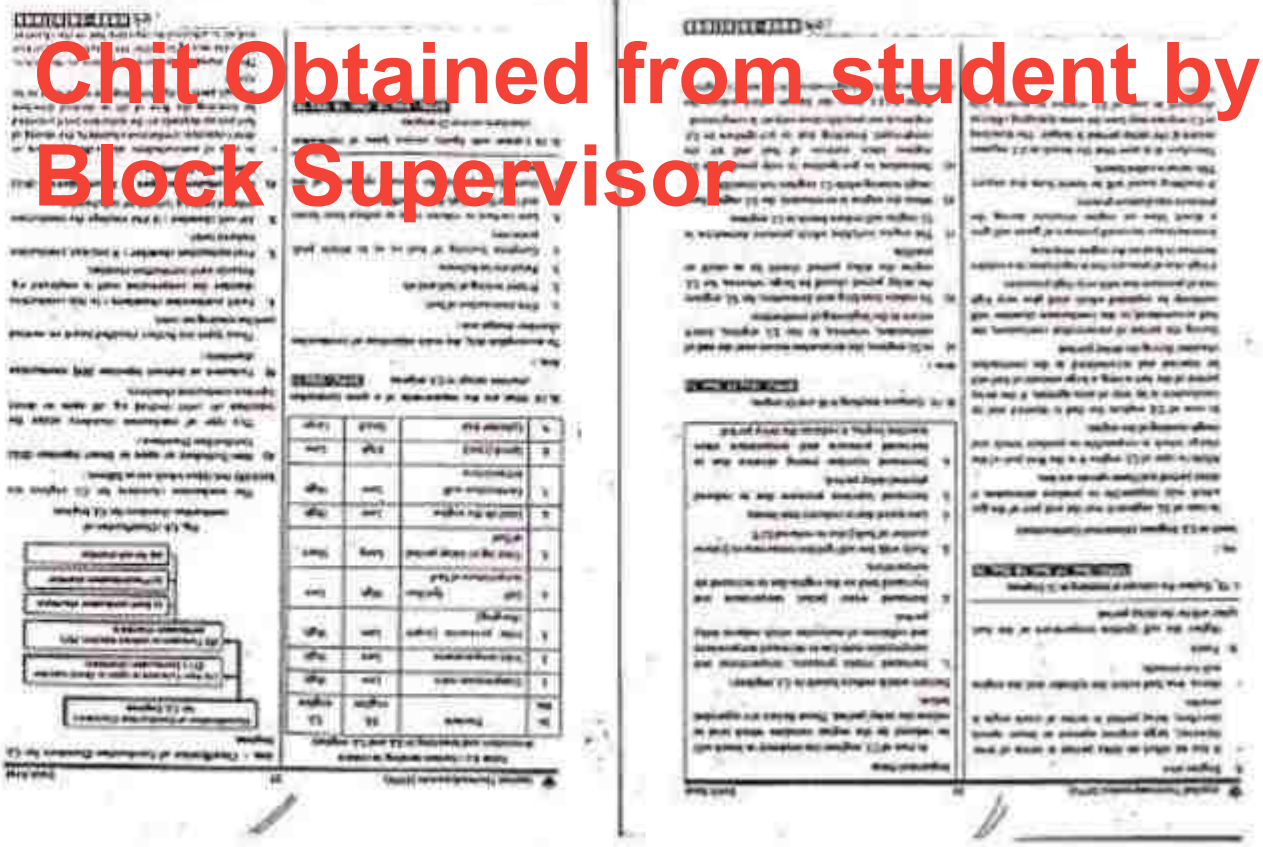
- fuel is collected from fuel tank through strainer in the float chamber.

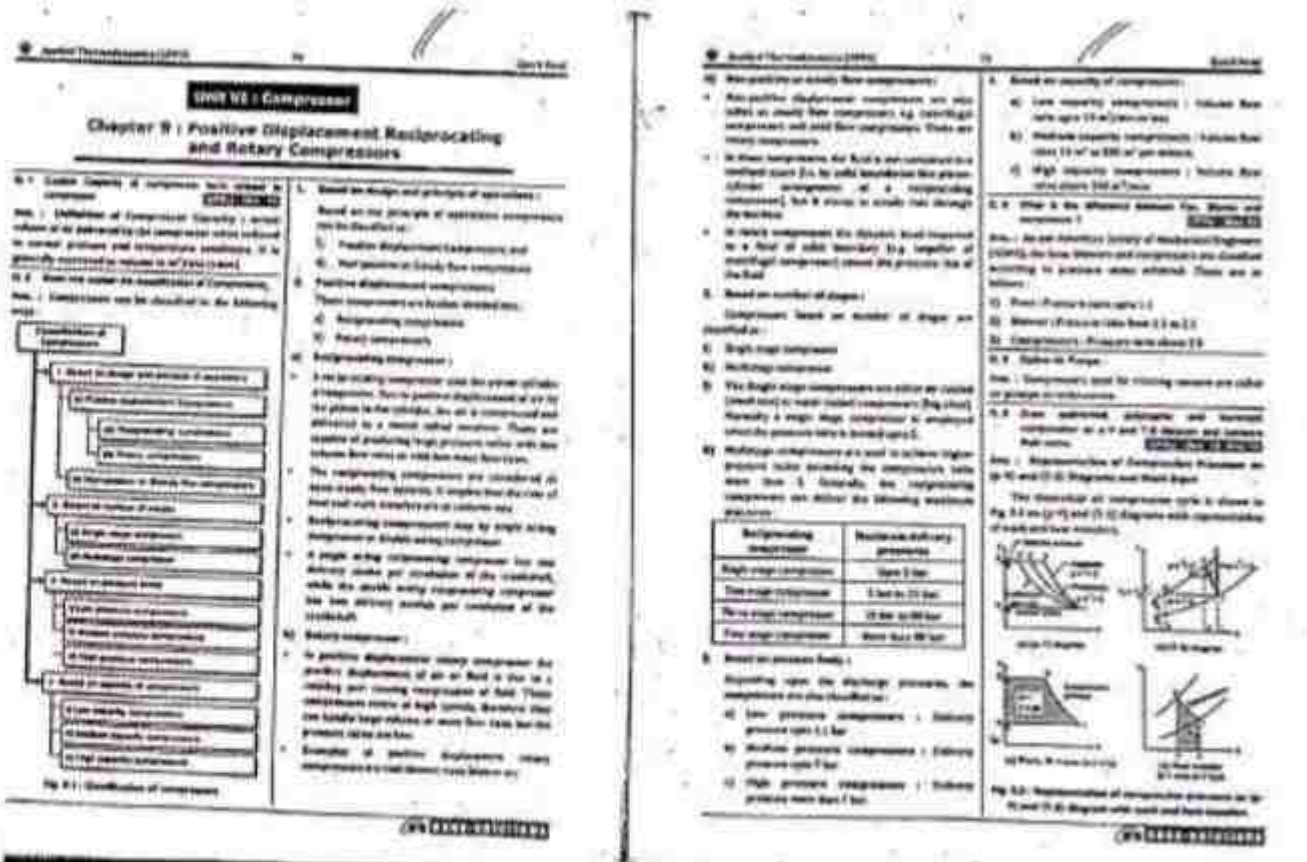
- From float chamber fuel is goes inside the carburettor venturi through pipes or tubes.

- An atmospheric air is collected from the atmosphere. In the venturi air is mixes with the fuel from float and this air fuel mixture then passed inside the engine cylinder.

- A suction of engine draws air through the choke tube and passes through the venturi since the area of cross-section at throat of venturi reduces the pressure at main nozzle reduces and velocity of air increases.

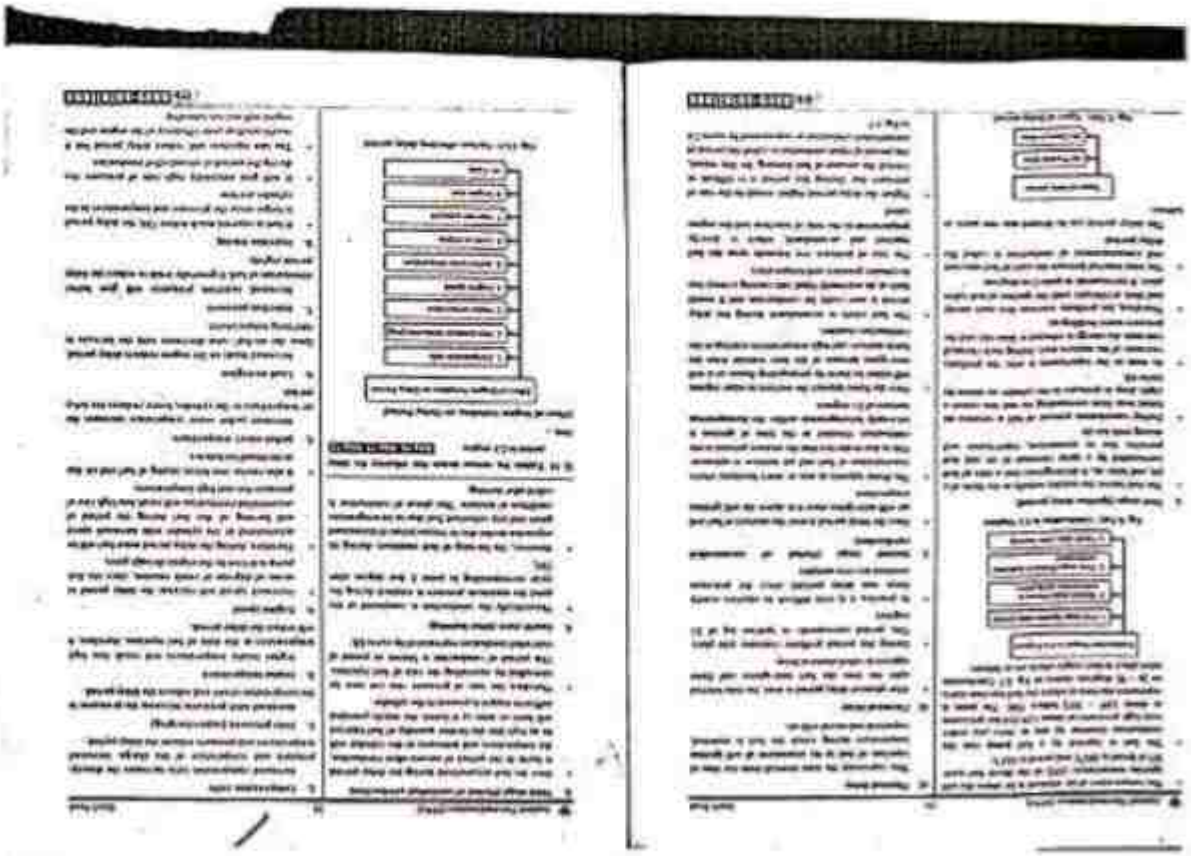
- Due to pressure differential caused at the main nozzle and the pressure in float chamber.



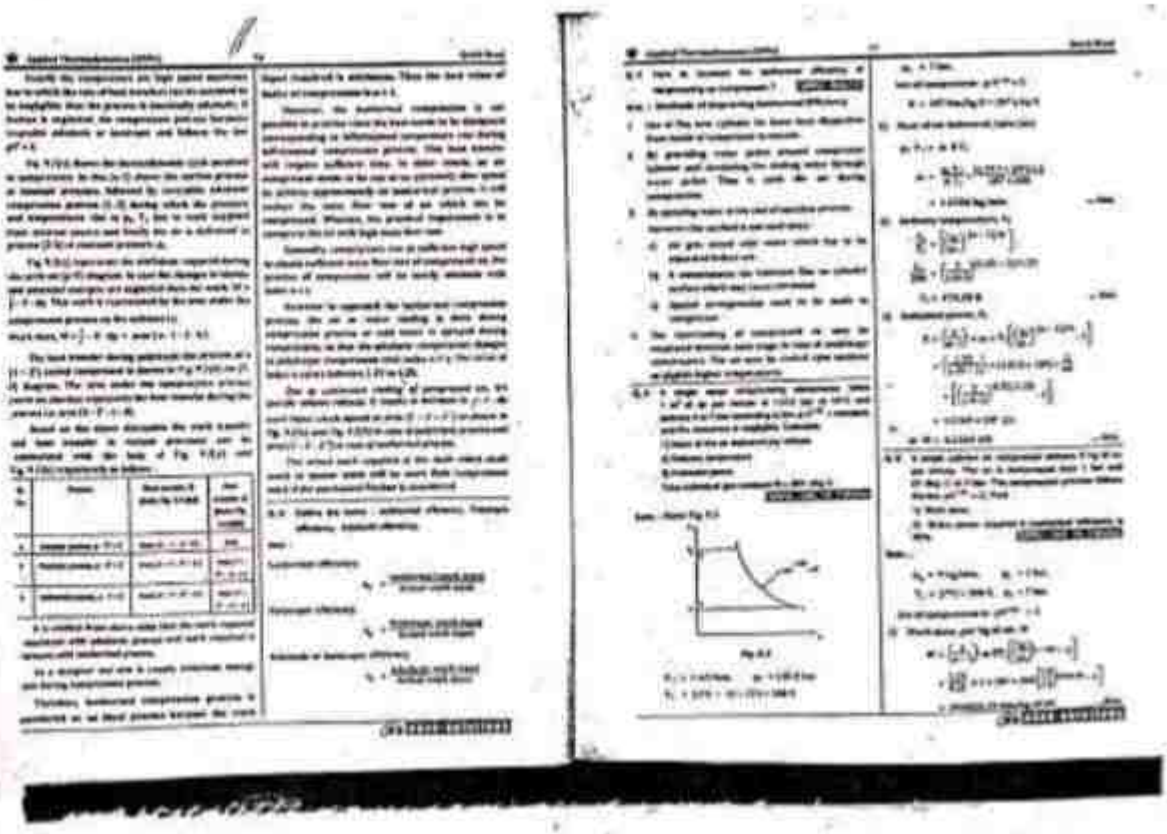


Unit VI : Compressor

Chapter 9 : Positive Displacement Reciprocating and Rotary Compressors



Chit Obtained by B Block Supervisor from Student



STUDENT COPY

Ref. No. Exam/Certi/U.F./ 419

EXAMINATION DEPARTMENT
Certificate Section (Unfair means unit)
Ganeshkhind,PUNE-7,INDIA
Phone: (020)25601207/17

Date : 08/07/2022

Shri/Smt : GAIKWAD SUPRIYA BHARAT

Subject- Show Cause Notice (under clause 10(i) of Ordinance 09)In respect of Unfair means at the University examination held in March/April,2022

Sir/Madam,

This is to inform you that the University has received a report about unfair means case resorted by you during the examination held in March/April,2022. The details of the unfair means alleged to have been committed by you are given below:-

Case No	: SE022
Examination	: S.E.(2019 PAT.)(MECHANICAL)
Seat Number	: S190440812
Centre	: SIDDHANT COLLEGE OF ENGINEERING, SADUMBARE
Subject	: 202048-Applied Thermodynamics
Date of Examination	: 23/06/2022
Nature of Unfair means	: You were carrying Printed, Xeorx Material related to the examination.

You are therefore asked to remain present before the said Unfair Means Committee in the University Examination Office on 20/07/2022 at 02:00 pm along with your written explaination (as per the enclosed format) to this Show Cause Notice.

You should also bring your examination hall ticket and college identity card.

Yours Faithfully

Note:Forwarded through Principal with stamp

Deputy Registrar(Examinations)
Certificate Unit

Encl : as above

SAVITRIBAI PHULE PUNE UNIVERSITY

Ganeshkhind,Pune 411 007

Note: Pay Fine Using Link- http://pun.unipune.ac.in/copycase/StudLogin.aspx

Sr.No.	Case No	Seat No.	Recommendations
First Interaction			
1	BARCH001	13045	Absent
2	BE001	B150580126	Annulment of the performance of the student in the 401007-Dams and hydraulic Structres subject and Fine Rs. 1000/-
3	BE002	B151014265	Annulment of the performance of the student in the 410250-Machine Learning subject and Fine Rs. 1000/-
4	BE003	B151010026	Annulment of the performance of the student in the 401007-Dams and hydraulic Structres subject and Fine Rs. 1000/-
5	BE004	B151010828	Annulment of the performance of the student in the 402047-Energy Engineering subject and Fine Rs. 1000/-
6	BE005	B150530025	Annulment of the performance of the student in the 401007-Dams and hydraulic Structres subject and Fine Rs. 1000/-
7	BE006	B150531064	Annulment of the performance of the student in the 402047-Energy Engineering subject and Fine Rs. 1000/-
8	BE007	B150930844	Annulment of the performance of the student in the 402047-Energy Engineering subject and Fine Rs. 1000/-
9	BE008	B150123046	Annulment of the performance of the student in the 404190-Broadband Communication Systems subject and Fine Rs. 1000/-
10	BE009	B150123015	Annulment of the performance of the student in the 404190-Broadband Communication Systems subject and Fine Rs. 1000/-
11	BE010	B151230038	Annulment of the performance of the student in the 401008-Quantity ,Surveying , Contracts and tenders subject and Fine Rs. 1000/-
12	BE011	B150980013	Annulment of the performance of the student in the 401008-Quantity ,Surveying , Contracts and tenders subject and Fine Rs. 1000/-
13	BE012	B150984235	Annulment of the performance of the student in the 410251-Information and Cyber Security subject and Fine Rs. 1000/-
14	BE013	B150982522	Annulment of the performance of the student in the 403148-POWER ELECTRONIC CONTROLLED DRIVES subject and Fine Rs. 1000/-
15	BE014	B150660802	Annulment of the performance of the student in the 402048-Mechanical System Design subject and Fine Rs. 1000/-
16	BE015	B150660805	Annulment of the performance of the student in the 402048-Mechanical System Design subject and Fine Rs. 1000/-

81	SE020	S190538652	Annulment of the performance of the student in the 214451-Processor Architecture subject and Fine Rs. 1000/-
82	SE021	S190534239	Annulment of the performance of the student in the 210252-Data Stuctures and Algorithms subject and Fine Rs. 1000/-
83	SE022	S190440812	Annulment of the performance of the student in the 202048-Applied Thermodynamics subject and Fine Rs. 1000/-
84	SE023	S191150038	Absent
85	SE024	S191150848	Annulment of the performance of the student in the 202049-Fluid Mechanics subject and Fine Rs. 1000/-
86	SE025	S191150042	Absent
87	SE026	S191150849	Annulment of the performance of the student in the 202049-Fluid Mechanics subject and Fine Rs. 1000/-
88	SE027	S191094321	Declare the result and Fine Rs. 1000/-
89	SE028	S191092019	Declare the result and Fine Rs. 1000/-
90	SE029	S191092055	Declare the result and Fine Rs. 1000/-
91	SE030	S190080894	Declare the result and Fine Rs. 1000/-
92	SE031	S190080933	Declare the result and Fine Rs. 1000/-
93	SE032	S190080937	Declare the result and Fine Rs. 1000/-
94	SE033	S190082024	Declare the result and Fine Rs. 1000/-
95	SE034	S190082068	Declare the result and Fine Rs. 1000/-
96	SE035	S190080917	Declare the result and Fine Rs. 1000/-
97	SE036	S190080891	Declare the result and Fine Rs. 1000/-
98	SE037	S190352050	Annulment of the performance of the student in the 217526- Statistics subject and Fine Rs. 1000/-
99	SE038	S190350835	Annulment of the performance of the student in the 202049-Fluid Mechanics subject and Fine Rs. 1000/-
100	SE039	S191134222	Annulment of the performance of the student in the 210253-Software Engineering subject and Fine Rs. 1000/-
101	SE040	S190054267	Annulment of the performance of the student in full and Fine Rs. 1000/-
102	SE041	S190350814	Annulment of the performance of the student in the 202050-Manufacturing Processes subject and Fine Rs. 1000/-
103	SE042	S190532585	Annulment of the performance of the student in the 203148-Numerical Methods & Computer Programming subject and Fine Rs. 1000/-
104	SE043	S190534297	Annulment of the performance of the student in the 210254-Microprocessor subject and Fine Rs. 1000/-
105	SE044	S190532612	Annulment of the performance of the student in the 203148-Numerical Methods & Computer Programming subject and Fine Rs. 1000/-
106	SE045	S190530963	Annulment of the performance of the student in the 202050-Manufacturing Processes subject and Fine Rs. 1000/-
107	SE046	S190530865	Annulment of the performance of the student in the 202050-Manufacturing Processes subject and Fine Rs. 1000/-

No.: 22 - 0157599

SAVITRIBAI PHULE PUNE UNIVERSITY

(formerly University of Pune)

GANESHKHIND PUNE 411 007

STATEMENT OF MARKS / GRADES FOR S.E.(2019 CREDIT PAT.) EXAM., APR/MAY 2022
BRANCH CODE: 12-S.E.(2019 PAT.)(MECHANICAL)

SEAT NO. S190440812 CENTRE SCES[44] PERM. REG. NO.: 722976536

NAME GAIKWAD SUPRIYA BHARAT MOTHER : GAIKWAD JYOTI BHARAT

COLLEGE / SCHOOL [CEGP012140] - SIDDHANT COLLEGE OF ENGINEERING, SADUMBARE

COURSE CODE	COURSE NAME	CO. TYPE	TOT. CRD	EARN. CRD	GRD	CRD. PTS
SEM.:1						
202041	SOLID MECHANICS	TH	04	04	A	36
202041	SOLID MECHANICS	PR	01	01	A	09
202042	SOLID MODELING & DRAFTING	TH	03	03	B	24
202042	SOLID MODELING & DRAFTING	PR	01	01	A	09
202043	ENGINEERING THERMODYNAMICS	TH	03	03	O	30
202043	ENGINEERING THERMODYNAMICS	OR	01	01	A	09
202044	ENGG. MATERIALS & METALLURGY	TH	03	03	B	24
202044	ENGG. MATERIALS & METALLURGY	TW	01	01	A	09
202045	GEOMETRIC DIM. & TOL. LAB	TW	01	01	O	10
203156	ELECTR. & ELECTRONICS ENGG.	TH	03	03	A	27
203156	ELECTR. & ELECTRONICS ENGG.	TW	01	01	A	09
2020468	ENTREPRENEURSHIP DEVELOPMENT	AC	00	00	AC	00
SEM.:2						
202047	KINEMATICS OF MACHINERY	* TH	03	03	C	21
202047	KINEMATICS OF MACHINERY	* OR	01	01	A	09
202048	APPLIED THERMODYNAMICS	* TH	03	PC	F	00
202048	APPLIED THERMODYNAMICS	* OR	01	01	A	09
202049	FLUID MECHANICS	* TH	03	03	P	12
202049	FLUID MECHANICS	* OR	01	01	A	09
202050	MANUFACTURING PROCESSES	* TH	03	03	C	21
202051	MACHINE SHOP	* TW	01	01	B	08
202052	PROJECT BASED LEARNING -II	* TW	02	02	A	18
207002	ENGINEERING MATHEMATICS - III	* TH	03	03	C	21
207002	ENGINEERING MATHEMATICS - III	* TW	01	01	O	10
202053F	TECH. WRITING/RSRCH. WRITING.	* AC	00	00	AC	00

SECOND YEAR SGPA : --, TOTAL CREDITS EARNED : 41

NOTE : PLEASE SEE THE BACKSIDE OF THIS STATEMENT FOR MORE DETAILS.

MEDIUM OF INSTRUCTION : ENGLISH

Director
Board of Examinations & Evaluation

R22101317768 DATE: 27 AUG 2022

CHAUDHARI ATARSINGH YADAV MEMORIAL EDUCATION TRUST'S,
SIDDHANT COLLEGE OF ENGINEERING
(College of Engineering Recognised by D.T.E. (Govt. of Mah.) and Affiliated to the S.P. Pune University)
Linguistic Minority (Hindi)
At. Post - Sudumbare, Tal. - Maval, Dist. - Pune, PIN - 412 109.
I.D. No. PU/PN/Engg/231(2005), AISHE Code- C-41286, University PUN Code-CEGP012140

☎ 02114-661904/661902/661901
Website: - www.siddhantcoe.in E-mail:engineeringprincipal@gmail.com

OC

Ref. No- SCOE/Admin/894/2022-23 Date:- 16/05/2023

To,
The Director Board of Examination & Evaluation,
Savitribai Phule Pune University,
Ganeshkhind, Pune.

Subject: Request for opening the exam form link to inward.(ME-1ST YEAR).

Respected Sir,
Following students filled the online exam form but they are not submitted in the college. 13/05/2023 was last date submission of exam form May/June-2023 of the ME-2017 PAT with late fee. But they unable to submit exam form 13/05/2023 unavoidable circumstances so requesting you to kindly accept request for the same so that they could submit these exam form.

Sr.No	Name of the Students	Year & Branch	PRN Number
1	PATIL CHETAN PANDIT	SYME DESIGN	77100462B
2	PRABHAKARAN S	FYME IT	77200476F

Thanking you,

Prof. M.U.Inamdar
(C.O.E.)
COLLEGE CODE:4044
PUN CODE:-CEGP012140

Siddhant College of Engineering SEAL Sudumbare,Pune-412109

LVKamble

Dr. L.V.Kamble
(Principal)
Siddhant College of Engineering
Sudumbare,Pune - 412 109

Received
16/05/2023.

Savitribai Phule Pune University

(Formerly University of Pune)

HallTicket For ME 2017 PATTERN (INFORMATION TECHNOLOGY) MAR/APR 2023

SeatNo	PRN	CentreCode	CollegeCode	PUN Code
11150	77200476F	44	44	CEGP012140

Name : PRABHAKARAN S

Mother : S LAKSHMI

Centre : SIDDHANT COLLEGE OF ENGINEERING, SADUMBARE

Sub Code	Subject Name	Type	Exam Date	Exam Time
514402	ADVANCE SOFTWARE ENGINEERING & PROJECT MANAGEMENT	[IE]		
514403	APPLIED ALGORITHMS	[IE]		
514405A	CLUSTER, GRID AND CLOUD COMPUTING	[IE]		
514407	CYBER SECURITY AND FORENSICS	[IE]		
514408	CLOUD AND DATA TECHNOLOGIES	[IE]		
514409	INFORMATION TECHNOLOGY ORIENTED OPERATIONS RESEARCH	[IE]		
514410B	USER EXPERIENCE DESIGN	[IE]		
514411	SEMINAR-I	[OV]		
514412	LAB PRACTICE-II	[OV]		

NOTE:

Students should ensure that details like Name,Photo, PRN, Subjects printed on Hall Ticket are correct. Incase of any discrepancy, please immediately contact to College Exam Officer (CEO).

In Case,College does not have Exam Center,please follow University Circular.

In Case of any discrepancy between hallticket & time table published on university website (http://exam.unipune.ac.in), the timetable on website to be followed.

College Principal / Director

SIDDHANT COLLEGE OF ENGINEERING, SADUMBARE

Signature of Student

Savitribai Phule Pune University

(Formerly University of Pune)

HallTicket For ME 2017 PATTERN MECHANICAL (DESIGN ENGINEERING) MAR/APR 2023

SeatNo	PRN	CentreCode	CollegeCode	PUN Code
11131	77100462B	44	44	CEGP012140

Name : PATIL CHETAN PANDIT

Mother : VANDANA

Centre : SIDDHANT COLLEGE OF ENGINEERING, SADUMBARE

Sub Code	Subject Name	Type	Exam Date	Exam Time
602218	SEMINAR-III	[OV]		
602219	PROJECT WORK STAGE-II	[OV]		

NOTE:

Students should ensure that details like Name,Photo, PRN, Subjects printed on Hall Ticket are correct. Incase of any discrepancy, please immediately contact to College Exam Officer (CEO).

In Case,College does not have Exam Center,please follow University Circular.

In Case of any discrepancy between hallticket & time table published on university website (http://exam.unipune.ac.in), the timetable on website to be followed.

Signature of Student

College Principal / Director

SIDDHANT COLLEGE OF ENGINEERING, SADUMBARE

Sr.No.	Faculty Name	Pattern Name	Result Date	Start Date	End Date
20	Pharmacy	SECOND YEAR B.PHARMACY 2019 PATTERN	17/08/2023	21/08/2023	30/08/2023
21	Pharmacy	THIRD YEAR B.PHARMACY 2019 PATTERN	17/08/2023	21/08/2023	30/08/2023
22	Engineering	S.E.(2019 PAT.)(CIVIL)	08/08/2023	17/08/2023	26/08/2023
23	Engineering	S.E.(2019 PAT.)(MECHANICAL)	08/08/2023	17/08/2023	26/08/2023
24	Engineering	S.E.(2019 PAT.)(PRODUCTION ENGINEERING)	08/08/2023	17/08/2023	26/08/2023
25	Engineering	S.E.(2019 PAT.)(ELECTRICAL)	08/08/2023	17/08/2023	26/08/2023
26	Engineering	S.E.(2019 PAT.)(ELECTRONICS &TELECOM)	08/08/2023	17/08/2023	26/08/2023
27	Engineering	S.E.(2019 PAT.)(INSTRUMENTATION)	08/08/2023	17/08/2023	26/08/2023
28	Engineering	S.E.(2019 PAT.)(COMPUTER)	08/08/2023	17/08/2023	26/08/2023
29	Engineering	S.E.(2019 PAT.)(CHEMICAL)	08/08/2023	17/08/2023	26/08/2023
30	Engineering	S.E.(2019 PAT.)(PRINTING ENGINEERING AND GRAPHIC COMMUNICATION)	08/08/2023	17/08/2023	26/08/2023
31	Engineering	S.E.(2019 PAT.)(MECHANICAL SANDWICH)	08/08/2023	17/08/2023	26/08/2023
32	Engineering	S.E.(2019 PAT.)(PRODUCTION ENGINEERING (SANDWICH))	08/08/2023	17/08/2023	26/08/2023
33	Engineering	S.E.(2019 PAT.)(INFORMATIOM TECHNOLOGY)	08/08/2023	17/08/2023	26/08/2023
34	Engineering	S.Y.(2019 PAT.)(B.TECH BIOTECHNOLOGY)	08/08/2023	17/08/2023	26/08/2023
35	Engineering	S.E.(2019 PAT.)(AUTOMOBILE)	08/08/2023	17/08/2023	26/08/2023
36	Engineering	S.E.(2019 PAT.)(AUTOMATION & ROBOTICS ENGINEERING)	08/08/2023	17/08/2023	26/08/2023
37	Engineering	S.E.(2019 PAT.)(ARTIFICIAL INTELLIGENCE & DATA SCIENCE)	08/08/2023	17/08/2023	26/08/2023

Sr.No.	Faculty Name	Pattern Name	Result Date	Start Date	End Date
38	Engineering	S.E.(2019 PAT.)(ARTIFICIAL INTELLIGENCE & MACHINE LEARNING)	08/08/2023	17/08/2023	26/08/2023
39	Engineering	S.E.(2019 PAT.)(ELECTRONICS & COMPUTER)	08/08/2023	17/08/2023	26/08/2023
40	Engineering	S.E.(2019 PAT.)(MECHATRONICS ENGINEERING)	08/08/2023	17/08/2023	26/08/2023
41	Engineering	S.E.(2019 PAT.)(ROBOTICS & AUTOMATION(RA))	08/08/2023	17/08/2023	26/08/2023
42	Engineering	S.E.(2019 PAT.)(Computer Science And Design)	08/08/2023	17/08/2023	26/08/2023
43	Arts	M.A. (REV.2013)	11/08/2023	14/08/2023	23/08/2023
44	Engineering	T.E.(2019 PAT.)(CIVIL)	05/08/2023	11/08/2023	20/08/2023
45	Engineering	T.E.(2019 PAT.)(MECHANICAL)	05/08/2023	11/08/2023	20/08/2023
46	Engineering	T.E.(2019 PAT.)(PRODUCTION ENGINEERING)	05/08/2023	11/08/2023	20/08/2023
47	Engineering	T.E.(2019 PAT.)(AUTOMOBILE)	05/08/2023	11/08/2023	20/08/2023
48	Engineering	T.E.(2019 PAT.)(ELECTRICAL)	05/08/2023	11/08/2023	20/08/2023
49	Engineering	T.E.(2019 PAT.)(ELECTRONICS & TELECOM)	05/08/2023	11/08/2023	20/08/2023
50	Engineering	T.E.(2019 PAT.)ELECTRONICS)	05/08/2023	11/08/2023	20/08/2023
51	Engineering	T.E.(2019 PAT.)(INSTRUMENTATION & CONTROL)	05/08/2023	11/08/2023	20/08/2023
52	Engineering	T.E.(2019 PAT.)(COMPUTER)	05/08/2023	11/08/2023	20/08/2023
53	Engineering	T.E.(2019 PAT.)(CHEMICAL)	05/08/2023	11/08/2023	20/08/2023
54	Engineering	T.E.(2019 PAT.)(PRINTING ENGINEERING AND GRAPHIC COMMUNICATION)	05/08/2023	11/08/2023	20/08/2023
55	Engineering	T.E.(2019 PAT.)(MECHANICAL SANDWICH)	05/08/2023	11/08/2023	20/08/2023

CHAUDHARI ATARSINGH YADAV MEMORIAL EDUCATION TRUST'S,
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☎ 02114-661904/661902/661901
Website: - www.siddhantcoe.in E-mail:engineeringprincipal@gmail.com

Ref. No- SCOE/Admin/130/2023-24 Date:- 21/08/2023

NOTICE

Photocopy & Revaluation

Students of ***Second Year- (2019 Pattern) Following Branches*** are directed to fill online Answersheets Photocopy form on or before **26/08/2023.**

SR NO	Course	Start Date	Last Date
1)	S.E.(2019 PAT.) (CIVIL)	17/08/2023	26/08/2023
2)	S.E.(2019 PAT.)(MECHANICAL)		
3)	S.E.(2019 PAT.) (ELECTRONICS &TELECOM)		
4)	S.E.(2019 PAT.) (COMPUTER)		
5)	S.E.(2019 PAT.) (INFORMATIOM TECHNOLOGY)		

Fill online form on website www.unipune.ac.in

LVKamble

(Dr.L.V.Kamble)
Principal
Siddhant College of Engineering
Sudumbare,Pune - 412 109

SEAL

SAVITRIBAI PHULE PUNE UNIVERSITY

Application Form No.

17 Aug 2023

12304028714

APPLICATION FORM FOR PHOTOCOPY/XEROX COPY OF ANSWER BOOKS

1.The Application form shall be printed and preserved with candidate only.
2.Don't send hard copy of the Application form to Savitribai Phule Pune University / College.

DIRECTOR,
BOARD OF EXAMINATION &
EVALUATION,
SAVITRIBAI PHULE PUNE UNIVERSITY,
GANESHKHIND,PUNE 411007.

Sir,
I,the undersigned,requestyou to verify and issuexerox copy of my answer book(s) as per details
given below:

Candidate Name	YADYNESH NITIN KHACHANE
College	SIDDHANT COLLEGE OF ENGINEERING, SADUMBARE
Exam Month & Year	202304
No. of Subjects appeared:	1
Centre at which appeared	44
Seat No.	S190440691
PRN No.	72297704C

(Subject(s) for Xerox Copy of Answer Book(s) [Theory Subjects only].)

Subject Code	Subject Name	Marks Obt.	Photocopy
207002	ENGINEERING MATHEMATICS - III	19	Photocopy/ Scancopy

Processing Fees	30.00
Subject Fees	200.00
Total Fees	230.00

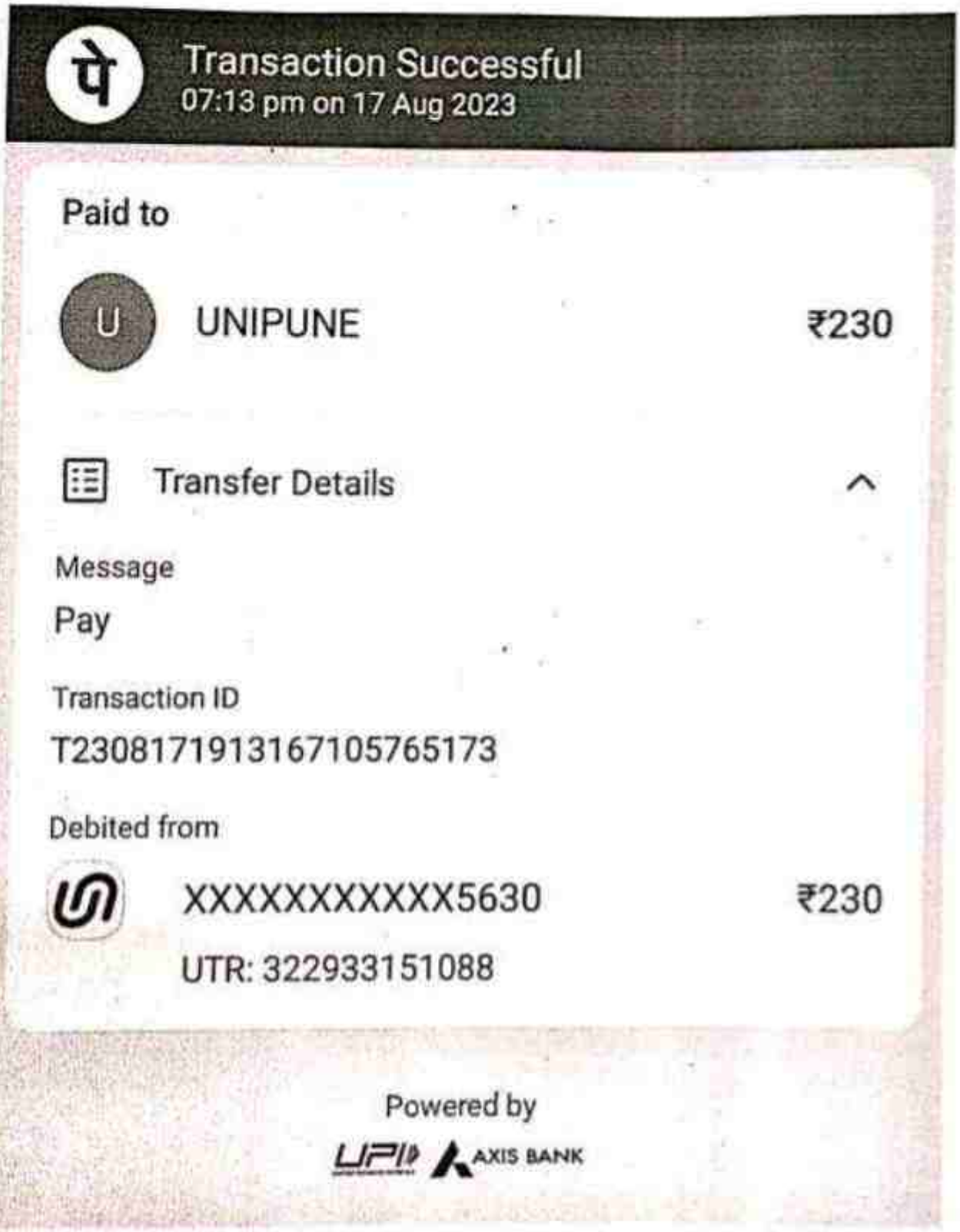
DECLARATION OF THE CANDIDATE

I here by declare that.
1. I have gonethrough therules for providing a xerox copy of answer book(s) mentioned in the
application and it shall be binding on me.

Date

Yours faithfully,

(Signature of the Candidate)



To,

The Principal,
Siddhant College of Engineering
Sudumbare Pune

Subject :- Name Correction in FE/SE/TE/BE/Degree Certificates.

Sir,

I want to Correct the spelling mistake in my name & my father's name in the F.E/TE/SE/BE/Degree Certificates from "SHALEASH KOUL" to "SHAILESH KAUL" and my father's name from "PIAYARAY KRISHAN KOUL" to "PIARAY KRISHAN KOUL". I have already Corrected the 10th/11th/12th marksheets from the JKBOSE (Jammu & Kashmir Board of Secondary Education). So for this process. I will be requiring the College letter head addressed to " To, The Director, Board of Examinations & Evaluation and Eligibility Savitribai Phule Pune university Pune - 411007" and Principal list Concern student Name as per required and Principal Stamp and Sign". I request you to kindly issue the same.

(check all documents student section)

Dated 22/08/2022

Yours Sincerely
Shailesh Kaul

59	1654042/ANN/REG/2020/SSE/S/Z	MN	AMANDEEP SINGH S/O BALWANT SINGH MN: KULJEET KAUR	MN: KULJEET KAU TO MN: KULJIT KAUR
60	14105004/AN/REG/2020/WZ/SSE	MN	NIMROZ AKHTER D/O MOHD SHAKOOR MN: NASEEMA AKHTER	MN: NASEEMA AKHT TO MN: NASEEM AKHTE
61	14105017/AN/REG/2020/WZ/SSE	MN	MAHREEN FATIMA D/O MARABAT HUSSAIN MN:NAZIR KOUSER	MN:NAZIR KOUSER TO MN:NAZIA KOUSER
62	14107048/ANN/REG/2020/SSE/WZ	CN FN	KHAJASTA RAFIQ D/O MOHJD RAFIQ	CN: KHAJASTA RAFIQ TO KHUJASTA RAFIQ FN: MOHJD RAFIQ TO MOHD RAFIQ
63	208023/ANN/ 2002/SSE 244037/ANN/2003/HSP-I 120945/ANN2005/HSP-II	CN FN	SHALEASH KOUL S/O PIAYARAY KRISHAN KOUL	CN: SHALEASH KOUL TO SHAILESH KAUL FN: PIAYARAY KRISHAN KOUL TO PIARAY KRISHAN KOUL
64	2118278/BI-ANN/2019/SZ/SSE 2127409/ANN/2020/HSP-I "	FN MN	MANSI WATLOO D/O RAJ JI WATLOO MN: MONI DEVI	FN: RAJ JI WATLOO TO RAJA JI WATLOO (AS PER R.R. CARD) MN: MONI DEVI TO MUNI DEVI
65	4838084/ANN/REG/2018/ SSE/SZ	FN MN	ROHIT KUMAR S/O OM PARKASH MN: JATTO DEVI	FN: OM PARKASH TO OM PERKASH MN: JATTO DEVI TO JATO DEVI

Ok

CAYM EDUCATION TRUST'S
SIDDHANT COLLEGE OF ENGINEERING & POLYTECHNIC.
(Approved by All India Council forTechnical Education (AICTE) New Delhi,recognized by Government of Maharashtra,Mumbai & Affiliated to the University of Pune)
At. Post - Sudumbare, Tal. - Maval, Dist. - Pune, PIN - 412109.
I.D. No. PU/PN/Engg/231(2005)
02114-661901,661904 **Fax o.02114-661902**
Website:- siddhantcoe.in **Email ID:- engineeringprincipal@gmail.com**

SCOE/Admin/123/2022-23 Date- 22/08/2022

To,
The Director Board of Examination & Evaluation,
Savitribai Phule Pune University,
Ganeshkhind, Pune.

Sub:- ***Name Correction in to the Marksheet.***

This is to certify that, ***SHAILESH KAUL*** is bonafide student of this college and studying in Final Year Computer Engineering for the academic year 2012-13.

He was admitted in the academic year-2005-06 & for this year Eligibility Numbers not generated.

His name is wrong in attached marksheets So Please Correct it.

Sr. No	Name of the Student	Exam Seat Number	PRN Number	Exam Name	Wrong Name	Correct Name
1	***SHAILESH KAUL***	***B80444265***	***70611167C***	***Oct-2013***	***SHALEASH KOUL***	***SHAILESH KAUL***

Shailesh Kaul
Received
Dated 22/08/2022

SEAL

(Dr.R.L.KHANDAGALE)
Principal
Siddhant College of Engineering
Sudumbare, Pune - 412 109

UNIVERSITY OF PUNE , RESULT SHEET FOR B.E.(2008 PAT.)(COMPUTER) EXAMINATION NOV. 2013

DATE : 14 MAR. 2014 CENTRE : SIDDHANT COLLEGE OF ENGINEERING, SADUMBARE

NOTE: FIRST LINE : SEAT NO., NAME OF THE CANDIDATE, MOTHER, PERMANENT REG. NO., PREVIOUS SEAT NO., COLLEGE, SEAT NO.
OTHER LINES: HEAD OF PASSING, MAX. MARKS, MIN. PASS MARKS, MARKS OBTAINED, P/F:PASS/FAIL, C: PREVIOUS CARRY OVER

MAX.MARKS : 1500 DISTINCTION : 0950 FIRST CLASS : 900 HIGHER II CL: 825 SECOND CLASS: 750 PASS CLASS: 600

880444264 NAVALE AMOL NITTHU BHAGERATTI , 71133267D , , SCES ,

010 . DESIGN AND ANALY. OF ALGORITHMS	PP	100	40	26	F
020 . PRINCIPLES OF COMPILER DESIGN	PP	100	40	28	F
030 . OBJECT ORIENTED MODELING & DES.	PP	100	40	34	F
030 . OBJECT ORIENTED MODELING & DES.	TW	25	10	21	P
030 . OBJECT ORIENTED MODELING & DES.	OR	50	20	29	P
04C . ARTIFICIAL INTELLIGENCE	PP	100	40	41	F
04C . ARTIFICIAL INTELLIGENCE	TW	25	10	20	P
04C . ARTIFICIAL INTELLIGENCE	OR	50	20	36	P
05D . SOFTWARE TESTING & QUALITY ASSU	PP	100	40	46	P
060 . COMPUTER LABORATORY I	PR	50	20	32	P
070 . PROJECT WORK	TW	50	20	38	P

FIRST TERM TOTAL = 351/750.

880444263 SHAIKH KIRAN SUSHILA , 70611167C , 880444296 , SCES ,

010 . DESIGN AND ANALY. OF ALGORITHMS	PP	100	40	31#	P	080 . DISTRIBUTED OPERATING SYSTEMS	PP	100	40	41	P C
020 . PRINCIPLES OF COMPILER DESIGN	PP	100	40	44	P C	090 . ADVANCED COMPUTER ARCHITECTURE	PP	100	40	45	P C
030 . OBJECT ORIENTED MODELING & DES.	PP	100	40	41	P C	10D . ADVANCED DATABASES	PP	100	40	44	P C
030 . OBJECT ORIENTED MODELING & DES.	TW	25	10	17	P C	10D . ADVANCED DATABASES	TW	50	20	30	P C
030 . OBJECT ORIENTED MODELING & DES.	OR	50	20	20	P C	10D . ADVANCED DATABASES	OR	50	20	21	P C
040 . SOFTWARE ARCHITECTURE	PP	100	40	40	P C	11C . CLOUD COMPUTING	PP	100	40	41	P
040 . SOFTWARE ARCHITECTURE	TW	25	10	13	P C	120 . COMPUTER LABORATORY II	TW	50	20	21	P C
040 . SOFTWARE ARCHITECTURE	OR	50	20	22	P C	120 . COMPUTER LABORATORY II	PR	50	20	25	P C
05D . SOFTWARE TESTING & QUALITY ASSU	PP	100	40	53	P C	130 . PROJECT WORK	TW	100	40	80	P C
060 . COMPUTER LABORATORY I	PR	50	20	29	P C	130 . PROJECT WORK	OR	50	20	35	P C
070 . PROJECT WORK	TW	50	20	33	P C						

GRAND TOTAL = 726/1500, RESULT: PASS CLASS # [0.4]

880444266 PISAL SAYALI SUNIL POOJA , 71133274G , , SCES ,

010 . DESIGN AND ANALY. OF ALGORITHMS	PP	100	40	58	P
020 . PRINCIPLES OF COMPILER DESIGN	PP	100	40	32	F
030 . OBJECT ORIENTED MODELING & DES.	PP	100	40	48	P
030 . OBJECT ORIENTED MODELING & DES.	TW	25	10	22	P
030 . OBJECT ORIENTED MODELING & DES.	OR	50	20	39	P
040 . SOFTWARE ARCHITECTURE	PP	100	40	58	P
040 . SOFTWARE ARCHITECTURE	TW	25	10	20	P
040 . SOFTWARE ARCHITECTURE	OR	50	20	38	P
05D . SOFTWARE TESTING & QUALITY ASSU	PP	100	40	54	P
060 . COMPUTER LABORATORY I	PR	50	20	37	P
070 . PROJECT WORK	TW	50	20	42	P

FIRST TERM TOTAL = 448/750.

TRUE COPY

Principal
Siddhant College of Engineering
Sudumbare, Maval, Pune- 412109

The Jammu & Kashmir State Board of School Education

Secondary School Examination
ANNUAL(REGULAR)-2002

Serial No. 1005222

Roll No. 208023

Registration No. 00N-JRM-214514

This is to certify that SHAILESH KAUL

Son/daughter of PIARAY KRISHAN KOUL

Date of birth 01/07/1986
(First July , Nineteen Hundred Eighty Six)

Passed the above examination of this Board, with GRADE TWO
From : V B PUBLIC HIGH SCHOOL AKALPUR

Jammu : 09 July, 2021

JOINT SECRETARY SECRETARY CHAIRMAN

Siddhant College of Engineering SEAL

Scanned with CamScanner

The Jammu & Kashmir State Board of School Education

Higher Secondary Part Two

Annual - 2005

Serial No. *05AJTP-530650*

Roll No. *120945*

Registration No. *00NJRAJ-214514*

This is to certify that *Shailesh Kaul*

Son/daughter of *Piaray Krishan Koul & Sushila Koul*

Passed the above examination of this Board, with *Second Division*

in the faculty of *Science* with the following subjects

1. *General English* 2. *Physics*
3. *Chemistry* 4. *Mathematics*

Jammu : 15 Jul 21

JOINT SECRETARY SECRETARY CHAIRMAN

SEAL