DEPARTMENT OF MCA

SOFTWARE ENGINEERING (21MC204)
I MCA - II SEM
Term Work

OPEN BOOK

Task: 01 Elicitation

To identify the various elicitation techniques and their usage for the Banking case study.
Background:
Requirement elicitation is the process of seeking, discovering, acquiring and elaborating requirement. This includes learning and understanding the needs of the users. This activity is communication centric and iterative in the nature. The techniques used here are the important to get stack holder consensus on the requirements.

Task: 02 Process Models

In Software Engineering identification of Process Models is an important concept Justify it?
Compare and contrast all process models in software engineering and identify Pros and Cons in each of them and conclude each process model with a suitable statement.

Task: 03 Attributes of a Good Software

This term work will helps how to justify whether software is having all essential attributes or not at the time of developing or executing what are required some examples are given analyze them and justify by selecting a good project.
Maintainability: software should be written in such a way that it may evolve to meet changing the needs of customers.
Dependability: software must be trustworthy
Efficiency: software should not make wasteful use of system resource Usability: software must be usable by the users for which it was designed.

Task: 04 Data Flow Diagrams

Role of Data Flow diagrams in Software Engineering and its importance in the Designing Phase
Create a data flow diagram of an ATM (automatic teller machine) by explaining the steps involved in it from DFD Level-0 to Level-3

Task: 05 Testing

Why does integration testing reveal errors although unit testing has been done well? Why does system testing reveal errors although integration testing has been done well? Why does beta-testing reveal errors although system testing has been done well? Understand the scenario and explain it.

Task: 06 Testing & Process models

What is Unit testing explain with examples
Explain waterfall model with example

Task: 07 Testing & Process models

What is Component testing (Module testing) explain with examples
Explain incremental model with example

Task: 08 Testing & Process models

What is Integration testing explain with examples
Explain iterative model with examples

Task: 09 Testing & Process models

What is System Testing explain with examples
Explain V-Model with example

Task: 10 Testing & Process models

What is Regression testing explain with examples
Explain spiral model with example

Task: 11 Testing & Process models
What is Sanity testing explain with examples
Explain RAD model with example

Task: 12 Testing & Process models

What is Smoke testing explain with examples
Explain Big bang model with examples

Task: 13 Testing

What is Mutation testing explain with examples
What are the testing tools available in the industry, explain any one

Name & Signature of the NECN Faculty	Name & Signature of the NECG Faculty	Name & Signature of the NECN HOD	Name & Signature of the NECG HOD

PRINCIPAL – NECN   **PRINCIPAL – NECG**

DEPARTMENT OF MCA
Term Work allotment

Year/Branch: _____   Name of the Faculty: _____

Date: _____   Sub: ___ooad_____   Academic Year: _____

Section :_____

S No	Roll Number	Task Allotted
1	23711F0001	8, 1, 5
2	23711F0002	1, 6, 3
3	23711F0003	5, 2, 1
4	23711F0004	3 ,4 ,5
5	23711F0005	1 ,4, 5
6	23711F0006	1 3 5
7	23711F0007	4 1 6
8	23711F0008	6 1 3
9	23711F0009	1 3 4
10	23711F0010	6 5 4
11	23711F0011	1 2 6
12	23711F0012	6 4 1
13	23711F0013	1 4 5
14	23711F0014	4 3 2
15	23711F0015	3 6 1
16	23711F0016	2 4 6
17	23711F0017	4 6 3
18	23711F0018	5 1 3
19	23711F0019	4 1 6
20	23711F0020	6 3 1
21	23711F0021	6 3 1
22	23711F0022	4 6 5
23	23711F0023	2 3 6
24	23711F0024	2 5 4
25	23711F0025	5 1 4
26	23711F0026	1 3 5
27	23711F0027	1 4 2
28	23711F0028	1 2 5
29	23711F0029	6 4 1
30	23711F0030	1 2 6
S No	Roll Number	Task Allotted
31	23711F0031	1 5 4

32	23711F0032	1 3 8
33	23711F0033	1 3 4
34	23711F0034	4 2 3
35	23711F0035	6 3 5
36	23711F0036	2 6 1
37	23711F0037	5 6 3
38	23711F0038	1 2 7
39	23711F0039	4 6 1
40	23711F0040	2 3 1
41	23711F0041	5 4 1
42	23711F0042	4 5 6
43	23711F0043	1 5 3
44	23711F0044	2 4 6
45	23711F0045	3 2 1
46	23711F0046	5 1 3
47	23711F0047	5 2 6
48	23711F0048	2 4 3
49	23711F0049	5 4 1
50	23711F0050	4 2 1
51	23711F0051	1,2,6
52	23711F0052	3 2 1
53	23711F0053	6 1 2
54	23711F0054	4 6 5
55	23711F0055	3 2 1
56	23711F0056	2 3 5
57	23711F0057	5 4 3
58	23711F0058	5 1 4
59	23711F0059	3 4 6
60	23711F0060	4 1 2
61	23711F0061	1 2 4
62	23711F0062	1 6 2
63	23711F0063	6 2 4
64	23711F0064	2 1 3
65	23711F0065	1 6 5
66	23711F0066	1 4 5

Sign. of faculty   **Sign. of HoD**

DEPARTMENT OF MCA

Term Work allotment

Year/Branch: _____   Name of the Faculty: _____

Date: _____   Sub: _____   Academic Year: _____

Section :_____

S No	Roll Number	Task Allotted
1	23711F0067	4 2 6
2	23711F0068	6 10 8
3	23711F0069	8 2 10
4	23711F0070	1 10 7
5	23711F0071	6 3 10
6	23711F0072	3 8 4
7	23711F0073	9 5 7
8	23711F0074	9 4 2
9	23711F0075	5 1 2
10	23711F0076	8 6 2
11	23711F0077	4 2 10
12	23711F0078	10 9 7
13	23711F0079	7 2 10
14	23711F0080	3 4 5
15	23711F0081	9 3 1
16	23711F0082	10 6 5
17	23711F0083	5 4 6
18	23711F0084	1 10 3
19	23711F0085	6 1 5
20	23711F0086	5 6 9
21	23711F0087	6 4 8
22	23711F0088	4 3 7
23	23711F0089	4 3 6
24	23711F0090	4 10 5
25	23711F0091	10 7 3
26	23711F0092	7 8 5
27	23711F0092	7 8 5
28	23711F0093	6 2 7
29	23711F0094	9 7 12
30	23711F0095	3 5 2
S No	Roll Number	Task Allotted
31	23711F0096	7 3 12
32	23711F0097	3 5 10
33	23711F0098	8 7 10
34	23711F0099	8 5 9

35	23711F00A0	3 10 9
36	23711F00A1	8 4 7
37	23711F00A2	5 4 9
38	23711F00A3	2 8 5
39	23711F00A4	7 6 4
40	23711F00A5	1 10 9
41	23711F00A6	10 4 9
42	23711F00A7	7 6 9
43	23711F00A8	7 8 3
44	23711F00A9	9 6 10
45	23711F00B0	2 5 10
46	23711F00B1	6 2 5
47	23711F00B2	9 4 3
48	23711F00B3	4 10 7
49	23711F00B4	6 10 7
50	23711F00B5	9 10 2
51	23711F00B6	13 6 8
52	23711F00B7	5 8 3
53	23711F00B8	3 6 2
54	23711F00B9	5 4 12
55	23711F00C0	6 7 10
56	23711F00C1	10,3,4
57	23711F00C2	1,5,9
58	23711F00C3	2,4,8
59	23711F00C4	13,6,10
60	23711F00C5	4,7,9
61	23711F00C6	1,8,4
62	23711F00C7	2,5,7
63	23711F00C8	7,9,10
64	23711F00C9	12,4,1
65	*23711F00D0*	10,6,8
66	*23711F00D1*	10,6,8
67	*23711F00D2*	1,7,13

Sign. of faculty   **Sign. of HoD**