

**PDEA's College of Engineering, Manjari(Bk.), Hadapsar, Pune**

**Department of Mechanical Engineering**

**Academic Year 2020-21**

**Name of Faculty : Prof. R. Y. Pawar**

**Name of Course : Engineering Mechanics (FE 2019 patt)**

**Course Code: 101011**

**Class : First Year of Engg. (DIV C)**

**Semester: II**

| Sr.No. | PO       | PEO   | Course Outcomes                                                                                                  |
|--------|----------|-------|------------------------------------------------------------------------------------------------------------------|
| CO1    | 1,2,12   | 1,2,3 | Determine the resultant of various force systems.                                                                |
| CO2    | 1,2,12   | 1,2,3 | Determine the centroid , moment of inertia and solved problem related to frictions.                              |
| CO3    | 1,2,3,4  | 2,3   | Determine reations of beams, calculate forces in cables using priniples of equilibrium.                          |
| CO4    | 2,3,4,12 | 1     | Solve trusses, frames for finding member forces and apply priniples of equilibrium to forces in space.           |
| CO5    | 1,2,3,4  | 1,2,3 | Calculate position, velocity and acceleration of particle using principles of kinematics.                        |
| CO6    | 1,2,3    | 1,2,3 | Calculate position, velocity and acceleration of particle using principles of kinetics and work, power, energy.. |

# PDEA's College of Engineering, Manjari(Bk.), Hadapsar, Pune

## Department of Mechanical Engineering

### Assignment Report

|                                        |                        |
|----------------------------------------|------------------------|
| Name of Faculty : Prof. R. Y. Pawar    | Academic Year: 2020-21 |
| Name of Course : Engineering Mechanics | Class : FE (DIV C)     |
| Course Code: 101011                    | Semester: II           |

| Roll No | Name of Student                | Assign CO1 | Assign CO2 | Assign CO3 | Assign CO4 | Assign CO5 | Assign CO6 |
|---------|--------------------------------|------------|------------|------------|------------|------------|------------|
| 1       | AYUSH                          | 36         | 35         | 38         | 34         | 35         | 36         |
| 2       | BADGUJAR CHETAN SANJAY         | 30         | 33         | 30         | 30         | 31         | 31         |
| 3       | CHATUR DARSHAN                 | 35         | 34         | 31         | 31         | 33         | 31         |
| 4       | CHAVAN KOMAL SUNIL             | 44         | 45         | 44         | 43         | 44         | 45         |
| 5       | DESHMUKH VYANKATESH GOPAL      | 41         | 39         | 40         | 40         | 39         | 40         |
| 6       | JOSHI ASHUTOSH SURESH          | 44         | 45         | 44         | 44         | 43         | 43         |
| 7       | KALANE SUJIT PANDURANG         | 43         | 43         | 41         | 39         | 40         | 40         |
| 8       | KALBHOR ANUJAY                 | 38         | 35         | 36         | 36         | 35         | 36         |
| 9       | KHAMITKAR AKSHATA RAHUL        | 44         | 45         | 43         | 43         | 44         | 44         |
| 10      | KHOT GAYATRI SUBHASH           | 49         | 48         | 48         | 46         | 48         | 48         |
| 11      | KHUSPE PRIYANKA                | 39         | 39         | 36         | 38         | 38         | 36         |
| 12      | LAVATE RANJIT CHANDRAKANT      | 39         | 40         | 40         | 39         | 40         | 39         |
| 13      | MANE SUSHANT SANJAY            | 35         | 36         | 36         | 38         | 39         | 35         |
| 14      | SAKSHYAT PRADHAN               | 38         | 35         | 34         | 35         | 36         | 35         |
| 15      | SANKAPAL ROHINI MALLIKARJUN    | 41         | 40         | 41         | 40         | 39         | 40         |
| 16      | SATVIK VISHWAS PILANE          | 46         | 48         | 46         | 48         | 46         | 45         |
| 17      | SHAIKH AARMAN MOHAMMAD         | 35         | 36         | 38         | 34         | 35         | 35         |
| 18      | SHELAR VAIBHAV GANESH          | 36         | 38         | 35         | 36         | 35         | 36         |
| 19      | SHELKE JUEE TRIBHUJ            | 44         | 43         | 43         | 44         | 43         | 41         |
| 20      | SHELKE VIJAY BABASAHEB         | 38         | 39         | 40         | 38         | 35         | 36         |
| 21      | SHIMPI PRASAD PRADIP           | 40         | 39         | 40         | 40         | 41         | 39         |
| 22      | SHINDE RUSHIKESH RAMCHANDRA    | 38         | 38         | 39         | 40         | 39         | 40         |
| 23      | SHINGOTE SAHIL SANJAY          | 38         | 36         | 39         | 40         | 36         | 36         |
| 24      | SHUBHAM KUMAR                  | 48         | 48         | 49         | 46         | 48         | 48         |
| 25      | SOURABH PRAMOD TRIPATHI        | 48         | 46         | 48         | 46         | 46         | 48         |
| 26      | SURYAWANSHI SATYAJEET PRASHANT | 38         | 39         | 40         | 39         | 36         | 35         |
| 27      | SWARANJALI PRAKASH MULE        | 40         | 39         | 41         | 39         | 39         | 38         |
| 28      | TAKLE SIDDHANT ANIL            | 34         | 35         | 34         | 36         | 35         | 34         |
| 29      | TAWARE ABHISHEK POPAT          | 36         | 39         | 40         | 38         | 36         | 38         |
| 30      | TAYDE AMAY BHIMRAO             | 39         | 40         | 39         | 40         | 38         | 40         |
| 31      | THORAT KUNAL RAJENDRA          | 33         | 35         | 34         | 34         | 33         | 31         |
| 32      | TRIBHUVAN VAIBHAV RAJU         | 36         | 35         | 34         | 36         | 36         | 35         |
| 33      | TUPDAURU APURVA SUDHIR         | 40         | 39         | 40         | 40         | 39         | 40         |
| 34      | UGALMOGALE VAISHNAVI VISHNU    | 40         | 39         | 39         | 40         | 41         | 39         |
| 35      | UNDE ADITYA SANJAY             | 34         | 33         | 34         | 35         | 33         | 34         |

|    |                             |    |    |    |    |    |    |
|----|-----------------------------|----|----|----|----|----|----|
| 36 | WAKADE ANJALI SANJAY        | 45 | 44 | 46 | 44 | 45 | 45 |
| 37 | WALKE RUSHIKESH SHIVAJI     | 39 | 38 | 40 | 41 | 38 | 39 |
| 38 | WALUNJKAR GANESH POPAT      | 34 | 35 | 34 | 35 | 35 | 34 |
| 39 | WAMAN SHIVRAJ PRASHANT      | 36 | 35 | 36 | 34 | 35 | 36 |
| 40 | WANDHEKAR SHRAVANI SANJAY   | 48 | 46 | 45 | 48 | 48 | 46 |
| 41 | WARARKAR ANJALI PRAKASH     | 40 | 40 | 41 | 39 | 40 | 40 |
| 42 | WASNIK KANAK DAYAKAR        | 35 | 36 | 35 | 36 | 36 | 35 |
| 43 | YESHWANTE SAIRAJ SUBHASHRAO | 38 | 35 | 36 | 35 | 35 | 36 |
| 44 | ZAMPLE SNEHA SHANKAR        | 39 | 40 | 41 | 39 | 38 | 39 |
| 45 | ZENDE RENUKA DILIP          | 38 | 36 | 35 | 36 | 38 | 36 |

**PDEA's College of Engineering, Manjari(Bk.), Hadapsar, Pune****Department of Mechanical Engineering****MOCK Online Insem Exam Report****Name of Faculty : Prof. R. Y. Pawar****Name of Course : Engineering Mechanics****Course Code: 101011****SEM-II**

| Roll No | Name of Student                | Mock Online Test 1 |          | Conversion |          |
|---------|--------------------------------|--------------------|----------|------------|----------|
|         |                                | CO1 (13)           | CO2 (12) | CO1 (30)   | CO2 (30) |
| 1       | AYUSH                          | 6                  | 5        | 14         | 13       |
| 2       | BADGUJAR CHETAN SANJAY         | 7                  | 7        | 16         | 18       |
| 3       | CHATUR DARSHAN                 | 7                  | 9        | 16         | 23       |
| 4       | CHAVAN KOMAL SUNIL             | 9                  | 10       | 21         | 25       |
| 5       | DESHMUKH VYANKATESH GOPAL      | 9                  | 7        | 21         | 18       |
| 6       | JOSHI ASHUTOSH SURESH          | 9                  | 6        | 21         | 15       |
| 7       | KALANE SUJIT PANDURANG         | 8                  | 7        | 18         | 18       |
| 8       | KALBHOR ANUJAY                 | 9                  | 7        | 21         | 18       |
| 9       | KHAMITKAR AKSHATA RAHUL        | 9                  | 10       | 21         | 25       |
| 10      | KHOT GAYATRI SUBHASH           | 11                 | 10       | 25         | 25       |
| 11      | KHUSPE PRIYANKA                | 9                  | 9        | 21         | 23       |
| 12      | LAVATE RANJIT CHANDRAKANT      | 10                 | 8        | 23         | 20       |
| 13      | MANE SUSHANT SANJAY            | 12                 | 7        | 28         | 18       |
| 14      | SAKSHYAT PRADHAN               | 9                  | 8        | 21         | 20       |
| 15      | SANKAPAL ROHINI MALLIKARJUN    | 11                 | 9        | 25         | 23       |
| 16      | SATVIK VISHWAS PILANE          | 9                  | 8        | 21         | 20       |
| 17      | SHAIKH AARMAN MOHAMMAD         | 11                 | 11       | 25         | 28       |
| 18      | SHELAR VAIBHAV GANESH          | 8                  | 9        | 18         | 23       |
| 19      | SHELKE JUEE TRIBHUJ            | 12                 | 11       | 28         | 28       |
| 20      | SHELKE VIJAY BABASAHEB         | 8                  | 6        | 18         | 15       |
| 21      | SHIMPI PRASAD PRADIP           | 10                 | 11       | 23         | 28       |
| 22      | SHINDE RUSHIKESH RAMCHANDRA    | 8                  | 7        | 18         | 18       |
| 23      | SHINGOTE SAHIL SANJAY          | 8                  | 10       | 18         | 25       |
| 24      | SHUBHAM KUMAR                  | 8                  | 6        | 18         | 15       |
| 25      | SOURABH PRAMOD TRIPATHI        | 10                 | 9        | 23         | 23       |
| 26      | SURYAWANSHI SATYAJEET PRASHANT | 9                  | 6        | 21         | 15       |

|    |                             |    |    |    |    |
|----|-----------------------------|----|----|----|----|
| 27 | SWARANJALI PRAKASH MULE     | 12 | 10 | 28 | 25 |
| 28 | TAKLE SIDDHANT ANIL         | 8  | 8  | 18 | 20 |
| 29 | TAWARE ABHISHEK POPAT       | 9  | 8  | 21 | 20 |
| 30 | TAYDE AMAY BHIMRAO          | 10 | 11 | 23 | 28 |
| 31 | THORAT KUNAL RAJENDRA       | 8  | 9  | 18 | 23 |
| 32 | TRIBHUVAN VAIBHAV RAJU      | 13 | 9  | 30 | 23 |
| 33 | TUPDAURU APURVA SUDHIR      | 9  | 11 | 21 | 28 |
| 34 | UGALMOGALE VAISHNAVI VISHNU | 8  | 10 | 18 | 25 |
| 35 | UNDE ADITYA SANJAY          | 9  | 10 | 21 | 25 |
| 36 | WAKADE ANJALI SANJAY        | 10 | 9  | 23 | 23 |
| 37 | WALKE RUSHIKESH SHIVAJI     | 11 | 9  | 25 | 23 |
| 38 | WALUNJKAR GANESH POPAT      | 11 | 10 | 25 | 25 |
| 39 | WAMAN SHIVRAJ PRASHANT      | 8  | 7  | 18 | 18 |
| 40 | WANDHEKAR SHRAVANI SANJAY   | 11 | 8  | 25 | 20 |
| 41 | WARARKAR ANJALI PRAKASH     | 9  | 10 | 21 | 25 |
| 42 | WASNIK KANAK DAYAKAR        | 10 | 8  | 23 | 20 |
| 43 | YESHWANTE SAIRAJ SUBHASHRAO | 10 | 9  | 23 | 23 |
| 44 | ZAMPLE SNEHA SHANKAR        | 9  | 10 | 21 | 25 |
| 45 | ZENDE RENUKA DILIP          | 10 | 8  | 23 | 20 |

**PDEA's College of Engineering, Manjari(Bk.), Hadapsar, Pune**

**Department of Mechanical Engineering**

**Mock Endsem Exam Report**

**Name of Faculty : Prof. R. Y. Pawar**

**Name of Course : Engineering Mechanics**

**Course Code: 101011**

**Academic Year: 2020-21**

**Class : FE (DIV C)**

**Semester: II**

| Roll No | Name of Student                | CO3<br>(13) | CO4<br>(12) | CO5<br>(13) | CO6<br>(12) | Conversion  |             |             |             |
|---------|--------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|         |                                |             |             |             |             | CO3<br>(30) | CO4<br>(30) | CO5<br>(30) | CO6<br>(30) |
| 1       | AYUSH                          | 9           | 8           | 10          | 9           | 21          | 20          | 23          | 23          |
| 2       | BADGUJAR CHETAN SANJAY         | 9           | 8           | 9           | 9           | 21          | 20          | 21          | 23          |
| 3       | CHATUR DARSHAN                 | 11          | 9           | 12          | 11          | 25          | 23          | 28          | 28          |
| 4       | CHAVAN KOMAL SUNIL             | 13          | 12          | 13          | 12          | 30          | 30          | 30          | 30          |
| 5       | DESHMUKH VYANKATESH GOPAL      | 11          | 9           | 12          | 9           | 25          | 23          | 28          | 23          |
| 6       | JOSHI ASHUTOSH SURESH          | 6           | 4           | 5           | 5           | 14          | 10          | 12          | 13          |
| 7       | KALANE SUJIT PANDURANG         | 13          | 11          | 12          | 11          | 30          | 28          | 28          | 28          |
| 8       | KALBHOR ANUJAY                 | 12          | 11          | 12          | 9           | 28          | 28          | 28          | 23          |
| 9       | KHAMITKAR AKSHATA RAHUL        | 12          | 11          | 12          | 10          | 28          | 28          | 28          | 25          |
| 10      | KHOT GAYATRI SUBHASH           | 13          | 12          | 13          | 12          | 30          | 30          | 30          | 30          |
| 11      | KHUSPE PRIYANKA                | 10          | 9           | 10          | 10          | 23          | 23          | 23          | 25          |
| 12      | LAVATE RANJIT CHANDRAKANT      | 9           | 8           | 10          | 8           | 21          | 20          | 23          | 20          |
| 13      | MANE SUSHANT SANJAY            | 12          | 12          | 11          | 9           | 28          | 30          | 25          | 23          |
| 14      | SAKSHYAT PRADHAN               | 10          | 10          | 10          | 9           | 23          | 25          | 23          | 23          |
| 15      | SANKAPAL ROHINI MALLIKARJUN    | 11          | 9           | 12          | 10          | 25          | 23          | 28          | 25          |
| 16      | SATVIK VISHWAS PILANE          | 11          | 10          | 11          | 10          | 25          | 25          | 25          | 25          |
| 17      | SHAIKH AARMAN MOHAMMAD         | 13          | 12          | 12          | 10          | 30          | 30          | 28          | 25          |
| 18      | SHELAR VAIBHAV GANESH          | 12          | 11          | 12          | 9           | 28          | 28          | 28          | 23          |
| 19      | SHELKE JUEE TRIBHUJ            | 13          | 11          | 12          | 11          | 30          | 28          | 28          | 28          |
| 20      | SHELKE VIJAY BABASAHEB         | 13          | 12          | 11          | 11          | 30          | 30          | 25          | 28          |
| 21      | SHIMPI PRASAD PRADIP           | 13          | 11          | 13          | 12          | 30          | 28          | 30          | 30          |
| 22      | SHINDE RUSHIKESH RAMCHANDRA    | 10          | 10          | 10          | 9           | 23          | 25          | 23          | 23          |
| 23      | SHINGOTE SAHIL SANJAY          | 13          | 12          | 13          | 12          | 30          | 30          | 30          | 30          |
| 24      | SHUBHAM KUMAR                  | 13          | 11          | 12          | 11          | 30          | 28          | 28          | 28          |
| 25      | SOURABH PRAMOD TRIPATHI        | 12          | 11          | 12          | 10          | 28          | 28          | 28          | 25          |
| 26      | SURYAWANSHI SATYAJEET PRASHANT | 11          | 10          | 10          | 11          | 25          | 25          | 23          | 28          |
| 27      | SWARANJALI PRAKASH MULE        | 13          | 12          | 13          | 12          | 30          | 30          | 30          | 30          |
| 28      | TAKLE SIDDHANT ANIL            | 9           | 8           | 10          | 7           | 21          | 20          | 23          | 18          |

|    |                             |    |    |    |    |    |    |    |    |
|----|-----------------------------|----|----|----|----|----|----|----|----|
| 29 | TAWARE ABHISHEK POPAT       | 12 | 11 | 10 | 9  | 28 | 28 | 23 | 23 |
| 30 | TAYDE AMAY BHIMRAO          | 13 | 11 | 12 | 11 | 30 | 28 | 28 | 28 |
| 31 | THORAT KUNAL RAJENDRA       | 13 | 12 | 12 | 11 | 30 | 30 | 28 | 28 |
| 32 | TRIBHUVAN VAIBHAV RAJU      | 12 | 10 | 10 | 9  | 28 | 25 | 23 | 23 |
| 33 | TUPDAURU APURVA SUDHIR      | 12 | 11 | 11 | 8  | 28 | 28 | 25 | 20 |
| 34 | UGALMOGALE VAISHNAVI VISHNU | 11 | 10 | 10 | 10 | 25 | 25 | 23 | 25 |
| 35 | UNDE ADITYA SANJAY          | 12 | 12 | 13 | 12 | 28 | 30 | 30 | 30 |
| 36 | WAKADE ANJALI SANJAY        | 10 | 9  | 10 | 10 | 23 | 23 | 23 | 25 |
| 37 | WALKE RUSHIKESH SHIVAJI     | 10 | 8  | 9  | 7  | 23 | 20 | 21 | 18 |
| 38 | WALUNJKAR GANESH POPAT      | 13 | 11 | 12 | 10 | 30 | 28 | 28 | 25 |
| 39 | WAMAN SHIVRAJ PRASHANT      | 8  | 8  | 7  | 6  | 18 | 20 | 16 | 15 |
| 40 | WANDHEKAR SHRAVANI SANJAY   | 12 | 12 | 12 | 11 | 28 | 30 | 28 | 28 |
| 41 | WARARKAR ANJALI PRAKASH     | 13 | 11 | 13 | 11 | 30 | 28 | 30 | 28 |
| 42 | WASNIK KANAK DAYAKAR        | 9  | 9  | 9  | 8  | 21 | 23 | 21 | 20 |
| 43 | YESHWANTE SAIRAJ SUBHASHRAO | 12 | 9  | 11 | 8  | 28 | 23 | 25 | 20 |
| 44 | ZAMPLE SNEHA SHANKAR        | 10 | 7  | 9  | 8  | 23 | 18 | 21 | 20 |
| 45 | ZENDE RENUKA DILIP          | 11 | 9  | 10 | 9  | 25 | 23 | 23 | 23 |

**Department of Mechanical Engineering**  
**Tutorial Assessment Report**

Name of Faculty : Prof. R. Y. Pawar  
 Name of Course : Engineering Mechanics  
 Course Code: 101011

Academic Year: 2020-21  
 Class: F.E (DIV C)

| Roll No | Name of Student                | No. of Practical |    |      |    |      |    |      |    |      |    |      |    |
|---------|--------------------------------|------------------|----|------|----|------|----|------|----|------|----|------|----|
|         |                                | 1                |    | 2    |    | 3    |    | 4    |    | 5    |    | 6    |    |
|         |                                | CO 1             |    | CO 2 |    | CO 3 |    | CO 4 |    | CO 5 |    | CO 6 |    |
|         |                                | 5                | 20 | 5    | 20 | 5    | 20 | 5    | 20 | 5    | 20 | 5    | 20 |
| 1       | AYUSH                          |                  |    |      |    |      |    |      |    |      |    |      |    |
| 2       | BADGUJAR CHETAN SANJAY         | 4                | 17 | 5    | 19 | 4    | 16 | 4    | 16 | 4    | 16 | 4    | 17 |
| 3       | CHATUR DARSHAN                 | 4                | 17 | 4    | 15 | 4    | 16 | 4    | 16 | 4    | 16 | 4    | 17 |
| 4       | CHAVAN KOMAL SUNIL             | 4                | 18 | 4    | 17 | 4    | 17 | 4    | 17 | 4    | 17 | 4    | 17 |
| 5       | DESHMUKH VYANKATESH GOPAL      | 4                | 17 | 4    | 18 | 4    | 17 | 4    | 17 | 4    | 17 | 4    | 18 |
| 6       | JOSHI ASHUTOSH SURESH          | 4                | 16 | 4    | 16 | 4    | 17 | 4    | 17 | 4    | 17 | 4    | 16 |
| 7       | KALANE SUJIT PANDURANG         | 4                | 16 | 4    | 15 | 4    | 15 | 4    | 15 | 4    | 15 | 4    | 16 |
| 8       | KALBHOR ANUJAY                 | 4                | 17 | 4    | 17 | 4    | 17 | 4    | 17 | 4    | 17 | 4    | 18 |
| 9       | KHAMITKAR AKSHATA RAHUL        | 4                | 15 | 4    | 15 | 4    | 15 | 4    | 15 | 4    | 15 | 4    | 16 |
| 10      | KHOT GAYATRI SUBHASH           | 4                | 16 | 4    | 15 | 4    | 15 | 4    | 15 | 4    | 15 | 4    | 15 |
| 11      | KHUSPE PRIYANKA                | 4                | 16 | 5    | 20 | 4    | 17 | 5    | 20 | 5    | 20 | 4    | 16 |
| 12      | LAVATE RANJIT CHANDRAKANT      | 4                | 17 | 4    | 16 | 4    | 16 | 4    | 16 | 4    | 16 | 4    | 16 |
| 13      | MANE SUSHANT SANJAY            | 4                | 16 | 4    | 16 | 4    | 15 | 4    | 15 | 4    | 15 | 4    | 15 |
| 14      | SAKSHYAT PRADHAN               | 4                | 17 | 4    | 16 | 4    | 16 | 4    | 16 | 4    | 16 | 4    | 16 |
| 15      | SANKAPAL ROHINI MALLIKARJUN    | 4                | 15 | 4    | 16 | 4    | 15 | 4    | 15 | 4    | 15 | 4    | 16 |
| 16      | SATVIK VISHWAS PILANE          | 4                | 14 | 4    | 15 | 4    | 14 | 4    | 14 | 4    | 14 | 4    | 15 |
| 17      | SHAIKH AARMAN MOHAMMAD         | 4                | 17 | 5    | 18 | 5    | 18 | 5    | 18 | 5    | 18 | 4    | 18 |
| 18      | SHELAR VAIBHAV GANESH          | 4                | 16 | 4    | 17 | 4    | 18 | 4    | 18 | 4    | 18 | 4    | 17 |
| 19      | SHELKE JUEE TRIBHUJ            | 4                | 18 | 4    | 17 | 4    | 17 | 4    | 17 | 4    | 17 | 4    | 17 |
| 20      | SHELKE VIJAY BABASAHEB         | 4                | 17 | 4    | 15 | 4    | 15 | 4    | 15 | 4    | 15 | 4    | 15 |
| 21      | SHIMPI PRASAD PRADIP           | 4                | 17 | 4    | 18 | 4    | 18 | 4    | 18 | 4    | 18 | 4    | 17 |
| 22      | SHINDE RUSHIKESH RAMCHANDRA    | 4                | 15 | 4    | 16 | 4    | 16 | 4    | 16 | 4    | 16 | 4    | 17 |
| 23      | SHINGOTE SAHIL SANJAY          | 5                | 18 | 4    | 18 | 4    | 17 | 4    | 17 | 4    | 17 | 4    | 18 |
| 24      | SHUBHAM KUMAR                  | 4                | 17 | 4    | 16 | 4    | 16 | 4    | 16 | 4    | 16 | 4    | 16 |
| 25      | SOURABH PRAMOD TRIPATHI        | 4                | 15 | 4    | 16 | 4    | 15 | 4    | 15 | 4    | 15 | 4    | 15 |
| 26      | SURYAWANSHI SATYAJEET PRASHANT | 4                | 15 | 5    | 20 | 5    | 20 | 5    | 20 | 5    | 20 | 5    | 20 |
| 27      | SWARANJALI PRAKASH MULE        | 4                | 17 | 4    | 18 | 4    | 17 | 4    | 17 | 4    | 17 | 4    | 17 |
| 28      | TAKLE SIDDHANT ANIL            | 4                | 16 | 4    | 15 | 4    | 16 | 4    | 16 | 4    | 16 | 4    | 16 |
| 29      | TAWARE ABHISHEK POPAT          | 4                | 18 | 4    | 17 | 4    | 17 | 4    | 17 | 4    | 17 | 4    | 18 |
| 30      | TAYDE AMAY BHIMRAO             | 4                | 17 | 5    | 18 | 4    | 17 | 4    | 17 | 4    | 17 | 4    | 18 |
| 31      | THORAT KUNAL RAJENDRA          | 4                | 16 | 4    | 17 | 4    | 16 | 4    | 16 | 4    | 16 | 4    | 16 |
| 32      | TRIBHUVAN VAIBHAV RAJU         | 4                | 15 | 4    | 16 | 4    | 15 | 4    | 15 | 4    | 15 | 4    | 15 |
| 33      | TUPDAURU APURVA SUDHIR         | 5                | 18 | 4    | 17 | 4    | 18 | 4    | 18 | 4    | 18 | 4    | 17 |
| 34      | UGALMOGALE VAISHNAVI VISHNU    | 4                | 16 | 4    | 16 | 4    | 15 | 4    | 15 | 4    | 15 | 4    | 17 |
| 35      | UNDE ADITYA SANJAY             | 4                | 16 | 4    | 16 | 4    | 16 | 4    | 16 | 4    | 16 | 4    | 16 |
| 36      | WAKADE ANJALI SANJAY           | 4                | 16 | 4    | 16 | 4    | 16 | 4    | 16 | 4    | 16 | 4    | 15 |
| 37      | WALKE RUSHIKESH SHIVAJI        | 4                | 14 | 4    | 15 | 4    | 15 | 4    | 15 | 4    | 15 | 4    | 15 |

|    |                             |   |    |   |    |   |    |   |    |   |    |   |    |
|----|-----------------------------|---|----|---|----|---|----|---|----|---|----|---|----|
| 38 | WALUNJKAR GANESH POPAT      | 4 | 15 | 4 | 15 | 4 | 14 | 4 | 14 | 4 | 14 | 4 | 15 |
| 39 | WAMAN SHIVRAJ PRASHANT      | 5 | 18 | 4 | 17 | 4 | 18 | 4 | 18 | 4 | 18 | 4 | 18 |
| 40 | WANDHEKAR SHRAVANI SANJAY   | 4 | 14 | 4 | 15 | 4 | 16 | 4 | 16 | 4 | 16 | 4 | 15 |
| 41 | WARARKAR ANJALI PRAKASH     | 4 | 16 | 4 | 17 | 4 | 16 | 4 | 16 | 4 | 16 | 4 | 17 |
| 42 | WASNIK KANAK DAYAKAR        | 4 | 14 | 4 | 15 | 4 | 16 | 4 | 16 | 4 | 16 | 4 | 15 |
| 43 | YESHWANTE SAIRAJ SUBHASHRAO | 4 | 18 | 4 | 17 | 5 | 18 | 5 | 18 | 5 | 18 | 4 | 17 |
| 44 | ZAMPLE SNEHA SHANKAR        | 4 | 17 | 4 | 18 | 4 | 18 | 4 | 18 | 4 | 18 | 4 | 17 |
| 45 | ZENDE RENUKA DILIP          | 4 | 15 | 4 | 17 | 4 | 15 | 4 | 15 | 4 | 15 | 4 | 16 |

| No                                 | Name of Student               | CO 1 Attainment |            |       | CO 2 Attainment |            |       | CO 3 Attainment |            |       | CO 4 Attainment |            |       | CO 5 Attainment |            |       | CO 6 Attainment |            |       |       |
|------------------------------------|-------------------------------|-----------------|------------|-------|-----------------|------------|-------|-----------------|------------|-------|-----------------|------------|-------|-----------------|------------|-------|-----------------|------------|-------|-------|
|                                    |                               | Assign ment     | Mock Insem | Total | Assign ment     | Mock Insem | Total | Assign ment     | Mock Insem | Total | Assign ment     | Mock Insem | Total | Assign ment     | Mock Insem | Total | Assign ment     | Mock Insem | Total |       |
| 1                                  | AYUSH                         | 50              | 30         | 20    | 100             | 3          | 50    | 30              | 20         | 100   | 3               | 50         | 30    | 20              | 100        | 3     | 50              | 30         | 20    | 100   |
| 2                                  | BADGUJAR CHETAN SANJAY        | 36              | 14         | 17    | 67              | 3          | 35    | 13              | 19         | 66    | 3               | 38         | 21    | 16              | 74         | 3     | 34              | 20         | 16    | 69    |
| 3                                  | CHATUR DARSHAN                | 30              | 16         | 17    | 63              | 2          | 33    | 18              | 15         | 65    | 2               | 30         | 21    | 16              | 67         | 3     | 30              | 20         | 16    | 66    |
| 4                                  | CHAVVAN KOMAL SUNIL           | 35              | 16         | 18    | 69              | 3          | 34    | 23              | 17         | 73    | 3               | 31         | 25    | 17              | 74         | 3     | 31              | 23         | 17    | 71    |
| 5                                  | DESHMUKH VYANKATESH GOPAL     | 44              | 21         | 17    | 81              | 3          | 45    | 25              | 18         | 88    | 3               | 44         | 30    | 17              | 91         | 3     | 43              | 30         | 17    | 90    |
| 6                                  | JOSHI ASHUTOSH SURESH         | 41              | 21         | 16    | 78              | 3          | 39    | 18              | 16         | 72    | 3               | 40         | 25    | 17              | 82         | 3     | 40              | 23         | 17    | 80    |
| 7                                  | KALANE SUJIT PANDIRANG        | 44              | 21         | 16    | 81              | 3          | 45    | 15              | 15         | 75    | 3               | 44         | 14    | 15              | 72         | 3     | 44              | 10         | 15    | 68    |
| 8                                  | KALBHOR ANUJAY                | 43              | 18         | 17    | 78              | 3          | 43    | 18              | 17         | 77    | 3               | 41         | 30    | 17              | 88         | 3     | 39              | 28         | 17    | 83    |
| 9                                  | KHAMIKAR AKSHAT A RAHUL       | 38              | 21         | 15    | 73              | 3          | 35    | 18              | 15         | 67    | 3               | 36         | 28    | 15              | 79         | 3     | 36              | 28         | 15    | 79    |
| 10                                 | KHOT GAYATRI SUBHASH          | 44              | 21         | 16    | 81              | 3          | 45    | 25              | 15         | 85    | 3               | 43         | 28    | 15              | 85         | 3     | 43              | 28         | 15    | 85    |
| 11                                 | KHUSPE PRAYANKA               | 49              | 25         | 16    | 90              | 3          | 48    | 25              | 20         | 93    | 3               | 48         | 30    | 17              | 94         | 3     | 46              | 30         | 20    | 96    |
| 12                                 | LAVATE RANJIT CHANDRAKANT     | 39              | 23         | 17    | 77              | 3          | 39    | 23              | 16         | 77    | 3               | 36         | 23    | 16              | 75         | 3     | 38              | 23         | 16    | 76    |
| 13                                 | MANE SUSHANT SANJAY           | 35              | 28         | 17    | 79              | 3          | 36    | 18              | 16         | 70    | 3               | 40         | 21    | 15              | 75         | 3     | 39              | 20         | 15    | 73    |
| 14                                 | MAKSHYAT PRAHMAN              | 38              | 21         | 15    | 73              | 3          | 35    | 20              | 16         | 71    | 3               | 36         | 28    | 16              | 79         | 3     | 38              | 30         | 16    | 83    |
| 15                                 | SANKARAPAL ROHINI MALLIKARTUN | 41              | 25         | 14    | 81              | 3          | 40    | 23              | 15         | 77    | 3               | 41         | 25    | 14              | 81         | 3     | 40              | 23         | 15    | 75    |
| 16                                 | SATYK VISHWAS PILANE          | 46              | 21         | 17    | 84              | 3          | 48    | 20              | 18         | 86    | 3               | 46         | 25    | 18              | 90         | 3     | 48              | 25         | 18    | 91    |
| 17                                 | SHAIKH AARMAN MOHAMMAD        | 35              | 25         | 16    | 76              | 3          | 36    | 28              | 17         | 81    | 3               | 38         | 30    | 18              | 85         | 3     | 34              | 30         | 18    | 81    |
| 18                                 | SHEKHAR VAIBHAV GANESH        | 36              | 18         | 18    | 72              | 3          | 38    | 23              | 17         | 77    | 3               | 35         | 28    | 17              | 79         | 3     | 36              | 28         | 17    | 80    |
| 19                                 | SHEKHE JUDIE TRIBHUI          | 44              | 28         | 17    | 88              | 3          | 43    | 28              | 15         | 85    | 3               | 43         | 30    | 15              | 88         | 3     | 44              | 28         | 15    | 86    |
| 20                                 | SHEKHE VIJAY BABASAHEB        | 38              | 18         | 17    | 73              | 3          | 39    | 15              | 18         | 71    | 3               | 40         | 30    | 18              | 88         | 3     | 38              | 30         | 18    | 85    |
| 21                                 | SHINPI PRASAD PRADIP          | 40              | 23         | 15    | 78              | 3          | 39    | 28              | 16         | 82    | 3               | 40         | 30    | 16              | 86         | 3     | 44              | 28         | 15    | 86    |
| 22                                 | SHINDE RUSHIKESH RAMCHANDRA   | 38              | 18         | 18    | 74              | 3          | 38    | 18              | 18         | 73    | 3               | 39         | 23    | 17              | 79         | 3     | 40              | 28         | 16    | 83    |
| 23                                 | SHINGOTE SAHIL SANJAY         | 38              | 18         | 17    | 73              | 3          | 36    | 25              | 16         | 77    | 3               | 39         | 30    | 16              | 85         | 3     | 40              | 30         | 16    | 86    |
| 24                                 | SHUBHAM KUMAR                 | 48              | 18         | 15    | 80              | 3          | 48    | 15              | 16         | 78    | 3               | 49         | 30    | 15              | 93         | 3     | 46              | 28         | 15    | 88    |
| 25                                 | SOURABH PRANOD TILPATI        | 48              | 23         | 15    | 86              | 3          | 46    | 23              | 20         | 89    | 3               | 48         | 28    | 20              | 95         | 3     | 46              | 28         | 20    | 94    |
| 26                                 | SURYANASHI SATYAJEET PRASHANT | 38              | 21         | 17    | 75              | 3          | 39    | 15              | 18         | 71    | 3               | 40         | 25    | 17              | 82         | 3     | 39              | 25         | 17    | 81    |
| 27                                 | SWAKRANALI PRAKASH MOLE       | 40              | 28         | 16    | 83              | 3          | 39    | 25              | 15         | 79    | 3               | 41         | 30    | 16              | 87         | 3     | 39              | 20         | 16    | 85    |
| 28                                 | TAKLE SIDDHANT ANIL           | 34              | 18         | 18    | 70              | 3          | 35    | 20              | 17         | 72    | 3               | 34         | 21    | 17              | 72         | 3     | 36              | 20         | 17    | 73    |
| 29                                 | TAKLE SIDDHANT ANIL           | 36              | 21         | 17    | 74              | 3          | 39    | 20              | 18         | 77    | 3               | 40         | 28    | 17              | 84         | 3     | 38              | 28         | 17    | 82    |
| 30                                 | TAYDE AMAY BHIMRAO            | 39              | 23         | 16    | 77              | 3          | 40    | 28              | 17         | 84    | 3               | 39         | 30    | 16              | 85         | 3     | 40              | 28         | 16    | 84    |
| 31                                 | THORAT KUNAL RAJENDRA         | 33              | 18         | 15    | 65              | 3          | 35    | 23              | 16         | 73    | 3               | 34         | 30    | 15              | 78         | 3     | 34              | 30         | 15    | 78    |
| 32                                 | TRIBHUVAN VAIBHAV RAJU        | 36              | 30         | 18    | 84              | 3          | 35    | 23              | 17         | 75    | 3               | 34         | 28    | 18              | 79         | 3     | 36              | 25         | 18    | 78    |
| 33                                 | TUPDAPURU APURVA SUDHIR       | 40              | 21         | 16    | 77              | 3          | 39    | 28              | 16         | 82    | 3               | 40         | 28    | 15              | 83         | 3     | 40              | 28         | 15    | 83    |
| 34                                 | UGALMOGALE VAISHNAVI VISHNU   | 40              | 18         | 16    | 74              | 3          | 39    | 25              | 16         | 79    | 3               | 39         | 25    | 16              | 80         | 3     | 40              | 25         | 16    | 81    |
| 35                                 | UNDE ADITYA SANJAY            | 34              | 21         | 16    | 71              | 3          | 33    | 25              | 16         | 74    | 3               | 34         | 28    | 16              | 77         | 3     | 35              | 30         | 16    | 81    |
| 36                                 | WAKADE ANIL SANJAY            | 45              | 25         | 14    | 82              | 3          | 44    | 23              | 15         | 81    | 3               | 46         | 23    | 15              | 84         | 3     | 44              | 23         | 15    | 81    |
| 37                                 | WAKE RUSHIKESH SHIVAJI        | 39              | 25         | 14    | 78              | 3          | 38    | 23              | 14         | 74    | 3               | 40         | 23    | 14              | 78         | 3     | 41              | 20         | 14    | 76    |
| 38                                 | WALUNIKAR GANESH POPAT        | 34              | 25         | 15    | 74              | 3          | 35    | 25              | 15         | 75    | 3               | 34         | 30    | 14              | 78         | 3     | 35              | 28         | 14    | 77    |
| 39                                 | WAMAN SHIVRAJ PRASHANT        | 36              | 18         | 18    | 73              | 3          | 35    | 18              | 17         | 70    | 3               | 36         | 18    | 18              | 72         | 3     | 34              | 20         | 18    | 74    |
| 40                                 | WANDHEKAR SHRIVANI SANJAY     | 48              | 25         | 14    | 87              | 3          | 46    | 20              | 15         | 81    | 3               | 45         | 28    | 16              | 89         | 3     | 48              | 30         | 16    | 94    |
| 41                                 | WASNIK KANAK DAYAKAR          | 40              | 21         | 16    | 77              | 3          | 40    | 25              | 17         | 82    | 3               | 41         | 30    | 16              | 87         | 3     | 39              | 28         | 16    | 86    |
| 42                                 | WASNIK KANAK DAYAKAR          | 35              | 23         | 14    | 72              | 3          | 36    | 20              | 15         | 71    | 3               | 35         | 21    | 16              | 72         | 3     | 36              | 23         | 16    | 75    |
| 43                                 | YESHWANTEE SARAJI SUBHASHRAO  | 38              | 23         | 18    | 78              | 3          | 35    | 23              | 17         | 75    | 3               | 36         | 28    | 18              | 82         | 3     | 35              | 23         | 18    | 76    |
| 44                                 | ZAMPE SNEHA SHANKAR           | 39              | 21         | 17    | 77              | 3          | 40    | 25              | 18         | 83    | 3               | 41         | 23    | 18              | 82         | 3     | 39              | 18         | 18    | 74    |
| 45                                 | ZENDE RENUKA DILIP            | 38              | 23         | 15    | 76              | 3          | 36    | 20              | 17         | 73    | 3               | 35         | 25    | 15              | 75         | 3     | 36              | 23         | 15    | 74    |
| Threshold . 65%                    |                               | 33              | 20         | 13    | 65              | 3          | 33    | 20              | 13         | 65    | 3               | 33         | 20    | 13              | 65         | 3     | 33              | 20         | 13    | 65    |
| No. of students above threshold    |                               | 44              | 32         | 45    | 44              | 3          | 45    | 33              | 45         | 45    | 3               | 43         | 43    | 45              | 45         | 3     | 43              | 43         | 45    | 45    |
| % of students scoring >= threshold |                               | 92.77           | 71.11      | 100   | 98.0            | 3          | 100   | 73.33           | 100        | 100   | 3               | 95.55      | 95.55 | 100             | 100        | 3     | 97.77           | 95.55      | 100.0 | 100.0 |
| CO attainment                      |                               | 3               | 3          | 3     | 3               | 3          | 3     | 3               | 3          | 3     | 3               | 3          | 3     | 3               | 3          | 3     | 3               | 3          | 3     | 3     |
| CO 1 Attainment                    |                               | 3               | 3          | 3     | 3               | 3          | 3     | 3               | 3          | 3     | 3               | 3          | 3     | 3               | 3          | 3     | 3               | 3          | 3     | 3     |
| CO 2 Attainment                    |                               | 3               | 3          | 3     | 3               | 3          | 3     | 3               | 3          | 3     | 3               | 3          | 3     | 3               | 3          | 3     | 3               | 3          | 3     | 3     |
| CO 3 Attainment                    |                               | 3               | 3          | 3     | 3               | 3          | 3     | 3               | 3          | 3     | 3               | 3          | 3     | 3               | 3          | 3     | 3               | 3          | 3     | 3     |
| CO 4 Attainment                    |                               | 3               | 3          | 3     | 3               | 3          | 3     | 3               | 3          | 3     | 3               | 3          | 3     | 3               | 3          | 3     | 3               | 3          | 3     | 3     |
| CO 5 Attainment                    |                               | 3               | 3          | 3     | 3               | 3          | 3     | 3               | 3          | 3     | 3               | 3          | 3     | 3               | 3          | 3     | 3               | 3          | 3     | 3     |
| CO 6 Attainment                    |                               | 3               | 3          | 3     | 3               | 3          | 3     | 3               | 3          | 3     | 3               | 3          | 3     | 3               | 3          | 3     | 3               | 3          | 3     | 3     |

PDEA's College of Engineering, Manjari (bk), Hadapsar, Pune

Department of Mechanical Engineering

Academic Year -2020-21

Overall CO-PO/PSO attainment Report

Subject: Engineering Mechanics (101011)

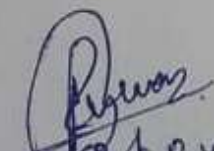
Sem: II

| CO                   | Programme Outcomes (POs) |      |      |        |       |       |         |       |         |       |         |      | PSO  |      |      |
|----------------------|--------------------------|------|------|--------|-------|-------|---------|-------|---------|-------|---------|------|------|------|------|
|                      | 1                        | 2    | 3    | 4      | 5     | 6     | 7       | 8     | 9       | 10    | 11      | 12   | 1    | 2    | 3    |
| 1                    | 3                        | 2    | -    | -      | -     | -     | -       | -     | -       | -     | -       | 1    | 2    | 1    | 3    |
| 2                    | 3                        | 2    | -    | -      | -     | -     | -       | -     | -       | -     | -       | 1    | 1    | 2    | 1    |
| 3                    | 3                        | 2    | 3    | 2      | -     | -     | -       | -     | -       | -     | -       | -    | -    | 3    | 1    |
| 4                    | -                        | 2    | 2    | 2      | -     | -     | -       | -     | -       | -     | -       | 2    | 2    | -    | -    |
| 5                    | 2                        | 3    | 2    | 2      | -     | -     | -       | -     | -       | -     | -       | -    | 2    | 1    | 2    |
| 6                    | 2                        | 3    | 3    | -      | -     | -     | -       | -     | -       | -     | -       | -    | 3    | 1    | 2    |
| Weighted Avg.        | 2.60                     | 2.33 | 2.50 | 2.00   | ##### | ##### | #DIV/0! | ##### | #DIV/0! | ##### | #DIV/0! | 1.33 | 2.00 | 1.60 | 1.80 |
| Course PO attainment | 2.57                     | 2.30 | 2.47 | 1.97   | ##### | ##### | #DIV/0! | ##### | #DIV/0! | ##### | #DIV/0! | 1.32 | 1.97 | 1.58 | 1.78 |
| Mapping correlation  |                          |      | Low  | Medium | High  | No    |         |       |         |       |         |      |      |      |      |
|                      |                          |      | 1    | 2      | 3     | -     |         |       |         |       |         |      |      |      |      |

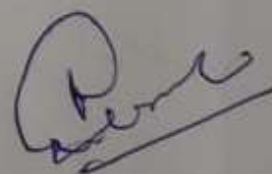
COURSE ATTAINMENT

Final direct Course attainment Calculation

| Final direct Course attainment Calculation     |          |          |          |          |          |          |            |          |            |                |                |                                           | Final Indirect Course attainment calculation |      |
|------------------------------------------------|----------|----------|----------|----------|----------|----------|------------|----------|------------|----------------|----------------|-------------------------------------------|----------------------------------------------|------|
| COs                                            | Assign 1 | Assign 2 | Assign 3 | Assign 4 | Assign 5 | Assign 6 | Mock INSEM | Mock End | Cont Asses | INT Asses (IA) | UNI Asses (EA) | Direct CO Attainment= ((0.3*IA)+(0.7*EA)) |                                              |      |
| CO 1                                           | 3        | -        | -        | -        | -        | -        | 3          | -        | 3          | 3.0            | 3.0            | 3                                         | CO 1                                         | 2.84 |
| CO 2                                           | -        | 3        | -        | -        | -        | -        | 3          | -        | 3          | 3.0            | 3.0            | 3                                         | CO 2                                         | 2.57 |
| CO 3                                           | -        | -        | 3        | -        | -        | -        | -          | 3        | 3          | 3.0            | 3.0            | 3                                         | CO 3                                         | 2.36 |
| CO 4                                           | -        | -        | -        | 3        | -        | -        | -          | 3        | 3          | 3.0            | 3.0            | 3                                         | CO 4                                         | 2.48 |
| CO 5                                           | -        | -        | -        | -        | 3        | -        | -          | 3        | 3          | 3.0            | 3.0            | 3                                         | CO 5                                         | 2.38 |
| CO 6                                           | -        | -        | -        | -        | -        | 3        | -          | 3        | 3          | 3.0            | 3.0            | 3                                         | CO 6                                         | 2.79 |
| Attainment                                     |          |          |          |          |          |          |            |          |            | 3.00           | 3.00           | 3                                         | Final Indirect Course attainment calculation | 2.57 |
| Final Direct Total Attainment(30% IA + 70% EA) |          |          |          |          |          |          |            |          |            | 0.9            | 2.1            |                                           |                                              |      |
| Weightage                                      |          |          |          |          |          |          |            |          |            | 90%            |                |                                           | 10%                                          |      |
| Total attainment                               |          |          |          |          |          |          |            |          |            | 2.7            |                |                                           | 0.26                                         |      |
| Overall Course Attainment                      |          |          |          |          |          |          |            |          |            | 2.96           |                |                                           |                                              |      |

  
Prof. R. Y. Pawar  
Subject Teacher

  
Head of Department

  
Principal