

Vivekanand College, Kolhapur
Department of Computer Science
CO/PO/PSO Attainment Calculation
Year (2024-2025)

Program Outcomes (PO)

PO1: Knowledge of Disciplines: Demonstrate the fundamental practical and theoretical understanding and conceptual knowledge of all the disciplines in physical sciences prescribed.

PO2: Problem solving skills: Think and evaluate critically, analyze complex situations and provide solutions to problems using scientific methodology; thus relating the acquired knowledge to dayto-daylife.

PO3: Research aptitude: Cultivate a liking for research; and apply the related skills and scientific temper in order to carry out research work that benefits the surrounding community and industry

PO4: Professional and soft skills: Function independently and collaboratively to achieve the work-place goals through successful relations and mannerisms.

PO5: Environment and Sustainability: Possess empathetic awareness towards environment and focus on sustainable social development while conducting research and scientific studies.

PO6: Cultural ethics: Act in ethically righteous manner in planning, conducting and communicating the research and always keep in mind the cultural ethos of our society.

Program Specific Outcomes (PSO)

PSO1: Design, implementation, testing, and evaluate a computer system, component and algorithms to meet desired needs and to solve a problems using Computers.

PSO2: Demonstrate knowledge of Computer fundamentals, discrete mathematics and data structures, Network systems and Internet Technologies.

PSO3: Demonstrate knowledge of probability and statistics, including applications appropriate to computer science, information and technology.

CO's (Course Outcomes) for Course: DSC-1006A

CO1: Learn and Understand the basics of Programming languages and Database Management Systems

CO2: Learn and Understand the basics of Python Programming languages and Concepts Database Management Systems

CO3: Design small problems using Python programming language and DBMS Environment

CO4: Solve and Analyze small problems with different problem- solving techniques

CO's (Course Outcomes) for Course: DSC-1006B

CO1: Learn And Understand The Related And Extended Concepts Of Python Programming And Database Management System

CO2: Design Complex Problems Using Python Programming Language And DBMS Environment

CO3: Recognize And Identify The Different Concepts Available in Python Programming And DBMS

CO4: Solve and Analyze complex problems with different problem-solving concepts.

CO's (Course Outcomes) for Course: DSC-1006C

CO1: Learn and Understand basics of Operating System and Object - Oriented Programming Concepts

CO2: Learn And Understand the Basics Of LINUX Operating System and Object - Oriented Programming Concepts Using Python

CO3: Define , Discuss and Explain the Concept of OS and Features of OOPs

CO4: Illustrate and Construct LINUX Commands and Basics Of OOPs

CO's (Course Outcomes) for Course: DSC-1006D

CO1: Learn And Understand The Related And Extended Concepts Of OS and Basics of Data Structures

CO2: Learn and Understand LINUX Scripting and Data Structures

CO3: Illustrate and Construct LINUX Shell Scripts and Different Types of Data Structures in Python

CO4: Solve and Analyze Problems Using Shell Scripts and Different Types of Data Structures

CO's (Course Outcomes) for Course: DSC-1006E1

CO1: Learn and understand the basic concepts of Computer Networks.

CO2: Learn and understand Linux administration for networking tasks.

CO3: Illustrate and demonstrate Linux administration commands used in networking.

CO4: Apply Linux administration commands to configure different network topologies.

CO's (Course Outcomes) for Course: DSC-1006E2

CO1: Learn and understand the fundamental concepts of Software Engineering.

CO2: Learn and understand Software Project Management principles.

CO3: Illustrate and demonstrate preparation of Software Requirement Specifications (SRS) with use cases.

CO4: Apply design techniques to develop effective Software Requirement Specifications (SRS).

CO's (Course Outcomes) for Course: DSC-1006E3

CO1: Learn and understand the basics of Java programming language.

CO2: Apply object-oriented programming concepts using Java.

CO3: Recognize and identify different concepts and features available in Java.

CO4: Solve and analyze complex problems using Java problem-solving concepts.

CO's (Course Outcomes) for Course: DSC-1006E4

CO1: Learn and understand the basics of Python and the Flask micro framework.

CO2: Apply fundamentals of web development using Flask and Python.

CO3: Recognize and identify different features and concepts available in Flask with Python.

CO4: Solve and analyze web development problems using Flask and Python.

CO's (Course Outcomes) for Course: DSC-1006F1

CO1: Learn and understand various Object-Oriented Software Engineering concepts.

CO2: Illustrate and demonstrate UML diagrams.

CO3: Design and apply UML diagrams for software solutions.

CO4: Analyze and evaluate designed UML diagrams.

CO's (Course Outcomes) for Course: DSC-1006F2

CO1: Learn and understand advanced computer network concepts.

CO2: Illustrate and demonstrate advanced networking concepts.

CO3: Design and apply advanced network configurations.

CO4: Analyze applied network concepts.

CO's (Course Outcomes) for Course: DSC-1006F3

CO1: Learn and understand advanced concepts of web development using Flask and Python.

CO2: Learn and understand basics of application deployment.

CO3: Apply web development methods to solve real-world problems.

CO4: Analyze and evaluate web development solutions.

CO's (Course Outcomes) for Course: DSC-1006F4

CO1: Learn and understand basics of data science and machine learning concepts.

CO2: Learn and understand application deployment related to ML.

CO3: Apply data science and machine learning methods to solve small real-world problems.

CO4: Analyze data science and machine learning solutions with small problem sets.

Articulation Matrix for Course: DSC-1006A

CO No.	PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3
CO1	3	3	1	1	1	1	3	3	1
CO2	3	3	1	1	1	1	3	3	1
CO3	3	3	2	2	1	1	3	3	2
CO4	3	3	3	2	1	1	3	3	2
Average	3.00	3.00	1.75	1.50	1.00	1.00	3.00	3.00	1.50

Articulation Matrix for Course: DSC-1006B

CO No.	PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3
CO1	3	3	1	1	1	1	3	3	1
CO2	3	3	2	1	1	1	3	3	1
CO3	3	3	2	2	1	1	3	3	2
CO4	3	3	3	3	1	1	3	3	3
Average	3.00	3.00	2.00	1.75	1.00	1.00	3.00	3.00	1.75

Articulation Matrix for Course: DSC-1006C

CO No.	PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3
CO1	3	3	1	1	1	1	3	3	1
CO2	3	3	1	1	1	1	3	3	1
CO3	3	3	2	2	1	1	3	3	2
CO4	3	3	3	3	1	1	3	3	2
Average	3.00	3.00	1.75	1.75	1.00	1.00	3.00	3.00	1.50

Articulation Matrix for Course: DSC-1006D

CO No.	PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3
CO1	3	3	1	1	1	1	3	3	1
CO2	3	3	1	1	1	1	3	3	1
CO3	3	3	2	2	1	1	3	3	2
CO4	3	3	3	3	1	1	3	3	3
Average	3.00	3.00	1.75	1.75	1.00	1.00	3.00	3.00	1.75

Articulation Matrix for Course: DSC-1006E1

CO No.	PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3
CO1	3	1	3	2	1	3	2	2	2
CO2	3	1	3	2	1	3	2	2	2
CO3	3	2	3	3	2	3	3	3	3
CO4	3	2	3	3	2	3	3	3	3
Average	3.00	1.50	3.00	2.50	1.50	3.00	2.50	2.50	2.50

Articulation Matrix for Course: DSC-1006E2

CO No.	PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3
CO1	3	1	3	2	1	3	2	2	2
CO2	3	1	3	2	1	3	2	2	2
CO3	3	2	3	3	2	3	3	3	3
CO4	3	2	3	3	2	3	3	3	3
Average	3.00	1.50	3.00	2.50	1.50	3.00	2.50	2.50	2.50

Articulation Matrix for Course: DSC-1006E3

CO No.	PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3
CO1	3	2	2	2	1	3	2	2	2
CO2	3	2	2	2	1	3	2	2	2
CO3	3	2	3	2	2	3	3	3	3
CO4	3	2	3	2	2	3	3	3	3
Average	3.00	2.00	2.50	2.00	1.50	3.00	2.50	2.50	2.50

Articulation Matrix for Course: DSC-1006E4

CO No.	PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3
CO1	3	2	2	2	1	3	2	2	2
CO2	3	2	2	2	1	3	2	2	2
CO3	3	2	3	2	2	3	3	3	3
CO4	3	2	3	2	2	3	3	3	3
Average	3.00	2.00	2.50	2.00	1.50	3.00	2.50	2.50	2.50

Articulation Matrix for Course: DSC-1006F1

CO No.	PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3
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CO1	3	1	3	2	1	3	2	2	2
CO2	3	1	3	2	1	3	2	2	2
CO3	3	2	3	3	2	3	2	3	3
CO4	3	2	3	3	2	3	2	3	3
Average	3.00	1.50	3.00	2.50	1.50	3.00	2.00	2.50	2.50

Articulation Matrix for Course: DSC-1006F2

CO No.	PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3
CO1	3	1	3	2	1	3	2	2	2
CO2	3	1	3	2	1	3	2	2	2
CO3	3	2	3	3	2	3	2	3	3
CO4	3	2	3	3	2	3	2	3	3
Average	3.00	1.50	3.00	2.50	1.50	3.00	2.00	2.50	2.50

Articulation Matrix for Course: DSC-1006F3

CO No.	PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3
CO1	3	0	3	1	0	3	2	2	2
CO2	3	1	3	2	1	3	2	2	2
CO3	3	2	3	3	1	3	3	3	3
CO4	3	2	3	3	2	3	3	3	3
Average	3.00	1.67	3.00	2.25	1.33	3.00	2.50	2.50	2.50

Articulation Matrix for Course: DSC-1006F4

CO No.	PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3
CO1	3	0	3	1	0	3	2	2	2

CO2	3	1	3	2	1	3	2	2	2
CO3	3	2	3	3	1	3	3	3	3
CO4	3	2	3	3	2	3	3	3	3
Average	3.00	1.67	3.00	2.25	1.33	3.00	2.50	2.50	2.50

CO attainment calculation

Course Code	External Average	Internal Average	(A+B)/2	Direct level	Indirect Average	Indirect level	80% + 20%
DSC-1006A	50.00	45.83	47.92	1.00	45.00	1.00	1.00
DSC-1006B	50.00	47.92	48.96	1.00	39.39	0.00	0.80
DSC-1006C	50.00	50.00	50.00	1.00	41.46	1.00	1.00
DSC-1006D	50.00	54.17	52.08	2.00	47.29	1.00	1.80
DSC-1006E1	50.00	50.00	50.00	1.00	46.25	1.00	1.00
DSC-1006E2	50.00	54.17	52.08	2.00	42.92	1.00	1.80
DSC-1006E3	50.00	54.17	52.08	2.00	41.04	1.00	1.80
DSC-1006E4	50.00	35.42	42.71	1.00	43.75	1.00	1.00
DSC-1006F1	48.98	51.02	50.00	1.00	44.58	1.00	1.00
DSC-1006F2	48.98	57.14	53.06	2.00	42.92	1.00	1.80
DSC-1006F3	48.98	42.86	45.92	1.00	42.29	1.00	1.00
DSC-1006F4	48.98	55.10	52.04	2.00	46.25	1.00	1.80

CO Attainment Verification

Course Code	CO Target	CO Attainment	Fully Attained or Not	Action Taken
DSC-1006A	3	1.00	Not Attained	Need to focus on overall
DSC-1006B	3	0.80	Not Attained	Need to focus on overall
DSC-1006C	3	1.00	Not Attained	Need to focus on overall

Course Code	CO Target	CO Attainment	Fully Attained or Not	Action Taken
DSC-1006D	3	1.80	Not Attained	Need to focus on overall
DSC-1006E1	3	1.00	Not Attained	Need to focus on overall
DSC-1006E2	3	1.80	Not Attained	Need to focus on overall
DSC-1006E3	3	1.80	Not Attained	Need to focus on overall
DSC-1006E4	3	1.00	Not Attained	Need to focus on overall
DSC-1006F1	3	1.00	Not Attained	Need to focus on overall
DSC-1006F2	3	1.80	Not Attained	Need to focus on overall
DSC-1006F3	3	1.00	Not Attained	Need to focus on overall
DSC-1006F4	3	1.80	Not Attained	Need to focus on overall

PO Attainment for All Courses

Course Code	PO1	PO2	PO3	PO4	PO5	PO6	CO Attainment
DSC-1006A	3.00	3.00	1.75	1.50	1.00	1.00	1.00
DSC-1006B	3.00	3.00	2.00	1.75	1.00	1.00	0.80
DSC-1006C	3.00	3.00	1.75	1.75	1.00	1.00	1.00
DSC-1006D	3.00	3.00	1.75	1.75	1.00	1.00	1.80
DSC-1006E1	3.00	1.50	3.00	2.50	1.50	3.00	1.00
DSC-1006E2	3.00	1.50	3.00	2.50	1.50	3.00	1.80
DSC-1006E3	3.00	2.00	2.50	2.00	1.50	3.00	1.80
DSC-1006E4	3.00	2.00	2.50	2.00	1.50	3.00	1.00
DSC-1006F1	3.00	1.50	3.00	2.50	1.50	3.00	1.00
DSC-1006F2	3.00	1.50	3.00	2.50	1.50	3.00	1.80
DSC-1006F3	3.00	1.67	3.00	2.25	1.33	3.00	1.00
DSC-1006F4	3.00	1.67	3.00	2.25	1.33	3.00	1.80
PO Attainment	1.32	1.28	1.34	1.33	1.34	1.36	

PSO Attainment for All Courses

Course Code	PSO1	PSO2	PSO3	CO Attainment
DSC-1006A	3.00	3.00	1.50	1.00
DSC-1006B	3.00	3.00	1.75	0.80
DSC-1006C	3.00	3.00	1.50	1.00
DSC-1006D	3.00	3.00	1.75	1.80
DSC-1006E1	2.50	2.50	2.50	1.00
DSC-1006E2	2.50	2.50	2.50	1.80
DSC-1006E3	2.50	2.50	2.50	1.80
DSC-1006E4	2.50	2.50	2.50	1.00
DSC-1006F1	2.00	2.50	2.50	1.00
DSC-1006F2	2.00	2.50	2.50	1.80
DSC-1006F3	2.50	2.50	2.50	1.00
DSC-1006F4	2.50	2.50	2.50	1.80
PSO Attainment	1.30	1.31	1.34	

PO Verification

PO Number	PO Attainment	Level
PO1	1.32	Average
PO2	1.28	Average
PO3	1.34	Average
PO4	1.33	Average
PO5	1.34	Average
PO6	1.36	Average

PSO Verification

PSO Number	PSO Attainment	Level
PSO1	1.30	Average
PSO2	1.31	Average
PSO3	1.34	Average

All Data Summary for Course: DSC-1006A

Sr No	External Marks	Internal Marks	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
1	52	24	5	5	4	5	5	5	5	5	5	5
2	42	None	5	5	5	5	5	5	5	5	5	5
3	25	20	5	5	5	4	3	3	4	4	4	5
4	48	22	5	4	5	4	5	3	3	4	4	5
5	29	25	3	4	3	3	4	4	3	4	4	3
6	38	19	5	5	4	4	4	4	4	4	4	4
7	39	26	5	5	5	4	5	5	5	5	5	5
8	51	23	3	3	3	3	3	3	3	3	3	3
9	26	27	5	4	3	4	3	4	3	4	3	4
10	56	24	5	4	4	3	4	4	4	4	4	3
11	32	27	5	5	5	5	4	4	5	5	4	4
12	48	18	4	3	4	4	3	3	4	4	3	4
13	42	27	5	4	5	3	4	4	4	3	4	4
14	58	25	5	4	4	5	5	5	3	4	5	5
15	40	26	5	5	5	5	5	4	3	5	5	5
16	36	23	5	5	5	4	5	4	5	5	5	4
17	41	25	5	5	5	5	5	5	5	5	5	5
18	39	24	4	4	4	4	4	4	4	4	4	4
19	51	25	5	5	4	4	5	4	4	4	4	4

[illegible]

Sr No	External Marks	Internal Marks	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
45	53	27	5	5	5	5	5	5	5	5	5	5
46	33	26	4	5	5	5	5	5	5	5	5	4
47	27	18	5	5	5	5	5	5	5	5	5	5
48	27	21	5	5	5	5	5	5	4	4	4	4

All Data Summary for Course: DSC-1006B

Sr No	External Marks	Internal Marks	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
1	55	20	4	5	4	4	5	4	3	3	4	3
2	44	24	4	4	4	4	4	4	4	4	4	4
3	25	20	3	3	3	3	3	3	3	3	3	3
4	42	26	5	5	5	5	5	5	5	5	5	5
5	29	21	3	2	2	2	2	2	2	2	2	3
6	46	25	5	5	4	4	5	5	5	5	5	5
7	33	26	5	4	3	3	3	4	4	4	5	3
8	55	23	5	4	3	3	3	4	5	4	5	3
9	33	16	3	5	5	4	3	5	5	3	4	4
10	58	30	4	3	3	4	4	4	4	5	4	4
11	39	20	5	5	5	5	5	4	4	3	5	5
12	48	27	5	5	5	4	3	2	3	2	3	5
13	48	27	5	5	5	5	4	4	3	4	3	4
14	59	24	4	5	4	4	5	5	5	5	4	5
15	34	21	4	4	4	4	4	4	5	4	4	4
16	43	25	4	4	4	4	4	4	4	4	4	4
17	35	25	5	5	5	5	5	4	4	4	4	5
18	44	19	5	5	4	4	4	5	5	5	5	4

Sr No	External Marks	Internal Marks	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
19	59	23	3	3	3	3	3	3	3	3	3	3
20	31	27	3	3	2	3	3	3	2	3	3	3
21	50	25	3	3	3	3	3	3	3	3	3	3
22	48	26	4	4	4	4	4	5	4	5	5	4
23	32	15	5	5	5	5	5	5	5	5	5	5
24	31	21	4	4	4	4	3	3	4	3	4	4
25	54	20	3	2	3	3	2	3	2	3	2	2
26	31	21	3	4	4	3	3	3	3	4	3	3
27	37	21	5	4	5	4	4	4	4	3	4	5
28	53	25	4	4	4	4	4	4	3	5	4	2
29	42	24	3	3	4	3	4	3	4	4	3	3
30	37	25	5	5	4	5	4	5	4	4	4	5
31	47	26	4	4	3	4	4	4	4	4	4	4
32	28	20	5	5	5	5	5	5	4	4	5	4
33	30	19	5	5	5	5	5	5	5	5	5	5
34	51	20	5	4	5	5	5	5	5	4	3	5
35	43	18	5	5	5	4	5	5	5	5	4	4
36	39	26	5	4	4	3	4	4	3	5	4	4
37	42	26	5	4	5	5	4	5	5	5	5	5
38	39	21	5	5	5	5	5	5	5	5	5	5
39	42	26	5	5	5	5	5	5	5	5	5	5
40	50	27	3	3	4	5	3	2	3	5	4	2
41	62	30	5	5	5	5	5	5	5	5	5	5
42	53	29	5	5	5	5	5	5	5	5	5	5
43	28	16	3	3	4	3	3	3	4	3	3	3

Sr No	External Marks	Internal Marks	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
18	43	23	5	5	5	5	5	5	5	5	5	5
19	61	23	4	4	4	4	4	4	5	4	4	5
20	30	21	4	4	4	4	3	4	4	5	5	4
21	53	23	5	4	4	5	4	4	4	4	4	4
22	52	22	5	5	5	5	4	5	4	5	5	5
23	32	22	4	4	4	4	4	4	4	4	4	4
24	25	20	1	3	5	3	2	4	5	1	4	5
25	44	23	5	5	5	5	5	5	5	5	5	5
26	48	24	4	4	4	4	4	4	4	5	5	5
27	32	22	4	4	4	4	4	3	4	4	4	4
28	53	22	5	5	5	4	4	4	4	4	5	4
29	52	24	5	5	5	5	5	5	5	5	5	5
30	40	20	5	5	5	5	5	5	5	5	5	5
31	51	22	4	3	3	3	4	3	3	3	3	3
32	29	20	5	4	4	4	4	5	4	4	4	5
33	29	21	4	5	4	4	3	4	5	5	4	4
34	51	20	3	3	3	3	3	3	3	3	3	3
35	49	21	5	5	5	5	5	5	5	5	5	5
36	43	22	3	3	3	3	3	3	3	3	3	3
37	60	26	3	2	3	2	3	3	3	3	3	3
38	43	21	4	4	4	4	4	4	4	4	4	4
39	36	20	3	3	3	3	3	3	3	3	3	3
40	59	25	4	4	3	3	3	3	3	3	3	3
41	62	29	5	5	5	5	5	5	5	5	5	5
42	42	23	5	5	4	4	4	4	5	3	5	4

Sr No	External Marks	Internal Marks	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
43	28	21	5	5	4	5	5	5	5	5	5	5
44	37	25	4	5	4	5	5	5	5	5	5	5
45	56	26	4	4	3	4	4	3	3	3	4	4
46	42	24	4	3	3	3	3	4	4	4	3	4
47	34	21	4	4	4	5	4	4	4	4	4	5
48	33	20	5	4	3	5	5	5	4	4	3	4

All Data Summary for Course: DSC-1006D

Sr No	External Marks	Internal Marks	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
1	50	27	5	4	5	3	3	4	4	4	3	4
2	47	22	5	5	5	5	5	5	5	5	5	5
3	46	21	3	4	2	3	4	5	2	4	4	3
4	36	23	5	5	5	5	5	4	5	4	5	5
5	35	20	4	5	3	5	4	4	3	5	3	4
6	47	28	3	2	2	3	2	3	3	2	3	2
7	44	24	5	5	5	5	5	5	5	5	5	5
8	43	23	5	4	5	5	5	4	5	4	4	5
9	36	23	5	5	4	4	4	4	4	4	4	4
10	64	29	4	4	3	4	4	3	3	3	4	4
11	50	23	4	3	3	3	3	3	4	3	5	4
12	45	24	2	3	2	2	2	2	2	2	2	2
13	33	27	5	5	5	5	5	4	4	3	5	5
14	49	27	5	4	5	4	5	4	5	4	5	3
15	32	26	5	5	5	4	3	5	5	5	4	5
16	39	23	5	4	5	4	5	5	4	5	5	5

[illegible]

Sr No	External Marks	Internal Marks	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
42	38	28	5	5	5	5	5	5	5	5	5	5
43	25	21	5	4	3	4	3	4	5	4	3	4
44	48	26	5	5	5	5	5	4	5	5	5	5
45	47	29	5	4	4	5	5	5	5	4	4	5
46	25	23	5	5	5	5	5	5	5	5	5	5
47	35	21	4	5	4	5	5	5	5	5	5	5
48	25	21	5	5	5	5	4	5	5	5	5	5

All Data Summary for Course: DSC-1006E1

Sr No	External Marks	Internal Marks	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
1	19	14	5	5	5	5	5	5	5	5	5	4
2	18	11	5	5	5	5	5	5	5	5	5	5
3	5	9	4	4	4	4	4	4	4	4	4	4
4	19	9	5	5	5	5	5	5	5	5	5	5
5	15	9	5	4	5	5	5	5	5	5	5	5
6	26	15	5	5	5	5	5	5	5	5	5	5
7	23	13	5	5	5	5	5	5	5	5	5	5
8	24	13	5	5	5	5	5	5	5	5	5	5
9	19	13	5	4	5	4	4	5	5	5	4	4
10	24	14	4	4	4	3	4	4	3	5	4	5
11	18	10	3	3	4	4	3	4	3	3	3	4
12	20	12	4	4	4	4	4	4	4	4	4	4
13	15	12	4	3	3	3	4	2	5	2	5	4
14	20	15	4	5	4	5	4	5	4	4	5	4
15	16	15	5	5	5	5	4	4	5	4	5	4

Sr No	External Marks	Internal Marks	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
16	23	15	4	3	3	3	3	3	3	3	3	3
17	19	15	5	5	5	5	5	5	5	5	5	5
18	19	15	5	5	5	5	5	5	5	5	5	5
19	21	15	3	3	3	3	3	3	3	3	3	3
20	9	10	5	5	5	5	5	5	5	5	5	5
21	25	11	5	5	5	5	5	5	5	5	5	5
22	20	13	4	4	4	4	4	4	4	4	4	4
23	14	14	3	3	3	3	3	3	3	3	3	3
24	18	12	4	4	3	4	3	4	3	4	3	3
25	23	14	4	4	4	3	3	5	4	3	3	5
26	23	12	5	5	5	5	5	5	5	5	5	5
27	25	15	4	4	4	4	4	4	4	4	4	4
28	26	15	3	4	3	4	3	3	3	3	2	3
29	31	15	4	5	5	4	3	2	3	5	4	5
30	29	13	5	5	5	5	5	5	5	5	5	5
31	24	14	3	3	3	3	3	3	3	3	3	3
32	18	13	3	2	2	3	2	3	2	2	3	3
33	26	13	3	3	3	3	3	3	3	3	3	4
34	29	12	4	4	3	3	3	3	3	3	3	4
35	21	12	5	4	4	3	5	4	4	3	5	4
36	20	13	4	5	5	4	3	4	4	4	5	5
37	25	14	3	3	3	3	4	4	4	4	4	3
38	20	12	5	5	5	5	5	5	5	4	5	4
39	25	9	4	3	4	4	4	4	4	3	3	3
40	32	14	5	5	5	4	4	4	4	5	5	5

[illegible]

Sr No	External Marks	Internal Marks	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
14	28	12	3	3	3	3	3	3	3	3	3	3
15	19	14	5	5	5	5	5	5	5	5	5	5
16	14	14	5	5	4	5	5	5	5	5	5	5
17	19	14	4	3	4	4	4	4	3	4	4	4
18	27	14	3	3	3	3	3	3	3	3	3	3
19	33	14	5	5	5	4	2	4	5	2	1	5
20	12	11	5	5	5	5	5	5	5	5	5	5
21	23	12	4	4	4	4	4	4	4	4	4	4
22	18	12	4	3	3	3	4	2	4	3	4	4
23	12	13	5	5	4	5	5	5	5	5	5	5
24	12	12	3	3	3	3	3	3	3	3	3	3
25	14	15	5	5	5	5	5	5	5	5	5	5
26	27	11	5	5	5	5	5	5	4	5	5	5
27	22	15	4	4	4	3	4	3	3	4	4	4
28	24	14	3	2	3	2	2	3	3	2	2	3
29	18	14	5	5	5	4	3	4	4	4	4	4
30	18	12	4	4	3	3	3	3	3	3	3	4
31	13	14	5	5	5	5	5	5	5	5	5	5
32	15	12	5	4	3	5	3	5	4	5	3	4
33	23	11	4	4	3	4	4	3	3	4	3	5
34	20	12	5	4	5	4	5	4	5	5	4	5
35	26	13	4	3	3	3	3	3	3	3	3	3
36	19	13	4	4	4	4	4	4	4	4	4	4
37	24	14	5	5	5	4	4	3	4	5	5	5
38	24	12	4	3	2	2	2	2	2	2	3	3

Sr No	External Marks	Internal Marks	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
39	23	11	4	5	4	5	5	4	3	4	3	4
40	29	14	4	4	4	4	4	3	4	4	4	4
41	34	15	5	5	5	5	5	5	5	5	5	5
42	28	15	4	4	4	4	4	4	4	4	4	4
43	21	11	5	5	5	5	5	5	5	5	5	5
44	23	14	5	4	4	4	4	4	4	4	4	4
45	25	15	5	4	5	5	5	4	4	5	5	5
46	17	12	5	5	5	5	5	5	5	5	5	5
47	13	11	4	3	3	4	3	2	3	3	3	3
48	20	10	3	3	3	3	3	3	3	3	3	3

All Data Summary for Course: DSC-1006E4

Sr No	External Marks	Internal Marks	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
1	18	8	5	5	5	5	5	5	5	5	5	5
2	8	9	5	5	5	5	5	5	5	5	5	5
3	15	8	4	3	4	3	3	3	3	3	3	3
4	12	7	4	4	4	4	4	4	4	4	4	4
5	9	8	5	5	5	5	5	5	5	5	5	5
6	12	9	5	4	5	4	4	4	4	5	5	5
7	13	9	5	4	3	4	3	4	4	4	5	4
8	17	10	5	5	5	5	5	5	5	5	5	5
9	13	9	5	4	5	5	4	5	5	4	5	5
10	30	14	4	4	4	3	4	5	2	5	5	3
11	21	7	5	4	4	5	5	4	4	5	5	4
12	15	10	5	4	5	4	5	5	4	5	5	4

Sr No	External Marks	Internal Marks	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
13	13	12	5	5	5	5	5	5	5	5	5	5
14	17	10	5	5	5	5	5	5	5	5	5	5
15	9	10	4	4	4	4	3	3	3	3	3	4
16	9	10	3	3	3	3	3	3	3	3	3	3
17	12	9	4	4	4	4	4	4	4	4	4	4
18	15	10	4	4	4	4	5	5	4	4	2	3
19	18	10	5	5	5	5	5	5	5	5	5	5
20	8	10	4	4	4	4	4	4	4	4	4	4
21	8	9	3	5	4	3	4	4	5	3	3	4
22	12	12	3	3	3	3	3	3	3	3	3	3
23	7	9	3	3	3	3	3	4	3	3	3	3
24	7	9	5	5	5	5	5	5	5	5	5	5
25	13	10	4	4	5	4	4	4	4	4	4	4
26	14	10	4	4	3	3	3	4	3	3	3	3
27	15	15	5	5	5	5	5	5	5	5	5	5
28	17	10	3	3	3	3	3	3	3	3	3	3
29	12	10	3	2	2	3	3	2	2	2	3	3
30	9	10	5	5	5	5	5	5	5	5	5	5
31	9	10	3	4	3	4	4	3	3	3	3	3
32	9	10	3	4	5	5	4	4	3	5	3	4
33	13	10	5	5	5	4	4	4	4	5	5	5
34	8	10	4	4	4	4	4	4	4	3	3	4
35	8	10	4	4	4	4	4	4	4	5	4	4
36	12	10	2	2	2	2	2	2	2	2	2	2
37	16	12	4	5	4	5	3	3	4	5	5	4

Sr No	External Marks	Internal Marks	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
12	19	10	5	5	5	5	5	5	5	5	5	5
13	26	14	5	4	5	4	5	4	5	4	5	5
14	13	12	4	5	5	5	5	5	5	5	5	5
15	22	14	3	3	3	3	3	3	3	3	3	3
16	22	13	5	5	5	5	5	5	5	5	5	5
17	23	12	3	3	3	3	3	3	3	3	3	3
18	13	13	5	5	5	5	5	5	5	5	5	5
19	21	14	5	5	5	5	5	5	5	3	3	4
20	30	15	4	4	4	4	4	4	4	4	4	4
21	21	14	4	4	3	5	3	4	4	3	4	3
22	32	13	3	3	3	3	3	3	3	3	3	3
23	25	14	5	5	5	5	5	5	5	5	5	5
24	15	13	5	5	5	5	5	5	5	5	5	5
25	17	14	4	4	4	4	4	4	3	3	4	4
26	23	15	5	5	5	5	5	5	5	5	5	5
27	22	15	2	3	3	2	2	3	3	2	2	3
28	25	14	3	3	3	3	3	3	3	3	3	3
29	29	15	5	5	4	5	4	4	4	3	4	4
30	23	15	3	3	4	3	4	4	3	3	4	4
31	21	14	4	5	3	4	5	4	4	5	4	5
32	20	13	4	3	3	4	4	4	4	4	3	4
33	16	14	4	4	3	4	4	3	3	4	4	5
34	25	13	5	5	5	4	3	4	3	5	5	5
35	22	14	2	2	2	2	2	2	2	2	2	2
36	20	14	4	5	4	4	3	5	3	5	4	4

Sr No	External Marks	Internal Marks	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
37	20	15	5	4	4	5	5	5	4	4	4	5
38	26	15	4	4	4	4	4	4	3	3	4	4
39	15	12	5	5	5	5	5	5	5	5	5	5
40	22	12	4	4	4	4	4	3	4	4	4	4
41	26	15	5	5	5	5	5	5	5	5	5	5
42	30	15	5	5	5	5	5	5	5	5	5	5
43	18	12	5	5	5	5	5	5	5	5	5	5
44	17	12	5	5	5	5	5	5	5	5	5	5
45	16	14	5	5	5	5	4	5	5	4	4	4
46	23	15	4	3	3	4	3	4	3	3	2	3
47	18	10	4	4	5	4	5	4	4	4	4	5
48	12	13	3	3	3	3	3	3	3	3	3	3

All Data Summary for Course: DSC-1006F2

Sr No	External Marks	Internal Marks	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
1	25	10	4	5	3	4	4	2	4	4	4	4
2	13	7	5	5	5	5	5	5	5	5	5	5
3	18	10	5	5	5	5	5	5	5	5	5	5
4	21	10	4	3	5	4	4	3	4	5	3	4
5	20	12	4	5	5	5	5	4	4	5	5	4
6	24	10	3	3	3	3	3	3	3	3	3	3
7	31	12	4	5	5	5	5	5	5	5	5	5
8	28	13	4	4	4	4	4	4	4	4	4	4
9	28	14	4	3	4	3	3	3	3	3	4	4
10	27	14	5	4	5	4	5	5	5	4	4	5

Sr No	External Marks	Internal Marks	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
11	31	14	5	4	5	5	4	4	5	4	5	5
12	19	10	4	4	4	4	4	4	4	4	4	4
13	33	14	3	3	3	3	3	3	3	3	3	3
14	8	12	5	5	5	5	5	5	5	5	5	5
15	30	12	3	3	3	3	3	3	3	3	3	3
16	18	11	5	4	4	4	4	5	4	4	4	4
17	25	10	5	4	5	4	5	4	5	5	3	5
18	15	12	4	4	4	3	4	4	4	4	4	4
19	25	13	5	5	5	5	5	5	5	5	5	5
20	32	14	3	4	4	4	4	4	3	3	4	4
21	26	11	5	5	5	5	5	5	5	5	5	5
22	31	12	3	3	3	3	3	3	3	3	3	3
23	31	15	3	4	3	3	3	3	3	3	3	3
24	17	10	5	5	5	5	5	5	5	5	5	5
25	26	13	4	4	4	4	3	4	4	4	4	4
26	28	13	3	3	3	4	4	4	3	4	3	4
27	31	10	5	5	5	5	5	5	5	5	5	5
28	23	15	3	5	5	3	5	3	3	4	5	3
29	29	13	3	3	2	3	2	3	2	2	2	3
30	23	14	3	3	3	3	3	3	3	3	3	3
31	18	14	5	5	5	5	5	5	5	5	5	5
32	23	12	3	3	3	3	3	3	3	3	3	3
33	20	10	5	5	5	5	5	5	5	5	5	5
34	18	10	5	4	3	4	4	3	3	3	4	4
35	32	12	5	4	3	5	5	4	5	4	5	5

Sr No	External Marks	Internal Marks	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
36	26	13	4	4	4	4	4	4	5	4	4	3
37	18	12	4	4	4	4	4	5	5	5	5	5
38	28	14	5	5	5	4	3	4	4	5	5	5
39	18	10	2	2	2	2	2	2	2	2	2	3
40	23	10	5	4	4	5	5	4	3	4	5	4
41	32	13	5	5	5	5	5	4	5	5	5	5
42	33	15	5	5	5	5	5	5	5	5	5	5
43	28	10	5	5	5	5	5	5	5	5	5	5
44	17	10	5	4	5	5	4	4	4	4	4	4
45	31	15	5	5	4	4	5	5	5	5	4	4
46	30	14	5	5	5	5	5	5	5	5	5	5
47	26	10	3	3	2	3	3	3	4	3	3	2
48	25	10	5	5	5	4	3	4	4	4	4	3

All Data Summary for Course: DSC-1006F3

Sr No	External Marks	Internal Marks	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
1	30	15	4	5	3	5	5	4	5	3	5	4
2	15	7	5	5	4	5	4	5	4	4	5	4
3	23	15	4	4	4	4	4	4	4	4	4	4
4	15	12	4	4	4	4	4	4	4	4	4	4
5	14	10	5	5	5	5	5	5	5	5	5	5
6	17	13	5	5	5	5	5	4	4	4	4	5
7	14	15	5	5	5	5	5	5	5	5	5	5
8	18	13	5	4	5	4	5	4	5	4	4	5
9	23	14	4	5	3	2	5	5	4	5	3	5

Sr No	External Marks	Internal Marks	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
10	16	14	5	4	4	5	5	4	4	4	4	4
11	30	15	5	5	5	5	5	4	5	5	5	5
12	20	11	5	5	5	5	5	5	4	5	5	5
13	21	14	4	5	4	4	4	3	5	5	4	4
14	19	None	5	5	5	5	5	5	5	5	5	5
15	23	15	5	5	5	5	4	5	4	5	5	5
16	14	12	3	4	4	4	3	3	3	3	3	4
17	19	11	3	3	3	3	3	3	3	3	3	3
18	14	15	5	5	5	3	5	5	3	4	5	5
19	24	14	5	5	5	5	5	5	5	5	5	5
20	26	14	4	4	3	3	4	4	4	3	4	5
21	18	13	4	4	4	3	3	4	3	3	4	3
22	25	14	4	4	4	4	4	4	4	4	4	4
23	22	None	3	3	3	3	3	3	3	3	3	3
24	17	14	5	5	5	5	5	5	5	5	5	5
25	18	14	5	5	5	5	5	5	5	5	5	5
26	18	14	4	3	3	3	3	4	4	4	3	4
27	24	14	4	2	5	4	4	4	4	4	4	4
28	24	15	3	2	3	3	2	3	2	3	2	2
29	24	15	5	5	5	4	4	4	4	4	4	4
30	23	12	3	3	3	3	3	3	3	3	3	3
31	14	15	5	5	5	5	5	5	5	5	5	5
32	19	13	3	3	3	3	3	3	3	3	3	3
33	14	11	4	4	3	4	3	3	3	3	4	4
34	17	14	5	4	5	3	4	4	3	4	4	4

Sr No	External Marks	Internal Marks	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
35	19	13	4	5	3	4	4	3	5	3	4	5
36	23	13	4	4	4	4	4	4	3	4	4	4
37	18	15	4	4	3	4	4	4	4	4	4	4
38	23	15	4	4	4	4	4	4	4	4	4	4
39	15	12	5	5	5	4	3	4	4	5	5	5
40	17	11	5	4	5	3	4	4	3	5	5	4
41	23	15	5	5	5	5	5	5	4	5	5	5
42	29	14	4	4	4	3	4	4	4	4	3	4
43	23	13	5	5	5	5	5	5	5	5	5	5
44	16	12	5	5	5	5	5	5	5	5	5	5
45	28	15	5	4	4	4	4	5	4	4	4	5
46	30	15	5	5	5	5	5	5	5	5	5	5
47	13	13	5	5	5	4	4	4	5	5	4	3
48	17	11	3	3	4	2	3	3	3	4	5	3

All Data Summary for Course: DSC-1006F4

Sr No	External Marks	Internal Marks	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
1	31	14	5	5	5	5	5	5	5	5	5	5
2	17	7	5	5	5	5	5	5	5	5	5	5
3	25	15	4	4	4	4	4	4	4	4	4	4
4	24	13	5	4	4	5	5	5	5	5	5	5
5	24	13	5	5	5	5	5	5	5	5	5	5
6	24	13	4	4	4	4	4	4	4	4	4	4
7	30	15	4	4	5	5	4	4	5	4	4	5
8	27	15	4	2	4	3	4	4	2	4	4	4

Sr No	External Marks	Internal Marks	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
9	25	14	5	4	5	4	4	5	4	4	5	4
10	20	14	5	4	4	4	4	4	3	3	4	4
11	29	15	5	4	5	4	5	5	4	5	4	5
12	19	15	5	5	5	5	5	5	5	5	5	5
13	26	14	5	5	5	5	5	5	5	5	5	5
14	20	14	4	4	4	4	4	3	4	4	4	4
15	28	13	5	5	5	5	5	5	5	5	5	5
16	24	14	5	3	2	5	5	5	5	5	5	4
17	27	15	3	3	3	3	3	3	3	3	3	3
18	13	12	5	5	5	5	5	5	5	5	5	5
19	25	14	5	5	5	5	5	5	5	5	5	5
20	28	14	4	5	3	4	3	4	3	5	4	3
21	23	13	3	3	3	3	3	3	3	3	3	3
22	29	15	4	4	5	4	4	4	4	4	4	4
23	25	13	4	3	3	3	3	4	3	4	3	3
24	22	14	4	4	4	4	4	4	4	4	3	3
25	25	14	4	3	4	4	4	4	4	4	4	4
26	29	14	3	4	3	2	2	3	3	4	3	4
27	26	13	5	5	5	5	5	4	4	4	4	4
28	26	14	3	2	3	3	2	3	2	3	2	2
29	25	14	3	3	3	3	3	3	3	3	3	3
30	26	14	5	5	5	5	5	5	5	5	5	5
31	22	13	3	3	3	3	3	3	3	3	3	3
32	19	14	4	4	4	4	4	3	3	3	4	4
33	14	14	4	5	3	2	4	5	3	5	4	5

Sr No	External Marks	Internal Marks	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
34	22	13	4	4	4	4	4	3	3	4	4	4
35	28	13	5	5	5	4	4	5	5	5	5	5
36	25	14	4	3	4	4	4	4	4	5	4	4
37	21	13	4	4	3	4	3	4	4	3	3	5
38	29	13	5	5	4	5	4	5	4	5	4	5
39	25	14	2	2	2	2	2	2	2	2	2	2
40	24	14	5	5	4	4	5	4	4	4	3	4
41	28	13	5	5	5	5	5	5	5	5	5	5
42	30	15	4	4	4	4	4	4	4	4	4	4
43	23	15	5	5	5	5	5	5	5	5	5	5
44	22	15	5	5	5	5	5	5	4	5	5	5
45	24	14	5	5	5	5	5	5	4	5	5	4
46	28	13	4	5	4	5	5	5	4	4	3	5
47	26	15	5	5	5	5	5	5	5	5	5	5
48	23	14	4	3	3	4	4	5	4	4	2	3