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**From:** Vandana Agarwal . (via Nalanda)  
**Sent:** 04 April 2023 18:53  
**To:** RAMAKANT PANDURANG TALANKAR .  
**Subject:** 11551001318\_CS F363\_JAN\_2023: Stage 1: Marks

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Stage 1: Marks

by [Vandana Agarwal](#) . - Tuesday, 4 April 2023, 6:27 PM

### **Marks Distribution**

#### **Lexer- 20 Marks**

- - *Code logic - 5 Marks*
    - Paper work-1 Mark
    - DFA - 4 Marks
  - *Lexer output - 15 Marks*
    - Comment removal output - 2 Marks
    - Tokens and lexemes output - 8 Marks
    - Lexical errors detection– 5 Marks

#### **Parser-25 Marks**

- - *Code logic - 12 Marks*
    - Paper work-1 Mark
    - First and follow automation-5 Marks
    - Parse table creation - 2 Marks
    - parsing- 2 Marks
    - Parse tree creation-2 Marks
  - *Parser output - 13 Marks*
    - Syntactically correct test case - 2 Marks

- Parse tree printing - 2 Marks
- Syntactically Incorrect test cases (with errors) - 6 Marks
- error recovery - 3 Marks

Some of the student codes did not compile and a few gave segmentation fault, which are awarded 0.

A penalty of 0.5 mark per suggested line change was imposed on 4 changes while counting two lines comment/uncomment change as one. More than two lines (in continuation), required to comment in the team's code was penalized with 1 mark per set. Any changes more than 4 in total were accommodated with 1 mark penalty each additional change.

**Rechecks:** Genuine recheck requests will be accepted during April 5, 2023 (10:00 AM) to April 6, 2023 (7:30 PM). A separate link will be opened on Nalanda tomorrow at 10:00 AM.

**Marks list**

Group No.	Lexer(20 M)						Parser(25 M)										total (45 M) [A]	Correction penalty [B]	Marks	Final (45M) B]	[A-
	Code logic (5)			Lexer output (15)			Code logic (12)						Output (13)								
	DFA papercode (1)	logic (4)	comment removal (2)	Correct tokens (8)	Error reporting (5)	paper (1)	First and Follow (5)	Parse table creation (2)	parsing (2)	parse tree (2)	syntactically correct (2)	tetstcase (2)	parse tree printing (2)	syntactically incorrect (6)	error recovery (3)						
1	1	4	2		8	2		1	5	2	2	2	2	0.5	6		3	40.5	0	40.5	
2	1	4	2		8	4		1	5	2	2	2	2	2	2		1	38	0	38	
3	1	4	2		8	2		0	0	0	0	0	0	0	0		0	17	0	17	
4	1	4	2		8	3		1	5	2	2	2	2	2	6		3	43	0	43	
5	1	2	2		0	0		1	3	1	1	1	0	0	0		0	12	0	12	

6	1	2	2	0.5	0	1	3	1	1	1	0	0	0	0	12.52	10.5
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	1	1.5	0	0	0	1	0	0	0.5	0	0	0	0	0	4	4
9	1	4	2	8	5	1	2	2	2	2	2	2	6	3	42	42
10	1	2	2	0	0	1	0	1	0.5	1	0	0	0	0	8.5	8.5
11	1	2	2	0	0	1	5	2	2	2	2	2	6	3	30	30
12	1	4	2	8	5	1	0	0.5	0	0	0	0	0	0	21.51	20.5
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	1	1.5	2	0	0	1	3.5	1.5	1.5	2	2	2	2.5	1	21.50	21.5
15	1	4	2	8	5	1	4	1.5	1.5	2	2	2	2	0.5	36.50	36.5
16	1	4	2	8	5	1	5	2	2	2	2	2	6	3	45	45
17	1	4	2	8	5	1	4	1.5	1	2	2	2	1.5	1	36	36
18	1	1.5	0	0	0	1	2	1	1	1	0	0	0	0	8.5	8.5
19	1	1.5	0	0	0	1	2	1	1	1	0	0	0	0	8.5	7

20	1	4	2	8	5	1	4	1.5	1	1.5	1	2	6	3	41	6	35
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	1	1.5	2	0	0	1	0	1.5	1	1.5	2	2	0.5	0.5	14.5	0	14.5
23	1	4	2	8	5	1	5	2	2	2	2	2	6	3	45	0	45
24	1	4	2	8	5	1	5	2	2	2	2	2	6	3	45	2	43
25	1	3	1	4	1	0	0	0	0	0	0	0	0	0	10	0	10
26	1	3	0	8	3	1	0	1	1	1	0	0	0	0	19	3	16
27	1	3	2	6	0	1	3	1	1	1	0	0	0	0	19	3.5	15.5
28	1	4	2	6.5	4.5	1	0	2	2	1	2	0	6	0	32	2	30
29	1	4	2	8	5	1	5	2	2	2	2	2	6	3	45	0	45
30	1	4	2	8	5	1	2.5	1	1	1	0	0.5	0	0	27	0	27
31	1	1	0	0	0	1	2	0.5	0.5	0.5	0	0	0	0	6.5	2	4.5
32	1	4	2	8	5	1	0	0.5	0.5	0	0	0	0	0	22	0	22
33	1	2.5	2	8	0	1	3.5	1	1	1	0	0.5	0	0	21.5	0	21.5

34	1	3	2	6	2.5	1	4	1	1	1	2	2	0	0	26.50	26.5
35	1	2	0	0	0	1	2	0.5	0.5	0	0	0	0	0	7 0	7
36	1	4	2	8	4	1	2	0.5	0.5	0.5	0	0	0	0	23.50	23.5
37	1	4	2	8	5	1	4	2	2	2	2	2	4	2	41 4	37
38	1	1	0	0	0	1	0	0	0	0	0	0	0	0	3 0	3
39	1	4	2	8	2	1	1	1	1	1	1	1	1	0	25 3	22
40	1	4	2	8	2	1	5	2	2	2	2	2	4.5	2.5	40 0	40
41	1	4	2	8	3.5	1	5	2	2	2	2	2	6	3	43.50	43.5
42	1	4	2	8	3.5	1	0	1	1	0	0	0	0	0	21.50	21.5
43	1	3	2	2	0	1	4	1	1	0	0	0	0	0	15 0	15
44	1	4	2	7	2	1	3	1	1	0	1	0	0	0	23 0	23
45	1	4	2	7	0.5	1	2.5	2	2	2	2	2	6	3	37 0	37
46	1	4	2	8	4	1	5	2	2	2	1	2	6	3	43 0	43
47	1	4	2	8	5	1	5	1.5	1.5	0	0	0	4	2	35 0	35

48	1	2	2	0	0	1	0	1	1	1	0	0	0	0	9	0	9
49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50	1	3	2	4	2	1	0	0.5	0.5	0.5	0	0	0	0	14.50		14.5
51	1	4	2	8	3	1	5	2	2	2	2	2	6	3	43	0	43
52	1	2	0	0	0	1	0	0.5	0.5	0.5	0	0	0	0	5.5	0	5.5
53	1	4	2	8	0	1	4	2	2	1	2	0	4	2	33	0	33

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