

Sessional Exam : April, 2024

MARKS FOIL

Date of Exam : 02-04-2024 (Tues)

College :- (032) PRAGJYOTISH COLLEGE

Degree :- B.Sc. (Honours) CBCS (4th Semester)

Subject :- Computer Science (Honours)

Paper :- (CSC-HC-4016 -I) Design and Analysis of Algorithms

Total Marks = 20

Sl.No.	G.U. ROLL NO.	NAME OF THE STUDENT	Total Marks
1.	US-221-032-0007	PREMESWAR YADAV	18
2.	US-221-032-0016	PARTHIV GOGOI PHUKAN	20
3.	US-221-032-0017	ARMAN HUSSAIN	19
4.	US-221-032-0018	ARNAV DAS	19
5.	US-221-032-0019	BISWAJIT BARMAN	18
6.	US-221-032-0023	DIKPAL BHARDWAJ	20
7.	US-221-032-0034	JACOB GOYARI	19
8.	US-221-032-0051	REHANA BEGUM	20
9.	US-221-032-0052	RAHUL KUMAR	18
10.	US-221-032-0073	AMLAN JYOTI KALITA	18
11.	US-221-032-0075	RISHABH KUMAR SINGH	18
12.	US-221-032-0088	MITHILESH LAHKAR	20
13.	US-221-032-0090	GAURAB DAS	17
14.	US-221-032-0098	FARIDA FOROZ CHOWDHURY	20
15.	US-221-032-0107	MILINDA CHAKMA	18
16.	US-221-032-0156	DEBASHISH HALOI	18
17.	US-221-032-0175	SHRUTI MALA DEKA	19
18.	US-221-032-0177	DARLO LOYA	20
19.	US-221-032-0185	NEELAKASH BORA	18
20.	US-221-032-0187	RAJ BRAHMA	18

Total numbers of Students Present = 20

(Ainul M. Choudhury)
Faculty, Department of Computer Science.

Paper Name : Design and Analysis of Algorithms

Paper Code : CSC-HC-4016

Course Outcome	Unit / Topic	Bloom's Taxonomy Level
<p>After the completion of this course, the students will be able to:</p> <p>CO-1: Basic Design and Analysis techniques of Algorithms, Correctness of Algorithm.</p> <p>CO-2: Algorithm Design Techniques such as Iterative techniques, Divide and Conquer, Dynamic Programming, Greedy Algorithms.</p> <p>CO-3: Various types of Sorting and Searching Techniques along with their complexity analysis.</p> <p>CO-4: Graphs Algorithms such as Breadth First Search (BFS), Depth First Search (DFS) and its Applications, as well as Minimum Spanning Trees.</p> <p>CO-5: String Processing including String Matching, KMP Technique.//</p>	Unit- 1: Introduction	Remember, Understand, Analysis, Evaluate
	Unit- 2: Algorithm Design Techniques	Remember, Understand, Analysis, Evaluate
	Unit-3: Sorting and Searching Techniques	Remember, Understand, Analysis, Evaluate
	Unit- 4: Balanced Trees	Remember, Understand, Analysis, Evaluate
	Unit- 5: Graphs	Remember, Understand, Analysis, Evaluate
	Unit- 6: String Processing	Remember, Understand, Analysis, Evaluate

MAPPING	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PSO-1	PSO-2	PSO-3	PSO-4
CO-1	H	H	L		M	H	L		H	
CO-2	L	M	M	M		L	M	L	L	M
CO-3	L	L	M	M	M	M		L	M	L
CO-4		M	L	L	M	L	M	H	L	L
CO-5	L	L	M	H	L	M		M	L	L

Department: Computer Science			
Semester: 4			
Course Code: CSC-HC-4016			
Course Name: Design and Analysis of Algorithms			
COs -->		<u>CO1</u> <u>UNDERSTAND</u> 10	<u>CO2</u> <u>APPLY</u> 10
Taxonomy -->			
Maximum Marks			
<u>No. of COs assessed</u>	<u>2</u>		
<u>No. of Students</u>	<u>20</u>		
<u>NAME OF THE STUDENT</u>	<u>ROLL NO.</u>		
PREMESWAR YADAV	0007	8	10
PARTHIV GOGOI PHUKAN	0016	10	10
ARMAN HUSSAIN	0017	10	9
ARNAV DAS	0018	10	9
BISWAJIT BARMAN	0019	9	9
DIKPAL BHARDWAJ	0023	10	10
JACOB GOYARI	0034	10	9
REHANA BEGUM	0051	10	10
RAHUL KUMAR	0052	9	9
AMLAN JYOTI KALITA	0073	9	9
RISHABH KUMAR SINGH	0075	9	9
MITHILESH LAHKAR	0088	10	10
GAURAB DAS	0090	10	7
FARIDA FOROZ CHOWDHURY	0098	10	10
MILINDA CHAKMA	0107	10	8
DEBASHISH HALOI	0156	9	9
SHRUTI MALA DEKA	0175	10	9
DARLO LOYA	0177	10	10
NEELAKASH BORA	0185	9	9
RAJ BRAHMA	0187	9	9

CO Attainment

Department: Computer Science			
Semester: 4			
Course Code: CSC-HC-4016			
Course Name: Design and Analysis of Algorithms			
COs -->		<u>CO1</u>	<u>CO2</u>
Taxonomy -->		<u>UNDERSTAND</u>	<u>APPLY</u>
<u>NAME OF THE STUDENT</u>	<u>ROLL NO.</u>		
PREMESWAR YADAV	0007	80.00%	100.00%
PARTHIV GOGOI PHUKAN	0016	100.00%	100.00%
ARMAN HUSSAIN	0017	100.00%	90.00%
ARNAV DAS	0018	100.00%	90.00%
BISWAJIT BARMAN	0019	90.00%	90.00%
DIKPAL BHARDWAJ	0023	100.00%	100.00%
JACOB GOYARI	0034	100.00%	90.00%
REHANA BEGUM	0051	100.00%	100.00%
RAHUL KUMAR	0052	90.00%	90.00%
AMLAN JYOTI KALITA	0073	90.00%	90.00%
RISHABH KUMAR SINGH	0075	90.00%	90.00%
MITHILESH LAHKAR	0088	100.00%	100.00%
GAURAB DAS	0090	100.00%	70.00%
FARIDA FOROZ CHOWDHURY	0098	100.00%	100.00%
MILINDA CHAKMA	0107	100.00%	80.00%
DEBASHISH HALOI	0156	90.00%	90.00%
SHRUTI MALA DEKA	0175	100.00%	90.00%
DARLO LOYA	0177	100.00%	100.00%
NEELAKASH BORA	0185	90.00%	90.00%
RAJ BRAHMA	0187	90.00%	90.00%

PO, PSO and CO
mapping

Department: Computer Science
Semester: 4
Course Code: CSC-HC-4016
Course Name: Design and Analysis of Algorithms

Mapping	PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3	PSO4
CO1	3	3	1	0	2	3	1	0	3	0
CO2	1	2	2	2	0	1	2	1	1	2
CO3	1	1	2	2	2	2	0	1	2	1
CO4	0	2	1	1	2	1	2	3	1	1
CO5	1	1	2	3	1	2	0	2	1	1

PO, PSO Attainment

Department: Computer

Science

Semester: 4

Course Code: CSC-HC-4016

Course Name: Design and Analysis of Algorithms

Name	ROLL NO.	PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3	PSO4
PREMESWAR YADAV	0007	56.67%	73.33%	46.67%	33.33%	26.67%	56.67%	46.67%	16.67%	56.67%	33.33%
PARTHIV GOGOI PHUKAN	0016	66.67%	83.33%	50.00%	33.33%	33.33%	66.67%	50.00%	16.67%	66.67%	33.33%
ARMAN HUSSAIN	0017	65.00%	80.00%	46.67%	30.00%	33.33%	65.00%	46.67%	15.00%	65.00%	30.00%
ARNAV DAS	0018	65.00%	80.00%	46.67%	30.00%	33.33%	65.00%	46.67%	15.00%	65.00%	30.00%
BISWAJIT BARMAN	0019	60.00%	75.00%	45.00%	30.00%	30.00%	60.00%	45.00%	15.00%	60.00%	30.00%
DIKPAL BHARDWAJ	0023	66.67%	83.33%	50.00%	33.33%	33.33%	66.67%	50.00%	16.67%	66.67%	33.33%
JACOB GOYARI	0034	65.00%	80.00%	46.67%	30.00%	33.33%	65.00%	46.67%	15.00%	65.00%	30.00%
REHANA BEGUM	0051	66.67%	83.33%	50.00%	33.33%	33.33%	66.67%	50.00%	16.67%	66.67%	33.33%
RAHUL KUMAR	0052	60.00%	75.00%	45.00%	30.00%	30.00%	60.00%	45.00%	15.00%	60.00%	30.00%
AMLAN JYOTI KALITA	0073	60.00%	75.00%	45.00%	30.00%	30.00%	60.00%	45.00%	15.00%	60.00%	30.00%
RISHABH KUMAR SINGH	0075	60.00%	75.00%	45.00%	30.00%	30.00%	60.00%	45.00%	15.00%	60.00%	30.00%
MITHILESH LAHKAR	0088	66.67%	83.33%	50.00%	33.33%	33.33%	66.67%	50.00%	16.67%	66.67%	33.33%
GAURAB DAS	0090	61.67%	73.33%	40.00%	23.33%	33.33%	61.67%	40.00%	11.67%	61.67%	23.33%
FARIDA FOROZ CHOWDHURY	0098	66.67%	83.33%	50.00%	33.33%	33.33%	66.67%	50.00%	16.67%	66.67%	33.33%
MILINDA CHAKMA	0107	63.33%	76.67%	43.33%	26.67%	33.33%	63.33%	43.33%	13.33%	63.33%	26.67%
DEBASHISH HALOI	0156	60.00%	75.00%	45.00%	30.00%	30.00%	60.00%	45.00%	15.00%	60.00%	30.00%
SHRUTI MALA DEKA	0175	65.00%	80.00%	46.67%	30.00%	33.33%	65.00%	46.67%	15.00%	65.00%	30.00%
DARLO LOYA	0177	66.67%	83.33%	50.00%	33.33%	33.33%	66.67%	50.00%	16.67%	66.67%	33.33%
NEELAKASH BORA	0185	60.00%	75.00%	45.00%	30.00%	30.00%	60.00%	45.00%	15.00%	60.00%	30.00%
RAJ BRAHMA	0187	60.00%	75.00%	45.00%	30.00%	30.00%	60.00%	45.00%	15.00%	60.00%	30.00%
Attainment		PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3	PSO4
Average		63.08%	78.42%	46.58%	30.67%	31.83%	63.08%	46.58%	15.33%	63.08%	30.67%