Bansilal Ramnath Agarwal Charitable Trust's

Vishwakarma College of Arts, Commerce and Science,

Affiliated to Savitribai Phule Pune University & Recognized by Government of Maharashtra

ID No. PUN/PN/ACS/275/2007   **NAAC Accredited with B+ Grade**   **College Code: 824**

Dr. Arun Patil   Ref. No.:
Principal
                                                                      Date:

2.5: Evaluation Process and Reforms

2.5.1: Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient

Dr. Arun R. Patil
PRINCIPAL
Vishwakarma College of Arts
Commerce & Science
Kondhwa (Bk.), Pune - 411 0

Bansilal Ramnath Agarwal Charitable Trust's
Vishwakarma College of Arts, Commerce and Science, Pune.
(Affiliated to Savitribai Phule Pune University)
NAAC Accredited with 'B+' Grade

NOTICE
SY B.Com. CONTINOUS INTERNAL EVALUATION

Date :18th April 2022

Sem -IV

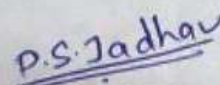All students are hereby inform that the INTERNAL ASSESSMENT for CBCS evaluation is as follows:

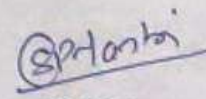| Sr. No.	Subject	Assignment Questions
1	Business communication -II	Q 1. Define 'Report' Explain the structure of report. Q. 2 Explain the goals and guidelines of negative reporting. Q. 3 Explain the types of report. Q. 4 Explain the guidelines for writing Persuasive Report.
2	Corporate accounting -II	Q 1. Define Holding Company & Subsidiary Company. Q. 2. Write Short notes on - a) Minority Interest b) Goodwill c) Inter company Owings d) Capital Profit / Loss e) Revenue Profit / Loss.
3	Business Economics (macro) - II	Q1. Money and Functions of Money Q2. Classical Approach Q3. Keynesian Approach Q4. Credit Control Methods
4	Business Management II	Q.I. Long Answers 1. Define Motivation. Explain in detail about the Maslow's Hierarchy of Needs Theory. 2. Discuss in brief about the styles of Leadership. Q.II Write Short notes 1. Importance of Motivation 2. Theory X and Y 3. Functions of Leader 4. Qualities of Leadership.

Sr. No.	Subject	Assignment Questions
5	Company law II	Q 1. Discuss the provisions of appointment of Director. Q 2. Write the Role and Responsibilities of Directors Q 3. Elaborate the Provisions of Remuneration of Directors as per Indian Companies Act, 2013
6	Business Administration II	1) Compliance of legal requirements for Promoting a Business unit. 2) Discuss in detail about the various Acts related to promotion and Establishment of Business Unit. 3) Explain the Registration Process of Business. 4) Explain in detail about the Licensing in India.
7	Cost & works accounting II	Q.1 Explain Functions and Duties of Storekeeper Q.2 Classification and Codification Q.3 Use of Computer in stores Accounting Q.4 Time Keeping and Time Booking

Note :

1. All the students should write the above Internal Assignment on Pages.

2. Mention Full Name , Roll no. on Hardcopy

3. It is considered for INTERNAL ASSIGNMENT -II for CBCS evaluation.

4. Students should be responsible for non evaluation.

5. Submission date for all subjects- 9th to 13th May 2022

Class Teacher   P.S.Jadhav
                         Co-ordinator   **HOD**

2

NOTICE
INTERNAL EXAMINATION TIME TABLE
(Academic Year 2021-22 - May 2022)
FYBCOM (Semester -II)

Day & Date	Sub. Code	Subject	Time
Monday 30th May 2022	121	Compulsory English- II	8:00 am to 8:30 am
	122	Financial Accounting- II	8:30 am to 9:00 am
Tuesday 31st May 2022	123	Business Economics (Micro) - II	8:00 am to 8:30 am
	124 A	Business Mathematics and Statistics - II	8:30 am to 9:00 am
	124 B	Computer Concepts & Applications - II	
Wednesday 1st June 2022	125 B	Banking & Finance -II	8:00 am to 8:30 am
	126 A	Essentials of E- Commerce -II	8:30 am to 9:00 am
	126 C	Marketing and Salesmanship-II	
	127 B	Marathi II	9:30 am to 10:30 am
	127 C	Hindi II	

Note:- Identity Card is compulsory for exam

107	1001-1045 =45
205	1046-1090 =45
210	1091-1115=25
003'	1115-1135=20
B105	1136-1151=16

P. S Jadhav
Coordinator

HOD

Principal

1

Sr.	Seat	Roll	Students' Name	BC - I	CA -	BE -	BM -	ECL -	BA -	CWA -	Total	%
1	38461	1401	Ahuja Vandana Mohan	24	23	23	21	27		21	139	77%
2	38352	1402	Aliasgar Modi	18	17	17	17	18		18	105	58%
3	38373	1403	Awad Avishkar Sudhakar	26	24	25	25	25	26		151	84%
4	38374	1404	Bablad Madhulika	24	22	26	25	26	26		148	82%
5	38372	1405	Bagde Abhishek Ashok	24	25	22	23	25	25		144	80%
6	38375	1406	Bapte Nishad Sanjay	29	24	24	24	25	25		151	84%
7	38462	1407	Bhagchandani Tanay	23	22	23	20	26		23	135	75%
8	38376	1408	Bhayani Sankalp Vipul	20	20	18	19	18	19	·	114	63%
9	38463	1409	Bhise Sakashi Pralhad	26	24	27	24	29		25	155	86%
10	38377	1410	Bhong Vinayak Vijay	27	22	18	25	18	17		127	71%
11	38378	1411	Bhosale Pratik Shankar	17	20	21	21	20	21		120	66%
12	38379	1412	Bhosale Sahil Manish	24	21	22	24	21	23		135	75%
13	38464	1413	Bodul Mohit Purushottam	25	25	26	28	24		26	154	86%
14	38380	1414	Bomble Atharva	23	20	29	24	23	22		140	78%
15	38381	1415	Borkar Pushkar Sunil	28	29	27	28	28	28		168	93%
16	38382	1416	Chavan Sanjana Sanjay	27	28	29	27	29	27		167	93%
17	38383	1417	Choudhary Anil Lalaram	25	25	26	24	23	25		148	82%
18	38365	1418	Choudhary Jeet	25	24	26	24	27		25	151	84%
19	38384	1419	Chouhan Darshan	26	24	24	20	24	29		146	81%
20	38385	1420	Dahodwala Taha	29	27	26	25	26	26		159	88%
21	38466	1421	Dave Anuj Ashwin	25	25	24	26	26		26	152	84%
22	38467	1422	Deokar Atharva Ramesh	27	24	26	26	26		24	152	84%
23	38468	1423	Desai Prathamesh Sanjay	26	26	24	27	27		25	155	86%
24	38366	1424	Dhume Atharva Somnath	24	20	23	20	21		20	127	71%
25	38419	1425	Didolkar Nishad Ajit	26	25	25	26	29	28		159	88%
26	38469	1426	Disha Singh Pambar	27	28	28	29	28	29		169	94%
27	38470	1427	Gandhi Mitali Jasraj	26	27	27	28	29		28	165	91%
28	38471	1428	Garg Chirag Sanjay	23	28	25	28	26	26		156	86%
29	38386	1429	Giri Yukta Dnyaneshwar	27	26	26	25	24	26		154	86%
30	38388	1430	Gohil Manthan Girish	25	22	28	20	18	20		133	74%
31	38389	1431	Gole Rutuja Adinath	23	23	26	23	27	26		147	81%
32	38472	1432	Gowda Vindhya	29	30	29	29	29		30	176	98%
33	38473	1433	Gujar Karan Manoj	27	25	24	25	26	26		153	85%
34	38474	1434	Gujar Kunal Milind	28	24	24	26	22	23		147	82%
35	38392	1435	Gupta Adarsh Sanjay	22	20	21	21	24	21		129	72%
36	38422	1436	Gurav Padmaja Sanjay	14	21	21	14	24	23		117	65%
37	38451	1437	Gurjar Sunita Ratanlal	29	29	29	29	28	29		173	96%
38	38393	1438	Hussain Kukshi	22	25	28	25	26	22		148	82%
39	38515	1439	Hussain Munshi	22	21	26	23	26	24		141	78%
40	38476	1440	Inamdar Poorva Vinayak	27	27	27	27	26		27	161	89%
41	38394	1441	Jadhav Aishwarya Vinod	24	24	26	25	25	24		148	82%
42	38395	1442	Jadhav Gaurav Rajesh	21	24	25	25	26	22		143	79%
43	38396	1443	Jadhav Yashraj Vinod	25	26	26	26	22	23		148	82%
44	38397	1444	Jain Tejas Anil	21	23	26	22	26	23		140	78%
45	38398	1445	Jain Yash Amrutlal	26	21	24	20	27	20		137	76%
46	38477	1446	Jaiswal Aniket Dinanath	21	21	27	21	20		22	132	73%
47	38478	1447	Jamdar Aditi Ajit	27	26	25	26	25		27	156	87%

#	ID	Roll	Name								Total	%
48	38479	1448	Jangid Manish Shyamlal	25	24	27	26	26		25	153	85%
49	38399	1449	Jha Sonukumari	29	29	29	28	29	29		173	96%
50	38400	1450	Kabbur Kunal Anand	26	26	24	26	26	26		154	85%
51	38480	1451	Kabya Nirala	29	28	29	29	29		29	172	96%
52	38401	1452	Kadam Shree Nitin	18	19	21	19	22		20	119	66%
53	38404	1453	Kamthe Swaraj Mohan	26	22	24	20	22	20		133	74%
54	38355	1454	Kamthe Yash Pradeep	22	24	22	20	22	23		133	74%
55	38405	1455	Kapadia Isha Rohit	27	26	26	26	27	26		157	87%
56	38420	1456	Kaswa Niteshkumar	21	22	22	23	21	21		130	72%
57	38387	1457	Kawediya Giten Bharat	27	26	26	25	26	27		157	87%
58	38406	1458	Kedari Swaroop	24	23	26	24	26	25		147	82%
59	38407	1459	Khadija Aziz Manasawala	26	29	28	29	29	27		168	93%
60	38408	1460	Khaire Isha Bapu	27	26	28	25	26	29		161	89%
61	38481	1461	Khan Aman Mohammad	27	23	24	23	21		21	139	77%
62	38482	1462	Koley Pinky Lakshmi	26	26	28	26	27		25	158	88%
63	38409	1463	Kolte Abhishek Sunil	24	26	25	28	26	23		152	84%
64	38483	1464	Krishna Binesh Dharman	26	28	26	28	26		26	159	88%
65	38484	1465	Kuwad Kajal Harshad	28	28	29	29	28		29	171	95%
66	38506	1466	Mahata Sujata	28	29	29	28	29		28	171	95%
67	38411	1467	Mahima Jain	27	24	26	25	27	26		155	86%
68	38490	1468	Mansi Naik Machindra	27	25	26	26	25		26	155	86%
69	38412	1469	Marane Vaibhavi Sachin	24	26	27	24	22	23		146	81%
70	38486	1470	Mardhekar Sakshi	23	26	26	28	29		27	159	88%
71	38487	1471	Mehra Saksham Girish	29	24	26	26	27		26	158	88%
72	38371	1472	Mehta Aarya Hemal	26	24	26	23	24	26		149	83%
73	38488	1473	Modhave Sakshi Raju	29	28	28	26	26		28	165	91%
74	38441	1474	More Sayali Vijay	27	26	28	26	27	26		160	89%
75	38489	1475	Mudaliar Riva	26	23	25	23	27		27	151	84%
76	38414	1476	Murtaza Naharpurawala	26	26	26	25	24	26		153	85%
77	38415	1477	Nair Anushka Chandran	26	26	25	26	24	25		152	84%
78	38410	1478	Nangare Komal	26	26	27	26	23	26		154	86%
79	38417	1479	Navgire Rohan	27	22	25	23	22	24		143	79%
80	38418	1480	Nikam Nayan Nandkumar	27	22	21	23	23	24		140	78%
81	38437	1481	Nishad Rajkumari	29	28	29	28	28	28		170	94%
82	38447	1482	Nishad Shivkumari	28	29	28	28	28	28		169	94%
83	38421	1483	Oswal Jainam Nitin	26	23	24	26	28	29		156	87%
84	38364	1484	Oswal Saakshi Vikram	25	24	23	24	24	23		143	79%
85	38434	1485	Palange Pranav Sanjay	21	18	22	22	24	26		133	74%
86	38491	1486	Palekar Kunal Sanjay	28	26	27	25	28		29	163	91%
87	38475	1487	Panse Haripriya Surendra	29	29	29	28	28		29	172	95%
88	38423	1488	Pardeshi Aditya Santosh	23	18	23	26	22	20		132	73%
89	38424	1489	Pardeshi Mrunal Kishor	21	20	22	20	18	19		120	67%
90	38493	1490	Patadiya Pratham Sanjay	21	22	26	27	26		24	146	81%
91	38425	1491	Patel Hetavi Nilesh	26	27	26	26	27	27		159	88%
92	38426	1492	Patel Jay Jitendrakumar	22	18	26	25	26	23		140	78%
93	38369	1493	Patel Pratham Haresh	28	26	28	28	26		27	163	90%
94	38427	1494	Patel Sangita Bhiyaram	27	28	29	25	29	29		167	93%
95	38494	1495	Patil Mukund Anand	24	27	27	24	27		18	147	82%
96	38429	1496	Pawar Siddhi Vijay	26	23	26	26	26	24		149	83%
97	38495	1497	Pawar Vishal Pradeep	23	26	24	26	26		24	149	83%
98	38359	1498	Pevekar Numan Naeem	24	26	26	23	24	24		147	81%
99	38496	1499	Pise Kavesh Vijay	27	25	27	24	23		22	148	82%

100	38497	1500	Pise Prathamesh Anil	25	26	27	24	27		23	152	84%
101	38431	1501	Poojari Shreya Shekhar	24	22	26	27	28	26		153	85%
102	38432	1502	Porwal Rishika Bharat	20	18	24	22	24	26		134	74%
103	38433	1503	Prajapati Dhiraj	29	26	28	29	26	28		166	92%
104	38436	1504	Rachita Singh Prajapti	28	29	28	29	29	29		172	96%
105	38498	1505	Raisoni Kushal Manoj	29	28	27	24	25		27	160	89%
106	38499	1506	Rajpurohit Manas Dalpat	26	23	24	21	21		23	137	76%
107	38438	1507	Rangapure Ashish Sachin	17	16	21	16	18	22		110	61%
108	38430	1508	Rathod Pooja Hari	27	26	28	27	26	28		162	90%
109	38439	1509	Sakshi Gholap	29	28	29	29	29	29		173	96%
110	38440	1510	Sanmane Pratiksha Ashok	23	25	26	26	28	24		152	84%
111	38442	1511	Sayyed Aqsa Sikandarali	24	20	24	25	24	26		143	79%
112	38504	1512	Shah Jay Rashmin	23	25	20	20	18		20	126	70%
113	38443	1513	Shah Lakshee Snehal	26	25	28	27	26	26		158	88%
114	38416	1514	Shah Namit Sushil	29	29	29	29	28	29		173	96%
115	38444	1515	Shah Palak Rahul	28	26	28	27	29	29		167	93%
116	38445	1516	Shaikh Aliya Mohd Ali	22	20	24	25	25	25		141	78%
117	38505	1517	Shaikh Mohd Saad Fayaz	27	21	23	22	21		23	137	76%
18	38446	1518	Shaikh Zahir Ekbal	27	25	27	25	27	26		157	87%
119	38460	1519	Shaikh Zaveria	23	18	24	22	27	24		138	76%
120	38370	1520	Shinde Akshay Ashuruba	25	20	22	18	23		18	125	69%
121	38492	1521	Shruti Parekh	27	26	28	28	27		27	163	91%
122	38503	1522	Siddharth Sanjay Dalvi	23	26	26	22	24		26	146	81%
123	38448	1523	Singh Shivam Rajmani	27	20	24	22	22	23		137	76%
124	38449	1524	Sirvi Nikita Himtaram	29	28	29	28	28	27		169	94%
125	38360	1525	Soni Tasneem Yusuf	20	21	24	22	22		22	131	73%
126	38507	1526	Surana Hardik Sachin	29	29	29	29	27		29	172	95%
127	38450	1527	SUTAR SRUSHTI GANESH	29	24	23	25	24	24		149	83%
128	38435	1528	Suthar Prem Ganesh	20	23	24	22	20	21		130	72%
129	38452	1529	Swamy Jonathan Eric	27	23	26	23	27	26		151	84%
130	38453	1530	Taha Boriwala	29	24	26	24	25	24		152	84%
131	38361	1531	Taha Tatiwala	27	25	29	28	28	27		164	91%
132	38508	1532	Tahilianey Tulsi Manoj	29	29	29	29	29		28	173	96%
133	38509	1533	Tandale Amey	27	27	28	27	24		24	157	87%
134	38510	1534	Thakkar Ishita Nitin	28	28	28	27	29		29	169	94%
135	38511	1535	Thakkar Om Surendra	27	28	29	27	25		27	163	91%
136	38454	1536	Thorbole Shubham	24	23	24	26	26	25		148	82%
137	38512	1537	Trivedi Dev Kirti	27	25	29	25	26		27	159	88%
138	38455	1538	Tupare Sakshi Suresh	26	25	28	25	27	25		156	87%
139	38457	1539	Varma Kajal Benigopal	27	25	27	26	24	26		155	86%
140	38458	1540	Vichare Rutuja Ramakant	29	29	28	28	28	27		169	94%

No	Code	Roll	Name								Total	%
141	38513	1541	Vineet Sunil Zaroo	29	29	29	29	28		29	173	96%
142	38402	1542	Vishwakarma Kajal	28	29	29	29	27	28		170	94%
143	38459	1543	Vristi Sachin Pardeshi	27	26	29	29	27	29		167	93%
144	38362	1544	Yadav Jyoti Balasaheb	26	24	28	29	25	28		160	89%
145	38514	1545	Yadav Sadhana Hemraj	26	25	23	24	26		24	147	81%
146	38502	1546	Yadav Satish Suresh	29	29	28	29	29		28	172	95%
147	38363	1547	Zainab Gunderwala	25	28	27	28	27	25		160	89%
148	38368	1548	Bansode Noah Rajnikant	20	18	21	22	24		23	127	71%
149	38391	1549	Gulve Dhawal Mahesh	16	16	18	17	16	17		100	56%
150	38356	1550	Karpe Manasi Ashok	29	25	28	26	26	28		162	90%
151	38413	1551	Momin Mohdaziz Mohdsh	22	17	20	18	17		22	116	64%
152	38456	1552	Vannam Aditi Suresh	27	24	27	27	26	27		158	88%
153	38465	1553	Boladra Narendra Santosh	20	18	20	18	19		20	115	64%
154	38501	1554	Sanghvi Riddhi Depak	24	20	26	21	26		21	137	76%
155	38367	1555	Malekar Abhishek Avinash	20	18	20	18	17		20	113	63%
156	38403	1556	Kale Omkar Dnyandeo	25	24	27	22	26	24		148	82%
157	38500	1557	Salvi Hrishikesh Rajesh	19	17	20	18	19		18	111	62%
158	38357	1558	Londhe Umesh Sundar	18	17	16	17	18	17		103	57%
159	38358	1559	Patel Sahil Ramji	16	16	15	16	17	17		97	54%
160	38353	1560	Datir Swaraj Suresh	18	17	18	16	17	17		103	57%
161	38354	1561	Jagdhane Sagar Sudhir	17	18	17	16	15	17		100	56%
162	38390	1562	Gore Sahil Vishal	19	18	18	20	17	18		110	61%
163	38428	1563	Pawar Abhishek Baburao	20	21	20	22	20	21		124	69%
164	38485	1564	Mane Avishkar Sampat	17	17	16	17	16	18		101	56%

TOTAL STUDENTS	164	164	164	164	164	105	59
PRESENT	164	164	164	164	164	105	59
ABSENT	0	0	0	0	0	0	0
FAIL	0	0	0	0	0	0	0
PASS	164	164	164	164	164	105	59
PASSING PERCENTAGE	100%	####	####	100%	100%	100%	100%

P.Jadhav
Class Teacher

P.S.Jadhav
Co-ordinator

HOD

Principal

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Savitribai Phule Pune University
Examination Session 2022
Marks Inward System for Colleges

2/16/2023

College Name	CAAP013020 - VISHWAKARMA COLLEGE OF ARTS,COMMERCE & SCIENCE		
Pattern Name	10219 - B.B.A.(Computer Application) 2019 Credit Pattern	Batch No	202210049144
Subject Name	101-CA - BUSINESS COMMUNICATION	Exam Type	INTERNAL OUT OF 30
Teacher Name	Barse Vaishali Ashok (Mob. No.: 8087832643) - Internal Examiner		

Total Students	Present Students	Absent Students	Not Applicable	Detained
90	90	0	0	0

Seat No	Marks/Grade	Seat No	Marks/Grade	Seat No	Marks/Grade	Seat No	Marks/Grade
4164	26	4189	27	4214	24	4239	27
4165	27	4190	26	4215	28	4240	28
4166	26	4191	26	4216	27	4241	29
4167	26	4192	27	4217	26	4242	29
4168	27	4193	26	4218	26	4243	28
4169	26	4194	26	4219	28	4244	27
4170	26	4195	28	4220	30	4245	27
4171	26	4196	26	4221	30	4246	30
4172	27	4197	26	4222	30	4247	30
4173	27	4198	26	4223	30	4248	24
4174	26	4199	27	4224	29	4249	30
4175	27	4200	26	4225	26	4250	27
4176	27	4201	28	4226	27	4251	27
4177	27	4202	26	4227	27	4252	28
4178	27	4203	28	4228	28	4253	28
4179	24	4204	26	4229	25		
4180	26	4205	25	4230	26		
4181	27	4206	25	4231	27		
4182	26	4207	29	4232	27		
4183	26	4208	27	4233	28		
4184	26	4209	26	4234	30		
4185	26	4210	28	4235	29		
4186	27	4211	30	4236	25		
4187	26	4212	30	4237	26		
4188	24	4213	27	4238	30		

Savitribai Phule Pune University
Examination Session 2022
Marks Inward System for Colleges

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2/16/2023

1 of 1

College Name	CAAP013020 - VISHWAKARMA COLLEGE OF ARTS,COMMERCE & SCIENCE		
Pattern Name	10219 - B.B.A.(Computer Application) 2019 Credit Pattern	Batch No	202210049146
Subject Name	102-CA - PRINCIPLES OF MANAGEMENT	Exam Type	INTERNAL OUT OF 30
Teacher Name	Barse Vaishali Ashok (Mob. No.: 8087832643) - Internal Examiner		

Total Students	Present Students	Absent Students	Not Applicable	Detained
90	90	0	0	0

Seat No	Marks/Grade	Seat No	Marks/Grade	Seat No	Marks/Grade	Seat No	Marks/Grade
4164	27	4189	27	4214	24	4239	26
4165	28	4190	26	4215	26	4240	26
4166	26	4191	26	4216	25	4241	27
4167	24	4192	28	4217	24	4242	24
4168	27	4193	25	4218	24	4243	24
4169	27	4194	24	4219	25	4244	24
4170	26	4195	29	4220	25	4245	24
4171	28	4196	25	4221	28	4246	29
4172	27	4197	26	4222	28	4247	29
4173	29	4198	25	4223	27	4248	24
4174	26	4199	26	4224	28	4249	30
4175	27	4200	24	4225	25	4250	27
4176	28	4201	26	4226	28	4251	24
4177	24	4202	26	4227	24	4252	27
4178	27	4203	27	4228	26	4253	28
4179	24	4204	24	4229	24		
4180	24	4205	25	4230	24		
4181	29	4206	24	4231	26		
4182	24	4207	26	4232	24		
4183	26	4208	28	4233	27		
4184	24	4209	27	4234	26		
4185	27	4210	28	4235	27		
4186	26	4211	29	4236	24		
4187	25	4212	26	4237	24		
4188	24	4213	25	4238	29		

Savitribai Phule Pune University
Examination Session 2022
Marks Inward System for Colleges

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2/16/2023

1 of 1

College Name	CAAP013020 - VISHWAKARMA COLLEGE OF ARTS,COMMERCE & SCIENCE		
Pattern Name	10219 - B.B.A.(Computer Application) 2019 Credit Pattern	Batch No	202210049147
Subject Name	103-CA - C LANGUAGE	Exam Type	INTERNAL OUT OF 30
Teacher Name	Barse Vaishali Ashok (Mob. No.: 8087832643) - Internal Examiner		

Total Students	Present Students	Absent Students	Not Applicable	Detained
92	92	0	0	0

Seat No	Marks/Grade	Seat No	Marks/Grade	Seat No	Marks/Grade	Seat No	Marks/Grade
4164	27	4189	27	4214	24	4239	26
4165	29	4190	26	4215	29	4240	25
4166	27	4191	26	4216	28	4241	28
4167	27	4192	24	4217	24	4242	27
4168	25	4193	27	4218	25	4243	24
4169	25	4194	24	4219	26	4244	24
4170	28	4195	30	4220	28	4245	26
4171	24	4196	28	4221	30	4246	29
4172	24	4197	26	4222	30	4247	29
4173	28	4198	26	4223	24	4248	24
4174	24	4199	25	4224	30	4249	25
4175	24	4200	29	4225	25	4250	29
4176	26	4201	26	4226	27	4251	24
4177	24	4202	26	4227	25	4252	24
4178	28	4203	26	4228	28	4253	24
4179	24	4204	30	4229	24	4262	26
4180	24	4205	25	4230	26	4269	27
4181	27	4206	24	4231	27		
4182	26	4207	28	4232	24		
4183	24	4208	29	4233	25		
4184	24	4209	30	4234	27		
4185	24	4210	29	4235	27		
4186	27	4211	30	4236	24		
4187	25	4212	30	4237	28		
4188	24	4213	28	4238	28		

Savitribai Phule Pune University
Examination Session 2022
Marks Inward System for Colleges

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2/16/2023

1 of 1

College Name	CAAP013020 - VISHWAKARMA COLLEGE OF ARTS,COMMERCE & SCIENCE		
Pattern Name	10219 - B.B.A.(Computer Application) 2019 Credit Pattern	Batch No	202210049148
Subject Name	104-CA - DATABASE MANAGEMENT SYSTEM	Exam Type	INTERNAL OUT OF 30
Teacher Name	Barse Vaishali Ashok (Mob. No.: 8087832643) - Internal Examiner		

Total Students	Present Students	Absent Students	Not Applicable	Detained
93	93	0	0	0

Seat No	Marks/Grade	Seat No	Marks/Grade	Seat No	Marks/Grade	Seat No	Marks/Grade
4164	26	4189	30	4214	24	4239	24
4165	27	4190	29	4215	27	4240	27
4166	29	4191	29	4216	29	4241	29
4167	26	4192	24	4217	25	4242	29
4168	24	4193	30	4218	25	4243	26
4169	24	4194	26	4219	27	4244	24
4170	26	4195	30	4220	28	4245	28
4171	30	4196	29	4221	30	4246	29
4172	25	4197	29	4222	30	4247	29
4173	29	4198	28	4223	26	4248	30
4174	29	4199	28	4224	30	4249	28
4175	28	4200	29	4225	26	4250	26
4176	27	4201	24	4226	29	4251	26
4177	28	4202	27	4227	26	4252	27
4178	26	4203	27	4228	28	4253	24
4179	24	4204	28	4229	24	4262	26
4180	24	4205	29	4230	24	4270	26
4181	24	4206	27	4231	27	4272	26
4182	25	4207	29	4232	27		
4183	25	4208	30	4233	26		
4184	25	4209	27	4234	29		
4185	24	4210	29	4235	26		
4186	24	4211	29	4236	26		
4187	24	4212	30	4237	26		
4188	24	4213	28	4238	28		

Savitribai Phule Pune University
Examination Session 2022
Marks Inward System for Colleges

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College Name	CAAP013020 - VISHWAKARMA COLLEGE OF ARTS,COMMERCE & SCIENCE		
Pattern Name	10219 - B.B.A.(Computer Application) 2019 Credit Pattern	Batch No	202210049149
Subject Name	105-CA - STATISTICS	Exam Type	INTERNAL OUT OF 30
Teacher Name	Barse Vaishali Ashok (Mob. No.: 8087832643) - Internal Examiner		

Total Students	Present Students	Absent Students	Not Applicable	Detained
92	92	0	0	0

Seat No	Marks/Grade	Seat No	Marks/Grade	Seat No	Marks/Grade	Seat No	Marks/Grade
4164	25	4189	29	4214	24	4239	24
4165	29	4190	24	4215	26	4240	29
4166	25	4191	27	4216	29	4241	30
4167	26	4192	24	4217	26	4242	29
4168	26	4193	24	4218	28	4243	25
4169	25	4194	24	4219	29	4244	24
4170	27	4195	30	4220	30	4245	30
4171	25	4196	29	4221	30	4246	29
4172	28	4197	27	4222	29	4247	29
4173	30	4198	26	4223	26	4248	26
4174	27	4199	26	4224	30	4249	27
4175	27	4200	26	4225	24	4250	24
4176	25	4201	24	4226	29	4251	26
4177	24	4202	27	4227	26	4252	24
4178	29	4203	25	4228	27	4253	25
4179	24	4204	26	4229	24	4262	25
4180	24	4205	24	4230	24	4269	25
4181	26	4206	27	4231	26		
4182	24	4207	27	4232	24		
4183	25	4208	24	4233	24		
4184	24	4209	29	4234	26		
4185	24	4210	30	4235	28		
4186	24	4211	30	4236	24		
4187	24	4212	30	4237	26		
4188	24	4213	27	4238	29		

Savitribai Phule Pune University
Examination Session 2022
Marks Inward System for Colleges

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2/16/2023

College Name	CAAP013020 - VISHWAKARMA COLLEGE OF ARTS,COMMERCE & SCIENCE		
Pattern Name	10219 - B.B.A.(Computer Application) 2019 Credit Pattern	Batch No	202210049151
Subject Name	107-CA(A) - PPA (ADD-ON)	Exam Type	INTERNAL OUT OF 50
Teacher Name	Barse Vaishali Ashok (Mob. No.: 8087832643) - Internal Examiner		

Total Students	Present Students	Absent Students	Not Applicable	Detained
90	90	0	0	0

Seat No	Marks/Grade	Seat No	Marks/Grade	Seat No	Marks/Grade	Seat No	Marks/Grade
4164	46	4189	47	4214	40	4239	42
4165	46	4190	45	4215	43	4240	46
4166	44	4191	43	4216	46	4241	47
4167	44	4192	44	4217	43	4242	46
4168	43	4193	46	4218	44	4243	46
4169	38	4194	37	4219	46	4244	35
4170	39	4195	48	4220	47	4245	45
4171	38	4196	46	4221	50	4246	47
4172	46	4197	45	4222	49	4247	48
4173	48	4198	42	4223	40	4248	40
4174	44	4199	38	4224	46	4249	41
4175	46	4200	45	4225	45	4250	44
4176	46	4201	39	4226	47	4251	36
4177	42	4202	41	4227	41	4252	44
4178	44	4203	41	4228	42	4253	42
4179	36	4204	43	4229	42		
4180	36	4205	40	4230	39		
4181	43	4206	43	4231	48		
4182	39	4207	42	4232	42		
4183	43	4208	47	4233	43		
4184	36	4209	47	4234	38		
4185	36	4210	47	4235	45		
4186	41	4211	50	4236	36		
4187	39	4212	50	4237	44		
4188	36	4213	43	4238	48		

BRACT'S
Vishwakarma College of Arts Commerce & Science
Kondhwa (BK),Pune 411048
FYMSc(CA) Sem I (2021-22)
ASSIGNMENT SUBMISSION NOTICE

Date 10th January 2022

All students are hereby inform that the ASSIGNMENT -I submission schedule is as follows:

Sr. No.	Subject	Assignment Questions
1	Web Technology Computer	Q.1 Define HTML? Write the basic tags of HTML. Also write the working of HTML controls with example. Q.2 Explain different types of protocols (HTTP, FTP, SMTP,TELNET). Q.3 Write a program in JavaScript that contains array having 6 elements. a)Find the length of that array b)add 2 elements in it again find the length of array c) remove 1 element from array d) display the first element e) display last element f) display whole array Q.4 Explain internal and external style sheets in detail Q.5 Explain the concept of function in JavaScript with example
2	Advanced Databases	1. Explain Query Processing. 2. Explain measure of query cost. 3. Explain projection. 4. Explain materialization. 5. Transformation Rules for relational expression.
3	Design and Analysis of Algorithm	Q.1 Huffman code is fixed length code. Justify. Q.2 Obtain a set of optimal Huffman codes for the messages (m1,m2,m3,m4,m5,m6,m7) with relative frequencies (f1,f2,f3,f4,f5,f6,f7) = (1,1,2,3,5,8,13). Draw the decode tree for this set of codes. Q.3 Find an optimal binary merge pattern for 10 files whose lengths are 15,2,12,35,28,11,23,5,20,3. Q.4 Apply Floyd Warshall algorithm to find lengths of shortest paths from vertex u to vertex V $\forall$ u,v $\in$ V(G) , where adjacency matrix of G is m[1,1]=0 ,m[1,2]=4,m[1,3]=11 m[2,1]=6 m[2,2]=0 m[2,3]=2 m[3,1]=3 m[3,2]=∞ m[3,3]=0 Q.5 Describe matrix chain multiplication problem. What is the best way to multiply a chain of matrices with dimensions that are 20X5, 5X10, 10X15, !5X3 and 3X7 using dynamic programming method.
4	Object Oriented Programming with C++	1. What is in line function 2. What are oops concept? 3. What is operator overloading? 4. what is virtual function? 5. various file handling commands
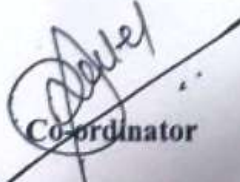
Note :
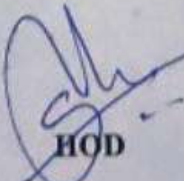
1. All the students should write the assignments in Journals and upload the pdf. The link will be provided on your official group.
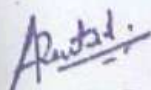
2. Mention Roll No and Name.Rename file as RollNo followed by FirstNameLastName (Ex. 3001AnujPatil)

3. It is considered for **INTERNAL ASSESMENT.**

4. Students should be responsible for non evaluation.

5. Submission date for all subjects- till 15 th January 2022.

Coordinator

HOD

Dr. Arun R. Patil
PRINCIPAL
Vishwakarma College of Arts,
Comm**Principal**cience
Kondhwa(Bk.), Pune-411 048.

1

VCACS

Teacher's Signature

Subject : Design & Analysis of Algorithm

Title : Assignment-1

Name : Radhika Prashant Pathak

Roll No.: 5038   Batch :

Date :
(Performed)

Date : 15/01/2022
(Submission)

1. Huffman code is fixed length code. Justify.
→ Every information in computer is encoded as strings of 0's & 1's.
Huffman coding is a lossless data compression algorithm.
Fixed length & variable length are two types of encoding.
Fixed length - Every character is assigned a binary code using same number of bits.
Thus a string like "aabacdad" can require 64 bits i.e. (8 bytes) for storage or transmission, assuming that each character uses 8 bits.

2. Obtain a set of optimal huffman codes for messages (m1, m2, m3, m4, m5, m6, m7) with relative frequencies (f1, f2, f3, f4, f5, f6, f7) = (1, 1, 2, 3, 5, 8, 13). Draw the decode tree for this set of code.
→ Build a min heap that contains represents root of a tree with sigle node.
Here IN represents a Internal Node.   →

2

Step 1: Extract 2 minimum frequency node
         from min heap. (1+1)

Message	frequency
m1	1
m2	1
m3	2
m4	3
m5	5
m6	8
m7	13
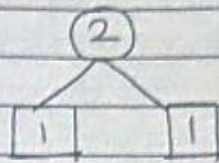
Step 2 : (2+2)

Message	frequency
Internal node	2
m3	2
m4	3
m5	5
m6	8
m7	13
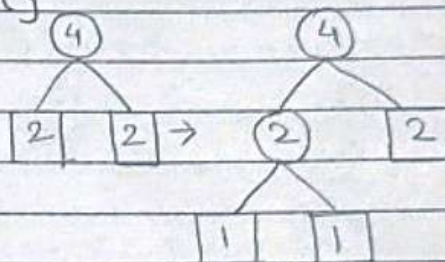
Step 3: (3+4)

Message	frequency
m4	3
I.N	4
m5	5
m6	8
m7	13
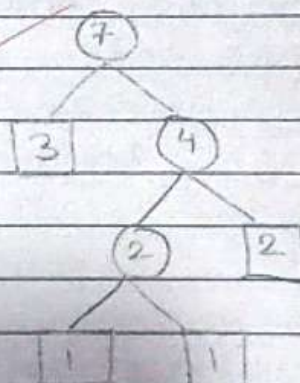
Step 4: (5+7)

Message	frequency
m5	5
I.N	7
m6	8
m7	13
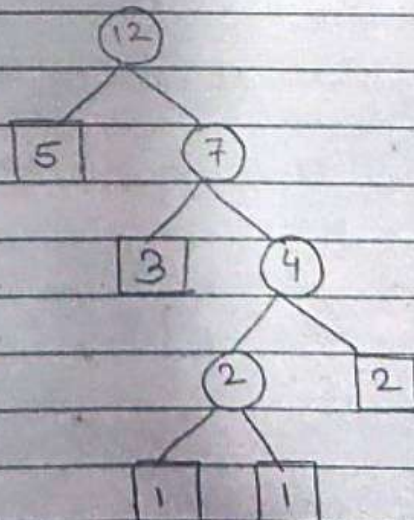
Step 5 : (8 + 12)

Message	frequency
m6	8
I.N	12
m7	13
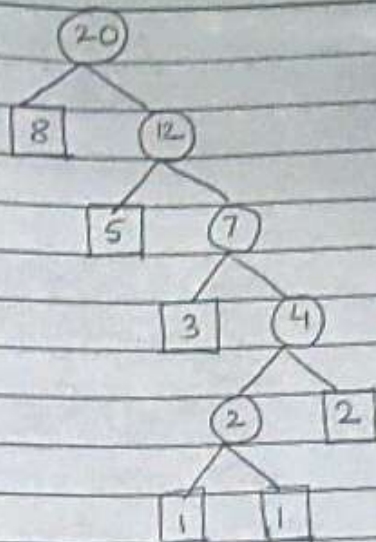
Step 6.

Message	frequency
m7	13
I.N	20
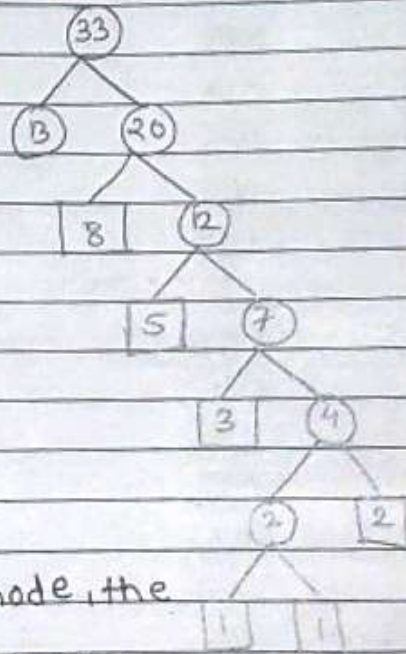
∴ Now min heap contains only one node.

i.e.

Message	frequency
I.N	33.

∴ Since heap contains only 1node, the algorithm stops here.

∴ Decode Tree is —
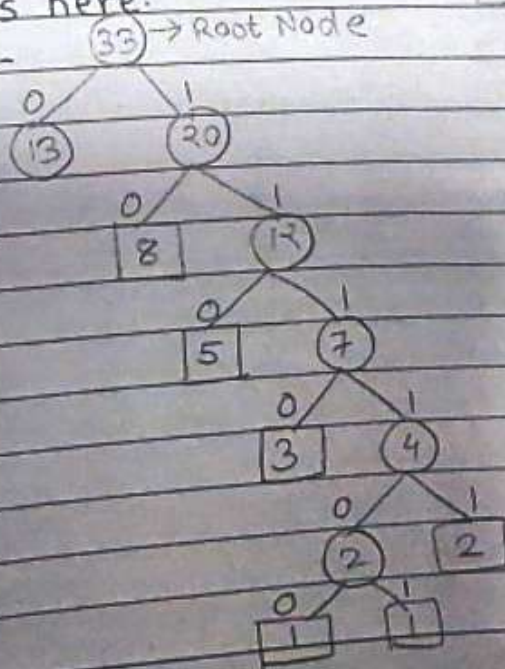
Encode -

Message	frequency	Huffman code	
m1	1	111100	→ 6
m2	1	111101	→ 6
m3	2	11111	→ 5
m4	3	1110	→ 4
m5	5	110	→ 3
m6	8	10	→ 2
m7	13	0	→ 1
			27

∴ Total = no.of frequency * no.of bits.

bits $= (1 \times 6) + (1 \times 6) + (2 \times 5)(3 \times 4) + (5 \times 3) + (8 \times 2)$
$\quad + (13) \times 1)$
$\quad = 6 + 6 + 10 \times 12 + 15 + 16 \times 13$
$\quad = 78$.

∴ No.of bits - (no.of characters $\times$ 8 bits) + no.of
Required   bits for each character + total bits.
$\quad = (7 \times 8) + 27 + 78$
$\quad = 56 + 27 + 78$
$\quad = 161$ bits are Required.

3. Find an optimal binary merge pattern for
10 files whose length are
15, 2, 12, 35, 28, 11, 23, 5, 20, 3.

→ Arrange the lengths in an increament order

2	3	5	11	12	15	20	23	28	35
f1	f2	f3	f4	f5	f6	f7	f8	f9	f10

Now merge the length of two files with
minimum length.

Step 1 : 2 3 5 11 12 15 20 23 28 35
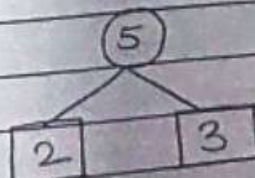
Step 2: Remaining lengths are -
5 5 11 12 15 20 23 28 35

```
   (10)              →from        (10)
   /  \               step1       /  \
 (5)  [5]                       (5)  [5]
                                 /  \
                               [2]  [3]
```
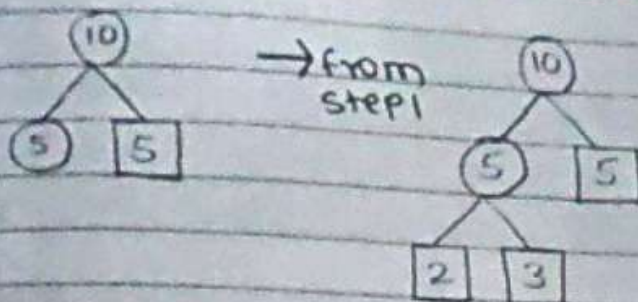
Step 3: Remaining lengths are -
10 11 12 15 20 23 28 35

```
        (21)
        /  \
     (10)  [11]
     /  \
   (5)  [5]
   /  \
 [2]  [3]
```
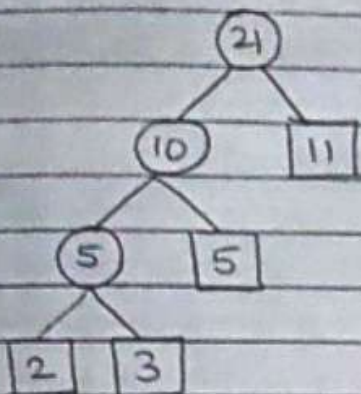
Step 4: Remaining lengths are -
12 15 20 21 23 28 35

```
     (27)
     /  \
   [12] [15]
```
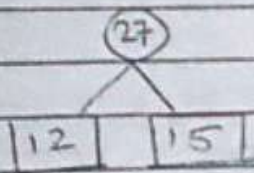
Step 5: Remaining lengths are
20 21 23 27 28 35

```
     (41)              →         (41)        → from step 3
     /  \                        /  \
  [20]  (21)                  [20]  (21)
                                    /  \
                                 (10)  [11]
                                 /  \
                               (5)  [5]
                               /  \
                             [2]  [3]
```

6
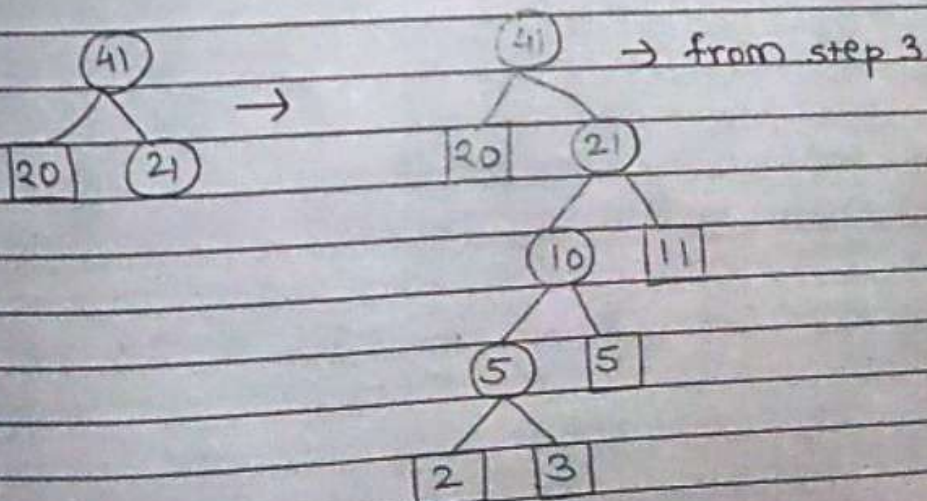
step 6 : Remaining lengths are -
23   27   28   35   41

 → from step 4 →
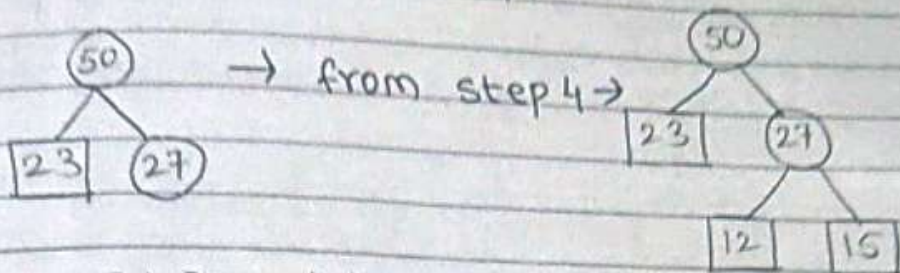
step 7 : Remaining lengths are -
28   35   41   50
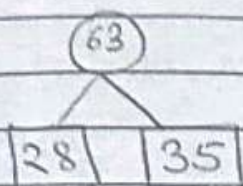
step 8 : Remaining lengths are -
41   50   63

 → from step 5 →
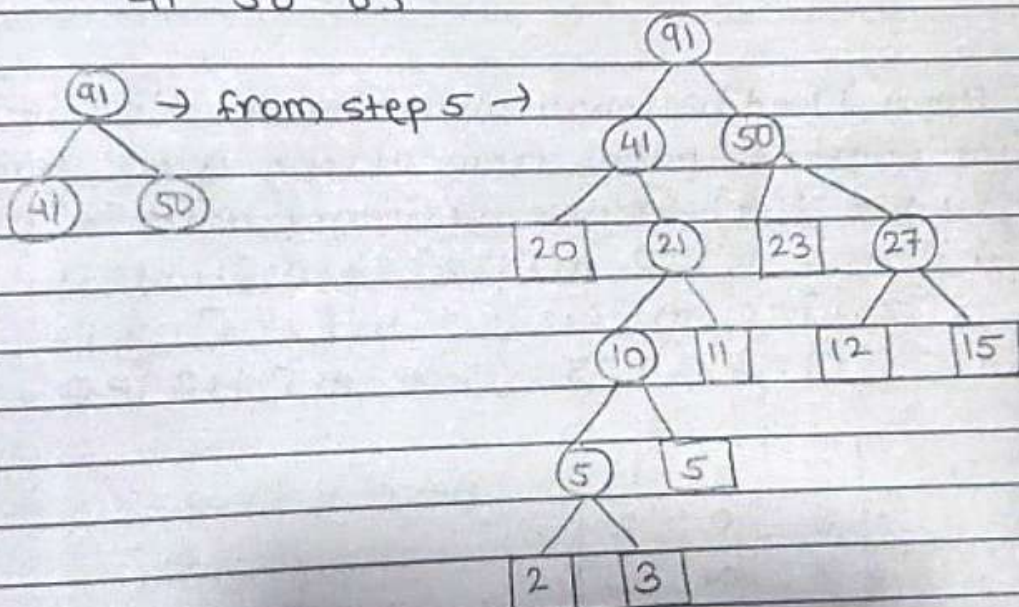
Step 9 : Remaining lengths are -
63   91

→
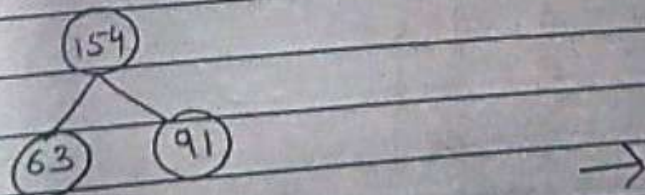
∴ Finally merge pattern is →
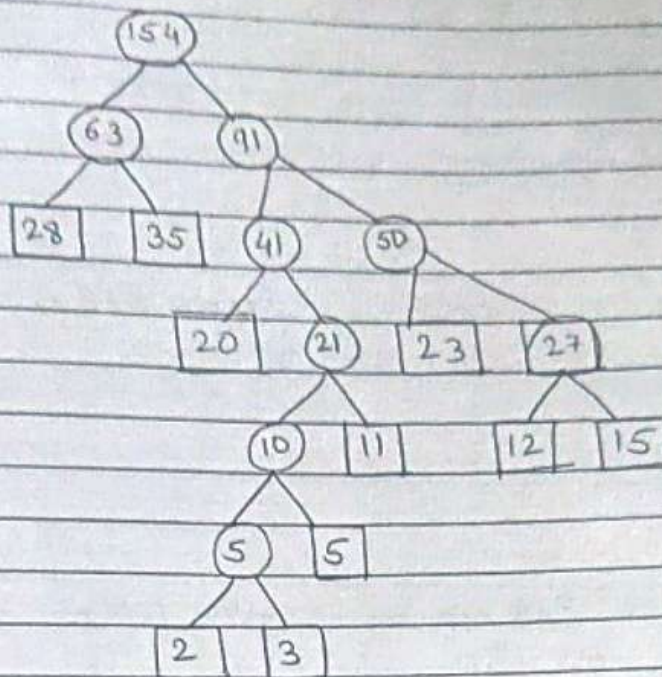
4. Apply Floyd warshall algorithm to find lengths of shortest paths from vertex u to vertex v ∀u,v ∈ V(G), where adjacency matrix of G is m[1,1]=0, m[1,2]=4, m[1,3]=11, m[2,1]=6, m[2,2]=0 m[2,3]=2, m[3,1]=3, m[3,2]=∞, m[3,3]=0.

$$G = \begin{vmatrix} 0 & 4 & 11 \\ 6 & 0 & 2 \\ 3 & \infty & 0 \end{vmatrix}$$

Here k = 1, 2, 3.

Formula →
$$D[i,j] = \min\{D^{k-1}[i][j], D^{k-1}[i,k] + D^{k-1}[k,j]\}$$

$$D^0 = \begin{vmatrix} 0 & 4 & 11 \\ 6 & 0 & 2 \\ 3 & \infty & 0 \end{vmatrix}$$

Here k^{th} column & k^{th} row of $D^{(k)}$ is same

$$D^1 = \begin{array}{c|ccc} & 1 & 2 & 3 \\ \hline 1 & 0 & 4 & 11 \\ 2 & 6 & 0 & ? \\ 3 & 3 & ? & 0 \end{array}$$

8

$D'[2,3] = \min\{D^0[2,3], D^0[2,1] + D^0[3,3]\}$

K = 1
i = 2
j = 3

$= \min(2, 6+11)$

$= \min(2,17)$

$= 2$

∴ $D'[2,3] = 2$

$D'[3,2] = \min\{D^0[3,2], D^0[3,2] + D^0[2,2]\}$
   i   j

K = 2

$= \min(\infty, 3+4)$

$= 7$

∴ D'

$\begin{bmatrix} 0 & 4 & 11 \\ 6 & 0 & \underline{2} \\ 3 & \underline{7} & 0 \end{bmatrix}$

Step 2 –

D^2

	1	2	3
1	0	4	?
2	6	0	2
3	?	7	0

∴ $D^2[1,3] = \min\{D'[1,3], D'[1,2] + D'[2,3]\}$

K = 2

$= \min(11, 4+2)$

$= 6$

$D^2[3,1] = \min\{D'[3,1], D'[3,2] + D'[2,1]\}$

K = 2

$= \min(3, 7+6)$

$= 3$

∴ $D^2 = \begin{bmatrix} 0 & 4 & \underline{6} \\ 6 & 0 & 2 \\ \underline{3} & 7 & 0 \end{bmatrix}$

vcacVishwakarma College of Arts,Commerce and Science, Pune.

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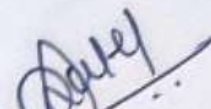NAAC Accredited with 'B+' Grade

Date : 4/6/2022

Notice

This to inform to all students of FYMSc(CA) that they have to submit Seminar Report for all subjects. Topics are given below. Select the one topic for each subject.
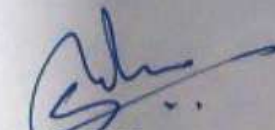
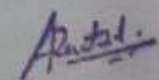Submit all reports on or before Wednesday, 8/6/2022.

Sr. No	Subject	Topic
1	Data Mining and ware Housing	Data analytics
		Mining techniques
2	Operating System	Linux Operating System
		Shell
3	Computer Networks	Cryptography
		Bit coin
4	Java Programming	Spring Framework
		Hibernate

Note:

- Maximum 500 words.
- Upload pdf files only.
- Report name should be student name_FYMSc(CA).pdf
  e.g. shrastishiv_FYMSc(CA).pdf

Coordinator

HOD
(Science)

Principal R. Patil
PRINCIPAL
Vishwakarma College of Arts,
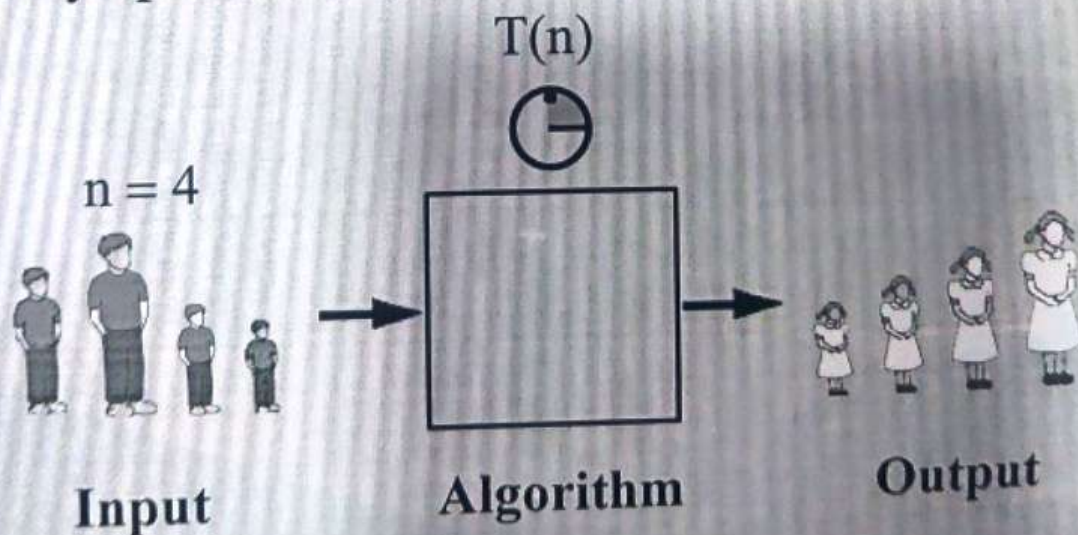Commerce & Science
Kondhwa(Bk.), Pune-411 048.

DAA SEMINAR REPORT

- Name:-Rutuja Hanumant Khopade.
- Class:-FYMSc(CA).
- Roll No:-5023.
- Subject:-Data Analysis and Algorithm.
- Topic:-Analysis of Algorithm.

ANALYSIS OF ALGORITHMS

- Quick Mathematical Review

- Running Time

- Pseudo-Code

- Analysis of Algorithms

- Asymptotic Notation

- Asymptotic Analysis

$T(n)$

$n = 4$

Input   Algorithm   Output

AVERAGE CASE VS. WORST CASE RUNNING TIME OF AN ALGORITHM

- An algorithm may run faster on certain data sets than on others,

- Finding the average case can be very difficult, so typically algorithms are measured by the worst-case time complexity.

- Also, in certain application domains (e.g., air traffic control, surgery) knowing the worst-case time complexity is of crucial importance.
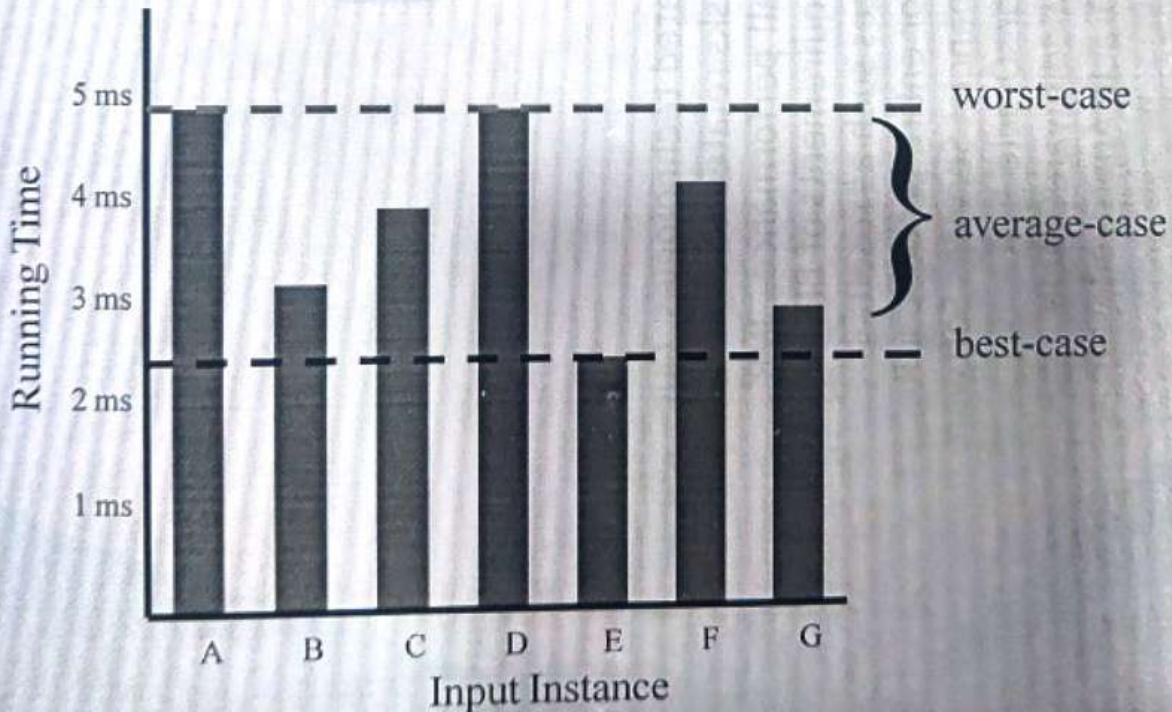
MEASURING THE RUNNING TIME

- How should we measure the running time of an algorithm?

- Experimental Study
  - Write a program that implements the algorithm
  - Run the program with data sets of varying size and composition.
  - Use a method like System.currentTimeMillis() to get an accurate measure of the actual running time.
  - The resulting data set should look something like:
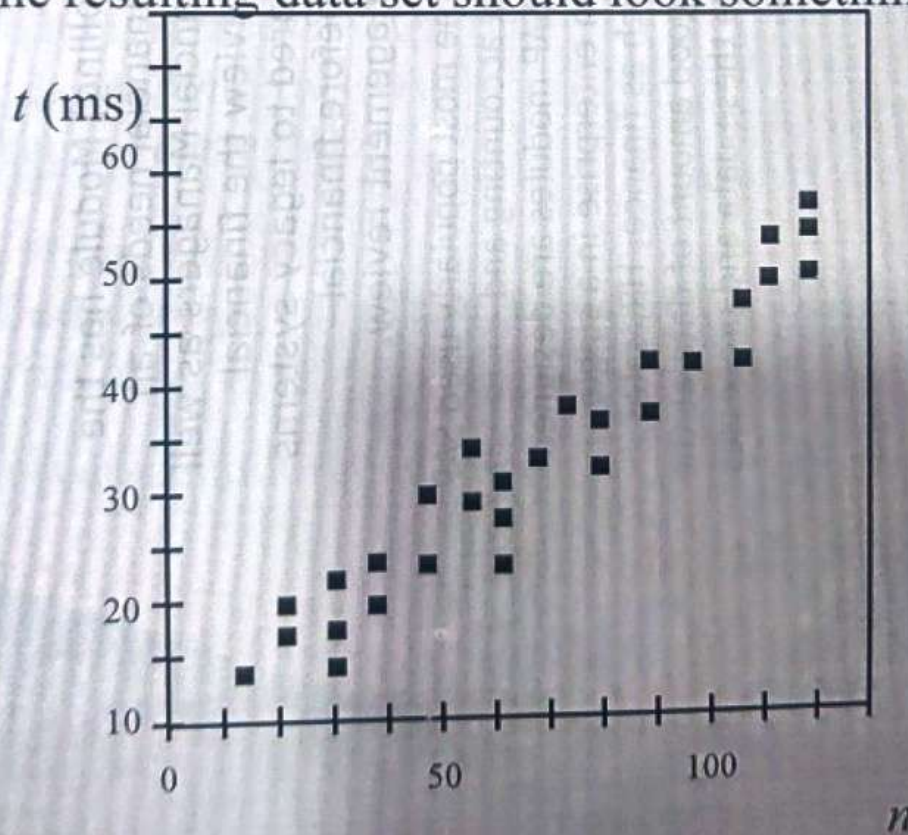
PSEUDO-CODE

- Pseudo-code is a description of an algorithm that is more structured than usual prose but less formal than a programming language.

- Example: finding the maximum element of an array.

  Algorithm arrayMax(A, n):
     Input: An array A storing n integers.
     Output: The maximum element in A.
    currentMax ← A[0]
    for i ← 1 **to** $n-1$ **do**
      if *currentMax* < A[i] **then**
        currentMax ← A[i]
    return *currentMax*

- Pseudo-code is our preferred notation for describing algorithms.

- However, pseudo-code hides program design issues.

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Bansilal Ramnath Agarwal Charitable Trust's

Vishwakarma College of Arts, Commerce and Science, Pune.

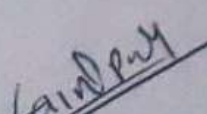### (Affiliated to Savitribai Phule Pune University)

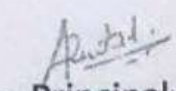NAAC Accredited with 'B+' Grade

Department of Computer Science

Class Test (Time-Table May-2022)

FY BSc (Computer Science) Sem II

Sr No	Date	Time	Subject	Hall No	Roll No	Super visor
1	23/05/2022 Monday	10:30am to 11:30am	CS -121 Advanced C Programming	301	6001-6042	KW
2				302	6043-6085	NS
3				303	6086-6127	RP
4	23/05/2022 Monday	12:00noon to 1:00pm	CS-122 Relatinal Database and Management System	301	6001-6042	RP
5				302	6043-6085	PP
6				303	6086-6127	NS
7	24/05/2022 Tuesday	10:30am to 11:30am	ELC-121 Instrumention System	301	6001-6042	NS
8				302	6043-6085	KW
9				303	6086-6127	RP
10	24/05/2022 Tuesday	12:00noon to 1:00pm	ELC-122 Basics of Computer Organization	301	6001-6042	KW
11				302	6043-6085	RP
12				303	6086-6127	NS
13	25/05/2022 Wednesday	10:30am to 11:30am	CSST 121 Methods of Applied Statistics	301	6001-6042	SK
14				302	6043-6085	YH
15				303	6086-6127	Shiv
16	25/05/2022 Wednesday	12:00noon to 1:00pm	CSST 122 Continuous Probability Distributions & Testing of Hypothesis	301	6001-6042	YH
17				302	6043-6085	SK
18				303	6086-6127	KW
19	26/05/2022 Thrusday	10:30am to 11:30am	MTC-121 Linear Algebra	301	6001-6042	PC
20				302	6043-6085	PL
21				303	6086-6127	PP
22	26/05/2022 Thrusday	12:00noon to 1:00pm	MTC-122 Graph Theory	301	6001-6042	PL
23				302	6043-6085	PC
24				303	6086-6127	NS

Coordinator

HOD

Dr. Principal
PRINCIPAL
Vishwakarma College of Arts,
Commerce & Science
Kondhwa(Bk.), Pune-411 048.

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Vishwakarma College of Arts, Commerce & Science

FYBSc (CS) - 2021-22   Sem - II

Theory - Classtest Marksheet   Out of 15

Roll.No.	Exam Seat No.	Student Name	CS-I	CS-II	E-I	E-II	S-I	S-II	M-I	M-II
6127	5052	GHOMAN PRANAV NITIN	14	14	12	14	12	12	12	13
6021	5053	HANDE OM SANJAY	12	12	12	12	12	12	12	12
6025	5054	JADHVAR ASHISH ANAND	12	12	12	13	12	12	12	12
6026	5055	JAGTAP ADITI VISHAL	12	13	12	12	12	12	12	15
6027	5056	JAISWAR JYOTI SHYAMBAHADUR	13	13	12	15	12	13	12	15
6049	5057	NAGILLA SWARAN PRABHAKAR	12	12	12	12	12	12	12	12
6059	5058	PORWAL AVI BHOMRAJ	12	12	12	12	12	12	12	12
6065	5059	RAWLELLU AYUSH JAGDISH	12	12	12	12	12	12	12	12
6075	5060	SHAIKH FARDEEN IMTIYAZ	12	12	12	12	12	12	12	12
6106	5061	SHAIKH SABIRA SADIQ KOUSAR	12	12	12	12	12	12	12	12
6077	5062	SHARAYU NAIK	14	12	12	12	12	12	12	12
6078	5063	SHARMA MADHU BRIJESH	14	14	14	14	12	14	14	15
6080	5064	SHINDE PREM VIJAY	12	14	14	12	12	12	12	15
6081	5065	SIDDHIKI AMIR JAHIRULAHAK	12	12	12	12	12	12	12	13
6094	5066	VELAPURE MANASI ANAND	14	12	14	14	12	12	12	14
6117	5067	ABDULMATIN MAHAPULE SIRAJ	14	14	12	12	12	12	12	15
6038	5068	KUMBHARKAR ABHISHEK SUDHA	12	12	12	12	12	12	12	12
6114	5069	ADHAV KAUSHAL KIRAN ·	12	14	12	12	12	12	12	14
6046	5070	ADVAIT VIJAY MORE	12	13	14	13	12	12	12	14
6096	5071	ANKITA RAJESH YERANDE	14	14	14	15	12	12	13	15
6001	5072	ANSARI FAEKA IMTIYAZ	14	12	12	14	12	14	14	14
6002	5073	ANSARI SANOBAR GUDDU	15	15	15	15	15	15	15	15
6006	5074	BHOSALE ATHARVA RAJENDRA	12	14	12	12	12	12	12	14
6003	5075	BAVDHANKAR GAURAV PRAKASH	12	14	12	14	12	12	12	14
6004	5076	BHAME ANURAG ROHIDAS	12	12	12	12	12	12	12	12
6116	5077	BHANDARI VANSH SUMEET	14	12	12	12	12	12	12	12
6005	5078	BHASME YASHRAJ JAGJEET	12	12	14	14	12	12	12	14
6007	5079	BHOSALE GIRISH SHAHSIKANT	12	14	12	12	12	12	12	12
6008	5080	CHAUDHARI VAISHNAVI PRAKASH	15	12	14	14	13	14	13	15
6009	5081	CHAVAN ABHAY SHIVAJI	12	12	12	12	12	12	12	13
6010	5082	CHOUBEY ABINISH SHYAM NARAY	12	12	12	12	12	12	12	12
6011	5083	CHOUDHARY DINESH JETARAM	13	12	12	12	12	12	12	12
6012	5084	CHOUDHARY ROUNAK VIMAL PRA	13	12	12	12	12	12	12	12
6103	5085	DEEKSHANT VISHAL MORE	12	12	12	12	12	12	12	12
6014	5086	DESHMUKH DIVYA MILIND	13	12	13	12	12	12	15	15
6015	5087	DESHMUKH SIDDHESH YOGESH	12	12	13	12	12	12	13	13
6013	5088	DAIS SHERWIN STANLEY	13	12	14	12	12	12	15	14
6063	5089	DISHA NANDKISHOR RAUT	13	12	15	13	12	12	13	15
6029	5090	KADAM DNYANESHWAR LAXMAN	12	13	12	12	12	12	12	12
6016	5091	DURGUNDE PRASHANT GOVIND	15	12	15	14	13	14	13	15
6017	5092	DURKAR TUSHAR JALINDAR	14	13	13	12	12	12	12	13
6018	5093	FATEPURWALA MURTAZA MUSTA	13	13	12	13	12	12	12	13
6019	5094	GADE PRASAD SANJAY	13	12	12	12	12	12	12	12
6020	5095	GAWLI DHANANJAY SAGAR	13	12	14	14	12	12	12	13
6022	5096	HUBLIKAR ADITYA MOHAN	15	15	15	15	15	15	15	15
6119	5097	HUSAIN MURTAZA NALWALA	12	12	12	12	12	13	12	13
6023	5098	INAMDAR SANIYA SHABBIR	13	12	12	13	12	12	12	13
6024	5099	JADHAV ONKAR RAMESH	13	12	12	13	12	12	12	14
6101	5100	JANGID BIJESH DURGAPRASAD	12	12	12	12	12	12	12	12
6028	5101	JOSHI OM AMOD	14	15	14	14	13	15	15	15
6099	5102	KAKADE OMKAR KESHAV	13	13	12	12	12	12	12	12
6030	5103	KAMTHE ATHARV SANJAY	13	13	12	12	12	12	13	15

2

6122	5104	KAMTHE SAMRUDDHI AJIT	12	13	15	14	15	15	14	15
6031	5105	KARAJAGI MOHAMMAD KAIF SAM	12	12	12	12	12	12	12	13
6039	5106	KAUSHAL HARIBA LOHAR	14	14	14	13	12	12	12	12
6032	5107	KAZI ASAD ALI	14	12	14	14	12	12	12	12
6033	5108	KHAIRE GAURI DEEPAK	12	12	12	12	12	12	13	14
6034	5109	KHAN MASIRA FAYYAZ	13	13	14	12	12	12	12	13
6036	5110	KHODE POOJA VENKAT	13	12	15	14	12	12	12	12
6068	5111	KIRAN DNYANESHWAR SALUNKE	12	12	14	12	12	12	12	12
6115	5112	KOLEKAR MADHURI DATTA	13	13	13	14	12	12	12	14
6123	5113	KONDALKAR RUTIKA JAGDISH	14	13	15	14	12	12	12	12
6037	5114	KOSHATWAR SURABHI GAJANAN	14	13	15	15	12	13	12	13
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6098	5116	KP AKASH RAJAN	12	12	14	12	12	12	12	12
6040	5117	LOHAR SHREE SHAILESH	12	12	12	12	12	12	12	12
6041	5118	LONDHE MIHIKA SUNIL	13	13	14	14	12	12	12	13
6042	5119	MADKI MOHD MUSHARAF MOHD A	13	13	12	12	12	12	13	12
6043	5120	MALWADE AAKANKSHA DATTATR	13	13	12	15	12	12	12	14
6044	5121	MANNUR UZAIR SHAKIL	12	13	15	14	12	12	13	14
6108	5122	MATKAR VISHAL KUSHINATH	12	12	12	12	12	12	12	12
6035	5123	MD AFROZ HAIDERALI KHAN	13	12	13	12	12	12	14	12
6045	5124	MOHAK V MALSHET	13	14	12	14	12	12	12	14
6124	5125	MOHAMMED TAHER ALI	14	14	14	15	14	15	14	15
6047	5126	MUJUMALE SARVESH KAILAS	13	12	14	14	12	12	12	12
6121	5127	MULANI SAHIL SHAMSHODDIN	13	13	14	14	12	12	12	14
6048	5128	MULE RAMESHWARI GANESH	15	13	15	14	12	12	14	15
6050	5129	NAIK AWANI GANESH	14	14	14	15	12	13	15	15
6051	5130	NAIK SHREYASH SHAHAJI	13	12	13	13	12	12	12	12
6052	5131	NAIR MEGHA JAYAKUMAR	13	13	14	12	12	14	12	15
6053	5132	NIDAGUNDI NIHAL SHAKEEL	12	14	14	12	12	14	12	14
6126	5133	PALVE SHREYA SANDIP	14	14	12	12	12	12	12	14
6054	5134	PANDHARE SEJAL SATISH	14	14	14	15	14	15	15	15
6105	5135	PASHA WASIM N	12	12	12	12	12	12	12	12
6109	5136	PATIL RUPALI CHANDRAKANT	12	12	12	14	12	12	12	14
6055	5137	PATIL RUSHIKEH VASANTRAO	14	15	15	15	15	15	15	15
6056	5138	PATIL SUJIT MAHADEV	12	12	12	12	12	12	12	12
6120	5139	PATIL SUMIT DEEPAK	13	13	12	12	12	13	12	12
6111	5140	PATIL VIPRAJ MUGUTRAO	12	13	12	13	12	12	12	12
6060	5141	PT ANASWER AJITHAN	13	13	14	14	12	12	14	14
6061	5142	RATHOD JEETENDRA BHAWARLAI	12	12	14	13	12	12	12	14
6062	5143	RATHOD PRATIK MADHUKAR	12	12	12	14	12	12	12	13
6064	5144	RAUT SHRUTI SACHIN	13	12	12	13	12	12	12	15
6066	5145	RENUSE GANESH BHIMSEN	14	12	12	12	12	12	12	12
6067	5146	ROY SHIVAM DHARMENDRA	12	12	12	12	12	12	12	12
6069	5147	SALUNKE RAJ CHANDRASHEKHAR	12	12	12	12	12	12	12	13
6113	5148	SANAS SARTHAK GULAB	12	12	12	13	12	12	12	12
6070	5149	SANJANA YADAV	12	12	12	12	12	12	12	12
6072	5150	SAYYED MOHD MUKHTAR RAZA	12	12	13	13	12	12	12	14
6073	5151	SHAH ANIKET SAGAR	12	12	12	13	12	12	12	15
6125	5152	SHAH NATASHA SAMEER	13	12	13	12	14	12	12	14
6100	5153	SHAHVEZ PARVEZ MEMON	12	13	12	12	12	12	12	12
6074	5154	SHAIKH AMAN SAYYED ALI	12	12	13	13	12	12	12	14
6076	5155	SHAIKH RIZWAN RIYAZ	12	12	12	12	12	12	12	13
6093	5156	SHANTANU MANDAR VEDAK	15	15	15	15	12	12	12	15
6079	5157	SHETE HARSHADA UMAJI	12	12	12	12	12	12	12	14
6107	5158	SMIT MANOJ GUJAR	12	12	12	12	12	12	12	12
6082	5159	SUKALE VISHAL CHANDU	12	12	12	12	12	12	12	14
6083	5160	SURVE UTKARSHA SUNIL	15	14	15	14	14	13	13	15
6084	5161	SUTAR KUSUM KUMARI SURESH K	12	14	14	15	14	12	14	15

3

6085	5162	SWAMY SHRUTI RAJU	12	15	14	15	14	14	14	15
6086	5163	TELKAR ISHA KRISHNA	15	15	15	15	12	14	13	15
6087	5164	TETGURE TISHA ASHOK	12	12	13	15	12	12	12	15
6088	5165	THAKUR NEHA VIJAY	14	15	14	15	12	14	12	15
6089	5166	THORAT OM JITENDRA	12	12	13	12	12	12	12	12
6090	5167	THORAT PIYUSH SANJU	15	15	15	15	12	12	12	15
6091	5168	TINGARE OMKAR PRASHANT	12	12	12	12	12	12	12	12
6092	5169	VADJE PRAJAKTA BHAU	15	13	13	14	12	12	12	15
6057	5170	VAIBHAV SANJAY PHALKE	14	12	12	12	12	12	12	15
6112	5171	VIDHATE ARYAN SANTOSH	12	12	12	12	12	12	12	12
6110	5172	WAIKAR PIYUSH HANUMANT	13	13	12	12	12	12	12	12
6102	5173	YADAV AAKASH ARVIND	12	12	12	12	12	12	12	12
6095	5174	YASH RAJBAHADUR VERMA	14	14	14	15	12	12	12	14
6071	5175	ZAMAAN SAYED	12	12	12	12	12	12	12	12
6097	5176	ZARI NOUSHIN ABDUL VAHID	12	12	12	12	12	12	12	14
100	5177	DAREKAR SATYAM SATISH	12	12	12	12	12	12	12	12
6104	22039	TAMBOLI ANAS JAVED	12	12	12	14	12	12	12	14
		Total Student	127	127	127	127	127	127	127	127
		Present	127	127	127	127	127	127	127	127
		Absent	0	0	0	0	0	0	0	0
		Pass	127	127	127	127	127	127	127	127
		Fail	0	0	0	0	0	0	0	0
		Passing Percentage (%)	100%	100%	100%	100%	100%	100%	100%	100%

Class Teacher   Co-ordinator   HOD   Principal

Dr. Arun R. Patil
PRINCIPAL
Vishwakarma College of Arts,
Commerce & Science
Kondhwa(Bk.), Pune-411 048.

Name: Ayush A. Mehta
Class: TYBSc(CS) Div: B
Rollno: 6481

| Q.1 | Explain different methods used to maintain state in PPP |

① Hidden Fields

one session tracking technique is to use hiddening form fields to pass data from one page to another PHP treats form fields like normal farm fields, So valves are available in GET or ~~POST~~ POST arrays.

eg. `< form action = " myform.php" method = " post >`
`<select name=" selected - product - id" >`
`<option value = "121"> product 121 </option)`
`<option value = "122") product 122 </ option)`
`< /select)`
`< $ input type = " submit value = " select product")`
`</form>`

we could return a page to him using following code.
`< input type = " hidden" name = " chosen product - id`
`value = "< & php echo $ POST [ selected product`
`id ]; & >" >`

② URL Rewriting. In this technique you can add some extra information in URL For eg. you can assign a unique lo to a user as given below so that this ID can be passed to that page.
`http //www. nirali.com / cat a log. php ? userid=123`

This method is insecure because everyone can
See the values & also can change values in this
URL
③ cookies: It is a bit of information that serves
can give to client on every subsequent request
client will give information back to the server.

Q.2   what is sticky form? Explain with example.
→ ① In sticky forms the values entered by user
remain displayed with form component, if we
display form component. eg. If we search Google
(http://www.google.com) for "PHP cookbook"
top of the results page contains another search box
which already contains "PHP cookbox"

```
<html>
<head><title>Greet user</title></head>
<body>
< form action="<? Php echo $ SERVER['PHP.SE
  ? >" method="GET">
  Enter your Name:
  < input type="text" name="name/value="
  "<?Php echo $-GET['name I'];?>"/>
  <br/>
  <input type="submit" name="ok"/>
</form>
< ? php
  if (isset($GET['name I'])){
    $nm = $-GET['namel'];
    echo "Hello", $nm;
  }
? >  </body> </html>
```

3 Difference between XML & HTML
→ ① HTML tags are predefined, XML tag are of not predefined.
② HTML is used to display data but XML is used to store & transport data.

Q.4 State difference between GET and POST method.
→ ① Both GET and POST method create an array eg. array (key =) value, Key2 = value 2, key 3 = value 3, ② The array holds key/value pairs, where keys are the names of the form controls and values are i/p
② Both GET and POST are treated as $ GET and $ POST, These are superglobals.
③ GET requests are idempotent i.e one GET. request ~~are indempotent ie~~ for a particular URL including form parameters is the same as 2 or more request for that URL POST requests are not idempotent that means they cannot be cached and the server is recontacted every time the page is displayed.
④ Information of GET is visible to everyone in the URL with a limit of 2000 characters. POST method's information is invisible to others and no limit for amount of information to send POST supports advanced functionalities such as support for multi-part binary input with uploading files to server However the pages cannot be bookmarked because variables are not displayed in URL

```
<script>
    var a = 40;
    if (a % 2 == 0)
    {
            document write ("a is even number");
    } else {
                    document.write ('a isodd
                                    number');
    }
    </script>
    O/P => a is: even number
```

③ If else if else statement :
   It is one level advance form of control
statement that allows Java script to make correct
decision out of several condition.
   syntax.
```
    if (condition)
    {
            // execute statement ;
                                    }

        else if (condition)
    { // execute this ;
        }

        else
        {
            // execute this
        }
```

④ Switch statement:
   It is used to execute one of statements from

8

many blocks of statements. It is like enhanced
if. else - if else statement only less confusing
& more easy & simple to use.
syntax →

```
Switch (value / expression)
{
    case:" value 1"
        // execute
        break;
    case " value 2"
        // execute
        break;
    default:
        // execute
```