

**NGSPM'S**  
**Brahma Valley college of Engineering and Research Institute Anjaneri, Nashik**  
**Department of Mechanical Engineering**  
**Second Year (2021-2022)**  
**Unit Test- II**

Date :  
 Subject : Fluid Mechanics (202049 )  
 Max. Marks : 30  
 Semester : II

Time: 11.00-12.00

**Instructions to the Candidates:**

1. Question paper based on syllabus completion till date.
2. Solve Any 1 Question each from Q.1 Q.2. and Q.3 Q.4.
3. Assumptions made if any should be justified
4. Question paper will base on University Paper Pattern.
5. Test will be of (10 Marks MCQ and 20 marks descriptive)

Q.No		Question Statement	Marks
1	a)	Explain the boundary layer separation & discuss the methods to avoid boundary layer separation. (CO4)	7
	b)	A 0.2m diameter pipe carries liquid in laminar region. A pitot tube placed in the flow at radial distance 15mm from the axis of pipe indicates velocity of 0.5 m/s. Calculate i) Maximum velocity ii) Mean velocity ii) Discharge through pipe.State Bernoulli's theorem & the assumptions made in Bernoulli's equation. . (CO4)	8
<b>OR</b>			
2	a)	Derive Euler's equation for flow along stream line & deduce the Bernoulli's equation from same. (CO4)	7
	b)	A 200mm × 100mm venturimeter is provided in vertical pipe carrying water flowing in horizontal direction. A differential mercury manometer connected to the inlet & throat gives a reading of 220mm. Find the velocity of fluid & rate of flow. (CO4)	8
3	a)	Define the lift force & drag force on an object immersed in a fluid (CO-5)	7
	b)	Derive expression for the pressure drop for a steady laminar flow through circular pipe. (CO-5)	8
<b>OR</b>			
4	a)	Syphon of diameter 200mm connects two reservoir having difference in elevation of 15m. Total length of syphon is 600m & summit is 4m above water level in upper reservoir. If separation takes place at 2.8m water absolute. Find the maximum length of syphon from upper reservoir to summit. Take coefficient of friction as 0.004 & atmospheric pressure as 10.3m of water(CO-5)	7
	b)	Draw neat labelled sketch of shear stress & velocity distribution diagram across a section of pipe (CO-5)	8



  
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**Department of Mechanical Engineering**  
**Second Year (2021-2022)**  
**Unit Test- I**

Date :  
 Subject : Fluid Mechanics (202049 )  
 Max. Marks : 30  
 Semester : II

Time: 11.00-12,00

Instructions to the Candidates:

1. Question paper based on syllabus completion till date.
2. Solve Any 1 Question each from Q.1 Q.2. and Q.3 Q.4.
3. Assumptions made if any should be justified
4. Question paper will base on University Paper Pattern.
5. Test will be of (10 Marks MCQ and 20 marks descriptive)

Q.No		Question Statement	Marks
1	a)	Give classification of fluid with examples. Why water is considered as Ideal fluid. (CO-1)	7
	b)	A 90 N rectangular solid block slides down a 30° inclined plane. The plane is lubricated by a 3mm thick film of oil of relative density 0.9 and viscosity 0.8 N/m <sup>2</sup> . If the contact area is 0.3 m <sup>2</sup> , find the velocity of the block. (CO-1)	8
<b>OR</b>			
2	a)	Define Viscosity, Surface Tension, Capillarity, Compressibility, Vapour Pressure(CO-1)	7
	b)	Explain Pascal's Law. (CO-1)	8
3	a)	The velocity vector in a fluid flow is given by $V = 4x^3i - 10x^2yj + 2tk$ . Find the velocity and acceleration of the fluid particle at point (2, 1, 3) at time $t=1$ . (CO-2)	7
	b)	Derive continuity equation in Cartesian coordinates.. (CO-2)	8
<b>OR</b>			
4	a)	The velocity potential function $\phi$ is given as $\phi = -2xy$ , i) Determine stream function. ii) Determine the velocity at (2,2) (CO-2)	7
	b)	Explain streak line, Path line, Stream line. (CO-2)	8



  
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**Assignment 2**

1. Explain streak line, Path line, Stream line. (CO-3)
2. Define and explain Significance of Reynolds number. . (CO-3)
3. If a fluid with a viscosity of  $0.4 \text{ Ns/m}^2$  and relative density of 900  $\text{Kg/m}^3$  flows through a pipe of 20 mm with a velocity of 2.5 m, calculate the Reynolds number. . (CO-3)



  
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## **Assignment 2**

1. A kite has plan area of  $0.25\text{m}^2$  & is flying in wind of velocity  $25\text{kmph}$ .  
The kite has net weight of  $1.2\text{N}$ . When string is inclined at angle of  $15^\circ$  to the vertical , tension in string was found to be  $3\text{N}$ . Evaluate coefficient of lift & drag. Take density of air as  $1.5\text{ kg/m}^3$ . **(CO-6)**
2. Explain Reynold's Model Law**(CO-6)**
3. Explain Froude's Model Law. **(CO-6)**



  
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Subject code		202049	University Examination			
Subject Name		Fluid Mechanics	TH		OR	TW
			IN SEM	END Sem		
Sr.No	Seat No.	Name of Student	7	8	25	
		Maximum marks	30	70	25	
1	S190620801	NAGARE SHUBHAM BHARAT	25	19	14	
2	S190620802	AHER PRATIK SUNIL	26	14	13	
3	S190620803	AHIRE JAYANT BHILA	25	AB	14	
4	S190620804	AHIRE JAYESH KEDA	26	22	13	
5	S190620805	AHIRE MAYUR RAVINDRA	24	16	14	
6	S190620806	AMRUTKAR GAURAV SHARAD	25	23	13	
7	S190620807	ANSARI AAMIR SUHAIL	24	28	15	
8	S190620808	ATTAR MUBEEN JAKIR	24	20	14	
9	S190620809	BAGUL DHIRAJ VILAS	25	11	13	
10	S190620810	BANSODE PRAFUL BAPUSO	26	AB	14	
11	S190620811	BARI NIKHIL SURESH	25	17	14	
12	S190620812	BAVISKAR MAYUR NANDKISHOR	26	28	13	
13	S190620813	BENDALE SHIVAM VILAS	24	21	14	
14	S190620814	BHADAKWADE DARSHAN VIJAY	25	28	13	
15	S190620815	BHAMARE PRATIK PANDIT	26	AB	14	
16	S190620816	BHANDARE VAIBHAV ANIL	24	28	13	
17	S190620817	BHARATI KRISHNA MARUTI	25	23	15	
18	S190620818	BHILORE ABHISHEK ASHOK	24	24	14	
19	S190620819	BITLA SHRINIVAS SUDARSHAN	25	21	13	
20	S190620820	BORSE KALPESH VIJAY	26	23	14	
21	S190620821	BORSE MUKUL KISHOR	24	29	14	
22	S190620822	BUCHUDE MANGESH MUKUNDA	26	29	13	
23	S190620823	CHAVAN ROSHAN SHIVAJI	26	4	14	
24	S190620824	CHIKHALE SHUBHAM RAJENDRA	26	14	13	
25	S190620825	CHITRAKATHE DHANRAJ BABURAO	24	16	14	
26	S190620826	DAMERLUJ MADHAVAN DHANRAJ	25	19	13	
27	S190620827	DEORE SHUBHAM MADHUKAR	25	20	15	
28	S190620828	DHANRAO SAURABH VIJAY	26	28	14	
29	S190620829	DHIKALE SUSHANT SACHIN	26	28	13	
30	S190620830	DUSANE RISHIKESH CHANDRAKANT	26	20	14	
31	S190620831	GAIKWAD RAAJ KAMLAKAR	24	20	14	
32	S190620832	GAUD SURAJ SURESH	25	15	13	
33	S190620833	GAVIT SHAMUVEL BABJI	26	15	14	
34	S190620834	GAWARE HARSHAD PANDIT	25	15	13	
35	S190620835	GHODE PRASAD SANJAY	26	16	14	
36	S190620836	GORE VAIBHAV VALUBA	25	31	13	
37	S190620837	GUNJAL SACHIN KADU	25	6	15	
38	S190620838	HAJARE AKSHAY GANGADHAR	25	31	14	
39	S190620839	HIRAY AKSHAY PANDHARINATH	24	16	13	
40	S190620840	HIRAY ATUL BHAUSAHEB	25	20	14	
41	S190620841	HIRAY GHANSHYAM BAJIRAO	25	8	14	
42	S190620842	IPPAR ABHISHEK DHARMA	26	29	13	
43	S190620843	JADHAV GHANSHAM SANDEEP	27	29	20	
44	S190620844	JADHAV TEJAS NATHUSING	25	15	13	
45	S190620845	JAGADHANE AKASH MACHINDRA	25	32	14	
46	S190620846	JAGTAP HARSHWARDHAN ATUL	26	14	13	
47	S190620847	JAGTAP KSHITIJ ANIL	25	29	15	
48	S190620848	JAIN SARTHAK RAJENDRA				
49	S190620849	JANGE SOHAN SUNIL	25	AB	14	
50	S190620850	KADAM NITIN JIBHAU	24	AB	13	
51	S190620851	KADAM PRATIK SURESH	25	AB	14	
52	S190620852	KADBHANE OM SANDIP	25	28	14	
53	S190620853	KAKULATE VISHAL RAVINDRA	26	19	13	



  
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55	S190620855	KALE YOGESH DINESH	25	26	14
56	S190620856	KANDEKAR SANKET SUBHASH	25	31	13
57	S190620857	KARE ABHIJEET SANJAY	26	30	14
58	S190620858	KASAR SACHIN TUKARAM	26	28	13
59	S190620859	KHAIRNAR ATUL SHRAVAN	25	28	15
60	S190620860	KHAIRNAR PRITISH NARENDRA	24	10	14
61	S190620861	KHAIRNAR UMESH RAMDAS	25	AB	13
62	S190620862	KHAN SHAHIM AZIM	26	14	14
63	S190620863	KSHIRSAGAR MAYUR PRUTHVIRAJ	25	36	14
64	S190620864	KUBHANDE AKSHAY KAKASAHEB	26	30	13
65	S190620865	KUNDE MAHESH GANPAT	26	28	14
66	S190620866	KUWAR GAYATRI SANJAY	25	29	13
67	S190620867	KUYATE ABHISHEK PRADIP	26	14	14
69	S190620869	LOKHANDE ROHIT RAJESH	26	14	14
70	S190620870	MAHAJAN PARAG DAGADU	25	28	20
71	S190620871	MALI VINAYAK VISHWANATH	24	23	19
72	S190620872	MALWAL MAYUR BHARAT	25	32	21
73	S190620873	MOJAD SHUBHAM BALU	24	28	20
74	S190620874	MORE CHINMAY SANTOSH			
75	S190620875	MORE PRAMOD RAJENDRA	25	6	15
76	S190620876	MORE TEJAS RAJENDRA	25	AB	14
77	S190620877	NATH MAYUR DHANRAJ	26	AB	14
78	S190620878	NAVALE ABHIJEET VIJAY	25	21	13
79	S190620879	NAVALE RASIKA MARUTI	25	16	14
80	S190620880	NEVKAR RUSHIKESH DILIP	25	24	14
81	S190620881	NIKAM ANKUSH RAMESH	26	28	21
82	S190620882	NIKAM DARSHAN POPAT	25	34	20
83	S190620883	NIKAM PARAG KESHAV	25	34	21
84	S190620884	PADAWAL SACHIN SHIVAJI	26	30	20
85	S190620885	PAGAR SATYAM BABAN	26	28	19
86	S190620886	PANDE AKASH RAJENDRA	25	29	15
87	S190620887	PATEL MUSTAFA MEHAMUD	26	28	19
88	S190620888	PATIL KIRAN MANOHAR	25	29	18
89	S190620889	PATIL MAYUR ANIL	25	41	14
90	S190620890	PATIL ROSHAN ARUN	25	37	13
91	S190620891	PATIL SHAHU NANASAHEB	25	29	21
92	S190620892	PATIL TUSHAR SURESH	25	28	15
93	S190620893	PAWAR ADITYA NAVNATH	26	30	14
94	S190620894	PAWAR CHETAN DAULAT	25	34	15
95	S190620895	PAWAR HITESH ADHIKAR	27	28	19
96	S190620896	PAWAR SACHIN BALASAHEB	25	0	15
97	S190620897	PELMAHALE SACHIN SHIVAJI	25	25	14
98	S190620898	PRIYANKA SOMNATH BAGUL	26	22	18
99	S190620899	PURKAR NILESH DIGAMBAR	25	21	19
100	S190620900	RAJPUT DARSHAN SANJAY	25	25	19
101	S190620901	RAJPUT HARSHADA UDAYSING	25	18	15
102	S190620902	RAJPUT VARUN VIJAY	27	13	18
103	S190620903	RATHOD VIKAS PREMSING	25	15	14
104	S190620904	REDDY NAVEEN NARENDRA	25	15	18
105	S190620905	SALVE PRASHANT ASHOK	26	16	18
106	S190620906	SAVANT MAYUR YASHWANT	24	19	15
107	S190620907	SHAIKH MOHAMMAD ATA	25	19	19
108	S190620908	SHAIKH SAAD ALI	25	21	19
109	S190620909	SHEDAGE RAHUL SANJAY	26	14	18
110	S190620910	SHENDE PRATIK SURESH	25	AB	18
111	S190620912	SHEWALE KARTIK SUNIL	25	9	19
112	S190620913	SHEWALE SHUBHAM MADHUKAR	24	22	20
113	S190620914	SHINDE ABHISHEK ANIL	25	21	19



  
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114	S190620915	SHINDE HARSHADA RAJENDRA	24	16	15	
115	S190620916	SHINDE RAHUL SUDHAKAR	24	10	18	
116	S190620917	SHINDE VISHAL RANGNATH	24	11	14	
117	S190620918	SOLUNKE RATNADEEP YOGENDRASING	25	7	19	
118	S190620919	SONAR VICKY SUBHASH	24	AB	16	
119	S190620920	SONAWANE BHAVIK MADHUKAR	25	30	19	
120	S190620921	SONAWANE JAYESH RATNAKAR	25	15	15	
121	S190620922	SONAWANE SWAPNIL BHARAT	28	14	16	
122	S190620923	SURYAWANSHI AMOL SANJIV	25	22	19	
123	S190620924	SURYAWANSHI DEVIKA DHANANJAY	25	22	15	
124	S190620925	SURYAWANSHI PRASHANT AMARSING	24	21	16	
125	S190620926	TADGE VIKRAM MANOHAR	25	23	19	
126	S190620927	THAKARE SAURABH MANOJ	24	17	17	
127	S190620928	THAKARE YOGESH DIPAKRAO	24	28	16	
128	S190620929	UBALE VISHAL RAJENDRA	24	16	17	
129	S190620930	VAISHNAVI SHIVSHANKAR BHARATI	26	14	20	
130	S190620931	VANALE MANOJ SAHEBRAO	26	14	18	
131	S190620932	WAGH DNYANESHWAR SHAM	25	22	16	
132	S190620933	WAGH OM RAJENDRA	25	22	18	
133	S190620934	WAGH PRAVIN VIJAY	26	31	19	
134	S190620935	WAGH RUSHIKESH ANANDA	26	24	18	
135	S190620936	WAGHCHAURE MAYUR GAJANAN	25	9	18	
136	S190620937	ZOPE VAIBHAV SANJAY	25	8	16	
Number of students Above Target Value Stude			132	26	132	



  
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91	S190620891	PATIL SHAHU NANASAHEB			4	6			4	6	15	5	5		5	4			14	
92	S190620892	PATIL TUSHAR SURESH	5	5				5	4		12			4	6		4	6	13	
93	S190620893	PAWAR ADITYA NAVNATH	4	5				6	5		14	5	5			5	4		12	
94	S190620894	PAWAR CHETAN DAULAT			2	6	4				15	4	5			6	5		14	
95	S190620895	PAWAR HITESH ADHIKAR								5	5	14			2	6	4	4	13	
96	S190620896	PAWAR SACHIN BALASAHEB	3	4				4	6		12							5	5	12
97	S190620897	PELMAHALE SACHIN SHIVAJI			4	3	6	4			13	3	4			4	6		14	
98	S190620898	PRIYANKA SOMNATH BAGUL	6	5					4	2	14			4	3	6	4		14	
99	S190620899	PURKAR NILESH DIGAMBAR			6	6	3	5			15	6	5					4	2	14
100	S190620900	RAJPUT DARSHAN SANJAY	3	4					5	3	13			6	6	3	5		13	
101	S190620901	RAJPUT HARSHADA UDAYSING	2	5				6	4		12	3	4					5	3	12
102	S190620902	RAJPUT VARUN VIJAY									12	2	5			6	4		12	
103	S190620903	RATHOD VIKAS PREMSING	5	6	5	6	5	5			14								11	
104	S190620904	REDDY NAVEEN NARENDRA	5	5						5	6	12	4	2			5	4		13
105	S190620905	SALVE PRASHANT ASHOK			4	6	3	4			13	3	4					2	5	14
106	S190620906	SAVANT MAYUR YASHWANT	5	4				1	2		14			2	5	6	4		13	
107	S190620907	SHAIKH MOHAMMAD ATA									14	3	6					5	3	12
108	S190620908	SHAIKH SAAD ALI	3	7				5	5		12			4	4	5	4		11	
109	S190620909	SHEDAGE RAHUL SANJAY			6	3	3	5			13	3	4					2	5	14
110	S190620910	SHINDE PRATIK SURESH	2	5					5	5	14			2	5	6	4		15	
111	S190620912	SHEWALE KARTIK SUNIL	3	6					4	5	12	3	6			3	5		12	
112	S190620913	SHEWALE SHUBHAM MADHUKAR	4	4					5	4	11			3	5	3	6		14	
113	S190620914	SHINDE ABHISHEK ANIL						3	6		12			2	6			4	6	15
114	S190620915	SHINDE HARSHADA RAJENDRA	5	5				2	5		14			5	6	3	4		14	
115	S190620916	SHINDE RAHUL SUDHAKAR	6	5							13			3	5	5	3		12	
116	S190620917	SHINDE VISHAL RANGNATH			6	6	3	5			14	4	4					6	5	13
117	S190620918	SOLUNKE RATNADEEP YOGENDRASING	4	2				5	4		15	5	6			4	5		14	
118	S190620919	SONAR VICKY SUBHASH	3	4					2	5	15			4	5	5	4		15	
119	S190620920	SONAWANE BHAVIK MADHUKAR			2	5	6	4			14	1	2			5	4		13	
120	S190620921	SONAWANE JAYESH RATNAKAR	3	6				3	5		15	3	4					2	5	12
121	S190620922	SONAWANE SWAPNIL BHARAT	6	4					4	5	12			2	5	6	4		12	
122	S190620923	SURYAWANSHI AMOL SANJIV			5	5	5	3			14	3	6			3	5		14	
123	S190620924	SURYAWANSHI DEVIKA DHANANJAY	4	7					6	3	15	6	4					4	5	14
124	S190620925	SURYAWANSHI PRASHANT AMARSING	3	5				3	4		14			5	5	5	3		15	
125	S190620926	TADGE VIKRAM MANOHAR			5	4	4	5			12	4	7					6	3	12
126	S190620927	THAKARE SAURABH MANOJ			4	6			3	5	13	3	5			3	4		14	
127	S190620928	THAKARE YOGESH DIPAKRAO	3	5				5	4		14			4	4	5			15	
128	S190620929	UBALE VISHAL RAJENDRA			4	6	6	4			15			4	6			3	5	14
129	S190620930	VAISHNAVI SHIVSHANKAR BHARATI	5	5					2	5	13	3	5			5	4		12	
130	S190620931	VANALE MANOJ SAHEBRAO	2	6				4	4		12			3	6			5	6	13
131	S190620932	WAGH DNYANESHWAR SHAM	6	4				5	4		11			5	6	3	4		14	
132	S190620933	WAGH OM RAJENDRA	6	5						5	5	13			3	5	5	3		15
133	S190620934	WAGH PRAVIN VIJAY			5	3	4	5			12	1	4					6	5	13
134	S190620935	WAGH RUSHIKESH ANANDA			3	4			3	4	14	5	6			4	5		12	
135	S190620936	WAGHCHAURE MAYUR GAJANAN	2	6				2	5		13			4	5	5	4		12	
136	S190620937	ZOPE VAIBHAV SANJAY			3	5	3	6			13			3	6			5	6	14

Number of students Above Target Value Student



  
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88	S190620888	PATIL KIRAN MANOHAR	5	9	15	8	9	11	33	60	100	53	60	73	
89	S190620889	PATIL MAYUR ANIL	0	8	15	5	9	13	0	53	100	33	60	87	
90	S190620890	PATIL ROSHAN ARUN	10	9	14	0	8	14	67	60	93	0	53	93	
91	S190620891	PATIL SHAHU NANASAHEB	10	10	15	10	9	14	67	67	100	67	60	93	
92	S190620892	PATIL TUSHAR SURESH	10	9	12	10	10	13	67	60	80	67	67	87	
93	S190620893	PAWAR ADITYA NAVNATH	9	11	14	10	9	12	60	73	93	67	60	80	
94	S190620894	PAWAR CHETAN DAULAT	8	8	15	9	11	14	53	53	100	60	73	93	
95	S190620895	PAWAR HITESH ADHIKAR	0	10	14	8	8	13	0	67	93	53	53	87	
96	S190620896	PAWAR SACHIN BALASAHEB	7	10	12	0	10	12	47	67	80	0	67	80	
97	S190620897	PELMAHALE SACHIN SHIVAJI	7	10	13	7	10	14	47	67	87	47	67	93	
98	S190620898	PRIYANKA SOMNATHI BAGUL	11	6	14	7	10	14	73	40	93	47	67	93	
99	S190620899	PURKAR NILESH DIGAMBAR	12	8	15	11	6	14	80	53	100	73	40	93	
100	S190620900	RAJPUT DARSHAN SANJAY	7	8	13	12	8	13	47	53	87	80	53	87	
101	S190620901	RAJPUT HARSHADA UDAYISING	7	10	12	7	8	12	47	67	80	47	53	80	
102	S190620902	RAJPUT VARUN VIJAY	0	0	12	7	10	12	0	0	80	47	67	80	
103	S190620903	RATHOD VIKAS PREMSING	22	10	14	0	0	11	147	67	93	0	0	73	
104	S190620904	REDDY NAVEEN NARENDRA	10	11	12	6	9	13	67	73	80	40	60	87	
105	S190620905	SALVE PRASHANT ASHOK	10	7	13	7	7	14	67	47	87	47	47	93	
106	S190620906	SAVANT MAYUR YASHWANT	9	6	14	7	10	13	60	40	93	47	67	87	
107	S190620907	SHAIKH MOHAMMAD ATA	0	0	14	9	8	12	0	0	93	60	53	80	
108	S190620908	SHAIKH SAAD ALI	10	10	12	8	9	11	67	67	80	53	60	73	
109	S190620909	SHEDAGE RAHUL SANJAY	9	8	13	7	7	14	60	53	87	47	47	93	
110	S190620910	SHENDE PRATIK SURESH	7	10	14	7	10	15	47	67	93	47	67	100	
111	S190620912	SHEWALE KARTIK SUNIL	9	9	12	9	8	12	60	60	80	60	53	80	
112	S190620913	SHEWALE SHUBHAM MADHUKAR	8	9	11	8	9	14	53	60	73	53	60	93	
113	S190620914	SHINDE ABHISHEK ANIL	0	9	12	8	10	15	0	60	80	53	67	100	
114	S190620915	SHINDE HARSHADA RAJENDRA	10	7	14	11	7	14	67	47	93	73	47	93	
115	S190620916	SHINDE RAHUL SUDHAKAR	11	0	13	8	8	12	73	0	87	53	53	80	
116	S190620917	SHINDE VISHAL RANGNATH	12	8	14	8	11	13	80	53	93	53	73	87	
117	S190620918	SOLUNKE RATNADEEP YOGENDRASING	6	9	15	11	9	14	40	60	100	73	60	93	
118	S190620919	SONAR VICKY SUBHASH	7	7	15	9	9	15	47	47	100	60	60	100	
119	S190620920	SONAWANE BHAVIK MADHUKAR	7	10	14	6	9	13	47	67	93	40	60	87	
120	S190620921	SONAWANE JAYESH RATNAKAR	9	8	15	7	7	12	60	53	100	47	47	80	
121	S190620922	SONAWANE SWAPNIL BHARAT	10	9	12	7	10	12	67	60	80	47	67	80	
122	S190620923	SURYAWANSHI AMOL SANJIV	10	8	14	9	8	14	67	53	93	60	53	93	
123	S190620924	SURYAWANSHI DEVIKA DHAMANJAY	11	9	15	10	9	14	73	60	100	67	60	93	
124	S190620925	SURYAWANSHI PRASHANT AMARSING	8	7	14	10	8	15	53	47	93	67	53	100	
125	S190620926	TADGE VIKRAM MANOHAR	9	9	12	11	9	12	60	60	80	73	60	80	
126	S190620927	THAKARE SAURABH MANOJ	10	8	13	8	7	14	67	53	87	53	47	93	
127	S190620928	THAKARE YOGESH DIPAKRAO	8	9	14	4	9	15	53	60	93	27	60	100	
128	S190620929	UBALE VISHAL RAJENDRA	10	10	15	10	8	14	67	67	100	67	53	93	
129	S190620930	VAISHNAVI SHIVSHANKAR BHARATI	10	7	13	8	9	12	67	47	87	53	60	80	
130	S190620931	VANALE MANOJ SAHEBRAO	8	8	12	9	11	13	53	53	80	60	73	87	
131	S190620932	WAGH DNYANESHVAR SHAM	10	9	11	11	7	14	67	60	73	73	47	93	
132	S190620933	WAGH OM RAJENDRA	11	10	13	8	8	15	73	67	87	53	53	100	
133	S190620934	WAGH PRAVIN VIJAY	8	9	12	8	11	13	53	60	80	53	73	87	
134	S190620935	WAGH RUSHIKESH ANANDA	7	7	14	11	9	12	47	47	93	73	60	80	
135	S190620936	WAGHCHAUURE MAYUR GAJANAN	8	7	13	9	9	12	53	47	87	60	60	80	
136	S190620937	ZOPE VAIBHAV SANJAY	8	9	13	9	11	14	53	60	87	60	73	93	
Number of students Above Target Value Student										105	101	134	102	109	134



  
**PRINCIPAL**  
 Brahma Valley College of Engg. & R/I

Subject code		202049	course Exit Survey					
Subject Name		Fluid Mechanics						
Sr.No	Seat No.	Name of Student	CO-1	CO-2	CO-3	CO-4	CO-5	CO-6
Maximum marks								
1	S190620801	NAGARE SHUBHAM BHARAT	2	3	3	2	3	3
2	S190620802	AHER PRATIK SUNIL	2	3	3	3	3	3
3	S190620803	AHIRE JAYANT BHILA	3	3	3	3	3	3
4	S190620804	AHIRE JAYESH KEDA	2	3	3	3	3	3
5	S190620805	AHIRE MAYUR RAVINDRA	3	3	3	3	2	3
6	S190620806	AMRUTKAR GAURAV SHARAD	2	3	3	3	3	2
7	S190620807	ANSARI AAMIR SUHAIL	3	3	2	3	2	3
8	S190620808	ATTAR MUBEEN JAKIR	1	3	2	3	3	3
9	S190620809	BAGUL DHIRAJ VILAS	2	3	3	2	2	2
10	S190620810	BANSODE PRAFUL BAPUSO	1	3	3	3	3	3
11	S190620811	BARI NIKHIL SURESH	2	3	3	2	2	3
12	S190620812	BAVISKAR MAYUR NANDKISHOR	3	2	3	3	3	2
13	S190620813	BENDALE SHIVAM VILAS	2	3	3	2	3	3
14	S190620814	BHADAKWADE DARSHAN VIJAY	3	2	3	3	3	2
15	S190620815	BHAMARE PRATIK PANDIT	2	3	2	2	3	3
16	S190620816	BHANDARE VAIBHAV ANIL	2	2	3	3	3	2
17	S190620817	BHARATI KRISHNA MARUTI	1	3	3	2	3	3
18	S190620818	BHILORE ABHISHEK ASHOK	3	2	3	3	3	2
19	S190620819	BITLA SHRINIVAS SUDARSHAN	3	3	3	2	3	3
20	S190620820	BORSE KALPESH VIJAY	2	2	3	3	2	2
21	S190620821	BORSE MUKUL KISHOR	1	3	3	2	3	3
22	S190620822	BUCHUDE MANGESH MUKUNDA	2	2	3	2	2	2
23	S190620823	CHAVAN ROSHAN SHIVAJI	3	3	2	2	3	3
24	S190620824	CHIKHALE SHUBHAM RAJENDRA	3	2	3	2	2	2
25	S190620825	CHITRAKATHE DHANRAJ BABURAO	3	3	2	3	3	3
26	S190620826	DAMERLLU MADHAVAN DHANRAJ	3	2	3	3	2	2
27	S190620827	DEORE SHUBHAM MADHUKAR	3	3	2	3	3	3
28	S190620828	DHANRAO SAURABH VIJAY	3	3	3	3	2	3
29	S190620829	DHIKALE SUSHANT SACHIN	3	3	3	3	3	3
30	S190620830	DUSANE RISHIKESH CHANDRAKANT	2	3	2	3	2	3
31	S190620831	GAIKWAD RAAJ KAMLAKAR	2	3	3	3	3	3
32	S190620832	GAUD SURAJ SURESH	1	3	2	3	2	3
33	S190620833	GAVIT SHAMUVEL BABJI	2	3	3	3	3	3
34	S190620834	GAWARE HARSHAD PANDIT	3	3	2	2	2	3
35	S190620835	GHODE PRASAD SANJAY	2	3	3	3	3	3
36	S190620836	GORE VAIBHAV VALUBA	2	3	2	2	2	3
37	S190620837	GUNJAL SACHIN KADU	1	3	3	3	3	3
38	S190620838	HAJARE AKSHAY GANGADHAR	3	3	3	2	2	3
39	S190620839	HIRAY AKSHAY PANDHARINATH	2	2	3	3	3	2
40	S190620840	HIRAY ATUL BHAUSAHEB	3	3	3	2	2	3
41	S190620841	HIRAY GHANSHYAM BAJIRAO	2	3	3	3	3	2
42	S190620842	IPPAR ABHISHEK DHARMA	2	2	3	2	2	3
43	S190620843	JADHAV GHANSHAM SANDEEP	1	3	3	3	3	2
44	S190620844	JADHAV TEJAS NATHUSING	3	2	3	3	2	3
45	S190620845	JAGADHANE AKASH MACHINDRA	2	3	3	2	3	2
46	S190620846	JAGTAP HARSHWARDHAN ATUL	3	2	3	3	2	3
47	S190620847	JAGTAP KSHITIJ ANIL	2	3	3	3	3	2
48	S190620848	JAIN SARTHAK RAJENDRA	3	2	3	3	3	3
49	S190620849	JANGE SOHAN SUNIL	1	3	3	2	3	3
50	S190620850	KADAM NITIN JIBHAU	3	3	3	3	3	3
51	S190620851	KADAM PRATIK SURESH	3	3	3	3	3	3
52	S190620852	KADBHANE OM SANDIP	3	3	3	3	3	3
53	S190620853	KAKULATE VISHAL RAVINDRA	3	3	3	3	3	3
55	S190620855	KALE YOGESH DINESH	3	3	3	3	3	2
56	S190620856	KANDEKAR SANKET SUBHASH	3	3	3	2	3	3
57	S190620857	KARE ABHIJEET SANJAY	2	2	3	3	3	3
58	S190620858	KASAR SACHIN TUKARAM	2	3	1	2	3	2



  
**PRINCIPAL**  
 Brahma Valley College of Engg. & IT

59	S190620859	KHAIRNAR ATUL SHRAVAN	3	2	2	3	3	3
60	S190620860	KHAIRNAR PRITISH NARENDRA	3	3	2	2	2	2
61	S190620861	KHAIRNAR UMESH RAMDAS	2	2	2	3	2	3
62	S190620862	KHAN SHAHIM AZIM	3	3	2	2	2	2
63	S190620863	KSHIRSAGAR MAYUR PRUTHVIRAJ	2	2	2	2	2	3
64	S190620864	KUBHANDE AKSHAY KAKASAHEB	3	3	2	3	2	3
65	S190620865	KUNDE MAHESH GANPAT	3	2	2	3	2	3
66	S190620866	KUWAR GAYATRI SANJAY	2	3	3	2	2	3
67	S190620867	KUYATE ABHISHEK PRADIP	3	3	3	3	2	2
69	S190620869	LOKHANDE ROHIT RAJESH	2	3	2	2	3	3
70	S190620870	MAHAJAN PARAG DAGADU	3	3	3	3	3	2
71	S190620871	MALI VINAYAK VISHWANATH	2	3	2	2	3	3
72	S190620872	MALWAL MAYUR BHARAT	3	3	3	3	3	2
73	S190620873	MOJAD SHUBHAM BALU	2	3	2	2	2	3
74	S190620874	MORE CHINMAY SANTOSH	3	3	3	3	3	2
75	S190620875	MORE PRAMOD RAJENDRA	3	2	2	3	3	3
76	S190620876	MORE TEJAS RAJENDRA	3	3	3	2	3	3
77	S190620877	NATH MAYUR DHANRAJ	3	2	2	3	3	3
78	S190620878	NAVALE ABHIJEET VIJAY	3	3	3	3	3	2
79	S190620879	NAVALE RASIKA MARUTI	3	3	2	2	3	3
80	S190620880	NEVKAR RUSHIKESH DILIP	3	3	3	3	3	2
81	S190620881	NIKAM ANKUSH RAMESH	3	2	3	2	3	3
82	S190620882	NIKAM DARSHAN POPAT	3	3	3	3	3	2
83	S190620883	NIKAM PARAG KESHAV	3	2	3	3	3	3
84	S190620884	PADAWAL SACHIN SHIVAJI	2	3	2	2	3	2
85	S190620885	PAGAR SATYAM BABAN	3	3	3	3	2	3
86	S190620886	PANDE AKASH RAJENDRA	2	3	2	2	2	2
87	S190620887	PATEL MUSTAFA MEHAMUD	3	3	3	3	3	3
88	S190620888	PATIL KIRAN MANOHAR	3	3	2	3	3	3
89	S190620889	PATIL MAYUR ANIL	3	2	3	2	3	3
90	S190620890	PATIL ROSHAN ARUN	3	2	2	2	2	2
91	S190620891	PATIL SHAHU NANASAHEB	3	3	3	2	3	1
92	S190620892	PATIL TUSHAR SURESH	3	3	2	3	3	3
93	S190620893	PAWAR ADITYA NAVNATH	3	2	3	3	3	3
94	S190620894	PAWAR CHETAN DAULAT	3	3	2	3	3	3
95	S190620895	PAWAR HITESH ADHIKAR	2	3	3	3	3	3
96	S190620896	PAWAR SACHIN BALASAHEB	2	3	2	3	2	3
97	S190620897	PELMAHALE SACHIN SHIVAJI	2	2	3	3	3	3
98	S190620898	PRIYANKA SOMNATH BAGUL	3	3	2	2	3	3
99	S190620899	PURKAR NILESH DIGAMBAR	3	2	3	2	2	3
100	S190620900	RAJPUT DARSHAN SANJAY	3	3	2	3	3	3
101	S190620901	RAJPUT HARSHADA UDAYSING	3	3	3	2	2	2
102	S190620902	RAJPUT VARUN VIJAY	3	3	2	3	3	3
103	S190620903	RATHOD VIKAS PREMSING	3	3	3	2	3	2
104	S190620904	REDDY NAVEEN NARENDRA	3	3	2	3	3	3
105	S190620905	SALVE PRASHANT ASHOK	3	2	3	2	3	2
106	S190620906	SAVANT MAYUR YASHWANT	3	3	2	3	3	3
107	S190620907	SHAIKH MOHAMMAD ATA	3	3	3	2	3	2
108	S190620908	SHAIKH SAAD ALI	3	2	2	3	3	2
109	S190620909	SHEDAGE RAHUL SANJAY	2	3	3	2	3	2
110	S190620910	SHENDE PRATIK SURESH	2	3	2	2	3	2
111	S190620912	SHEWALE KARTIK SUNIL	2	3	3	3	3	2
112	S190620913	SHEWALE SHUBHAM MADHUKAR	2	3	2	3	3	2
113	S190620914	SHINDE ABHISHEK ANIL	3	3	3	3	2	2
114	S190620915	SHINDE HARSHADA RAJENDRA	3	3	2	3	2	3
115	S190620916	SHINDE RAHUL SUDHAKAR	3	3	3	2	2	2
116	S190620917	SHINDE VISHAL RANGNATH	3	3	2	3	3	3
117	S190620918	SOLUNKE RATNADEEP YOGENDRASING	2	3	3	2	3	3
118	S190620919	SONAR VICKY SUBHASH	3	2	3	3	3	2
119	S190620920	SONAWANE BHAVIK MADHUKAR	2	3	3	2	3	3
120	S190620921	SONAWANE JAYESH RATNAKAR	3	2	3	3	3	2
121	S190620922	SONAWANE SWAPNIL BHARAT	2	3	3	2	3	3



  
**PRINCIPAL**  
 Brahma Valley College of Engg. & RI

122	S190620923	SURYAWANSHI AMOL SANJIV	3	3	3	3	3	2
123	S190620924	SURYAWANSHI DEVIKA DHANANJAY	3	3	3	3	3	3
124	S190620925	SURYAWANSHI PRASHANT AMARSING	2	3	3	2	3	3
125	S190620926	TADGE VIKRAM MANOHAR	3	3	3	3	3	2
126	S190620927	THAKARE SAURABH MANOJ	3	3	2	3	3	3
127	S190620928	THAKARE YOGESH DIPAKRAO	3	3	3	3	3	2
128	S190620929	UBALE VISHAL RAJENDRA	3	3	2	3	3	3
129	S190620930	VAISHNAVI SHIVSHANKAR BHARATI	3	2	3	2	2	2
130	S190620931	VANALE MANOJ SAHEBRAO	2	3	2	3	3	3
131	S190620932	WAGH DNYANESHWAR SHAM	3	2	3	3	3	2
132	S190620933	WAGH OM RAJENDRA	2	3	2	2	3	3
133	S190620934	WAGH PRAVIN VIJAY	3	2	3	3	3	2
134	S190620935	WAGH RUSHIKESH ANANDA	2	3	3	3	2	3
135	S190620936	WAGHCHAURE MAYUR GAJANAN	3	2	3	3	3	3
136	S190620937	ZOPE VAIBHAV SANJAY	3	3	3	2	3	3
Number of students Above Target Value Stud			3	3	3	3	3	3



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**PRINCIPAL**  
Brahma Valley College of Engg. & IT

- level-3 More than 70% student's score is more than set target
- level-2 50-60% student's score is more than set target
- level-1 0-50% student's score is more than set target

Target value 50% 40% 50% 50% 50% 50% 50% 50%

Course outcome	INSEM	ENDSEM	OR	CO-1	CO-2	CO-3	CO-4	CO-5	CO-6
Number of Student Attempted	136	136	136	136	136	136	136	136	136
Number of student score more than the ser target	132	26	132	105	101	134	102	109	134
Percentage of student score more than the ser target	97	19	97	77	74	99	75	80	99
Target Level Achieved	3	1	2	2	2	3	2	3	3
Average	2			2.5					

Direct CO Attainment 2.1  
 over all CO Attainment 2.19



Sr.No	CO Number	Co Attainment
1	CO-1	2
2	CO-2	2
3	CO-3	3
4	CO-4	2
5	CO-5	2
6	CO-6	3

CO- PO Mapping & Attainment

	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12
CO-1	2	2	2	1	0	3	2	1	2	0	0	1
CO-2	3	3	1	0	2	2	0	1	0	2	3	0
CO-3	3	1	0	3	2	2	1	0	2	0	2	1
CO-4	3	3	2	2	2	0	0	0	1	1	2	0
CO-5	3	3	3	2	2	1	0	1	1	0	1	0
CO-6	2	3	3	2	1	1	0	1	1	0	2	0
<b>CO-PO</b>	<b>2.3</b>	<b>2.3</b>	<b>2.3</b>	<b>2.5</b>	<b>2.5</b>	<b>2.3</b>	<b>2.3</b>	<b>2.3</b>	<b>2.4</b>	<b>2.0</b>	<b>2.4</b>	<b>2.5</b>

Co-PO attainment



*(Signature)*  
**PRINCIPAL**  
 Brahma Valley College of Engg. & RI