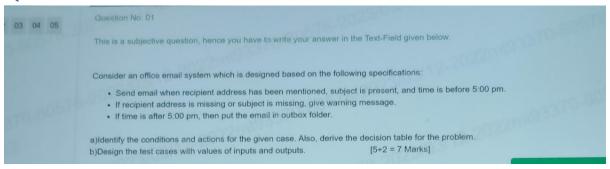
Contents

Q1 :	2
Q2:	3
Q4	5

Q1:



A:

C1: recipient address present

C2 : subject is present C3 : time < 5:00 PM

A1: send email

A2: warning message A3: outbox folder A4: impossible

Conditions	Rule1	Rule2	Rule3	Rule4	Rule5	Rule6	Rule7	Rule8
C1	F	Т	Т	Т	Т	F	F	F
C2	F	Т	F	F	Т	Т	F	Т
C3	F	Т	F	Т	F	Т	Т	F
Actions								
A1		T						
A2			Т	Т		Т	Т	Т
A3			Т		T			Т
A4	Т							

2ⁿ – n is rules 2³(conditions) = 2*2*2= 8 (Rules)

B:

TC 1: Email should be valid email address

TC 2: Mail should sent before 5:00PM

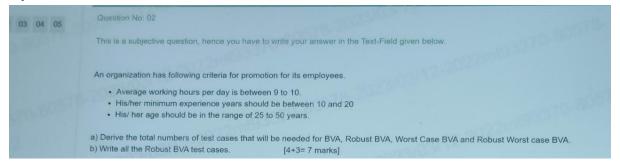
Tc 3: Subject should not be empty

Tc 4: If mail is sent after 5:00 PM, then mail should be stored in outbox

Tc 5:

•••

Q2:



Sol:

a)

$$BVA=4n + 1 = 13$$

Robust
$$BVA = 6n + 1 = 19$$

Worst case BVA=
$$5^n + 1 = 126$$

Robust Worst case $BVA = 7^n = 343$

- n = number of inputs
- Here n is 3 (conditions)

b)

Robust BVA

https://t4tutorials.com/what-is-robust-case-testing-software-testing/#google_vignette

BVA

https://t4tutorials.com/what-is-simple-boundary-value-testing-software-testing/

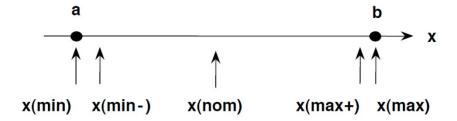
	X (working hours)	Y (experience)	Z (age)
Min-	08:45	9	24
Min	09:00	10	25
Min+	09:15	11	26

Nominal	09:30	15	37
Max-	09:45	19	49
Max	10:00	20	50
Max +	10:15	21	51

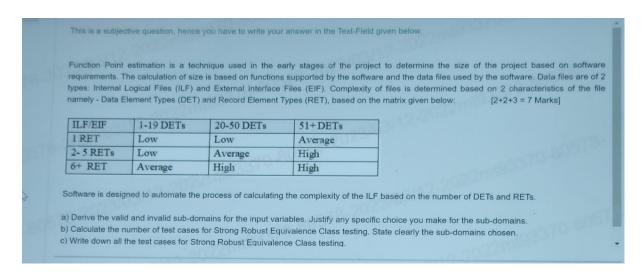
Test case	X (working hours)	Y (experience)	Z (age)	Expected output
1	09:30	15	24	Not promoted
2	09:30	15	25	Promoted
3	09:30	15	26	Promoted
4	09:30	15	37	Promoted
5	09:30	15	49	Promoted
6	09:30	15	50	Promoted
7	09:30	15	51	Not promoted
8	09:30	9	37	Not promoted
9	09:30	10	37	Promoted
10	09:30	11	37	Promoted
11	09:30	19	37	Promoted
12	09:30	20	37	Promoted
13	09:30	21	37	Not promoted
14	08:45	15	37	Not promoted
15	09:00	15	37	Promoted
16	09:15	15	37	Promoted
17	09:45	15	37	Promoted
18	10:00	15	37	Promoted
19	10:15	15	37	Not promoted

Based on below diagram we have to write test case, for eg:

- 1. Minimum
- 2. Just above the minimum
- 3. A nominal value
- 4. Just below the maximum
- 5. Maximum



Q4.



Sol:

a.) Valid subdomains:

Sl.no	Input paramters	Valid subdomains	Invalid Subdomains
1	RET	1=RET	RET<1
		2<=RET<=5	1 <ret<2< td=""></ret<2<>
		6<=RET	5 <ret<6< td=""></ret<6<>
2	DET	1<=DET<=19	DET<1
		20<=DET<=50	19 <det<20< td=""></det<20<>

51<=DET 50<DET<51

b.) Number of test cases for Strong robust :

