



April 2016

Fundamental IT Engineer Examination (Afternoon)

Answers and Marks(in blue)

Q1

Subquestion 1

- 3 A d) vulnerability assessment
2 B c) "admin' -- "
1 C a) "" (no input)
2 D c) "' OR 'A'='A' LIMIT 1 -- "

Subquestion 2

- 4 E d) verify characters entered into a Web form so that none of the illegal ...

Q2

Subquestion 1

- 4 A c) $(I_1 \bullet \neg I_2) + (\neg I_1 \bullet I_3) + (I_2 \bullet \neg I_3)$
4 B b) $\neg(I_1 + I_2 + I_3) + (I_1 \bullet I_2 \bullet I_3)$

Subquestion 2

- 2 C b)

1	0
1	1

2 D c) $(I_r \bullet I_t)$

Q3

Subquestion 1

- 2 A a) :SpDate BETWEEN StartDate AND EndDate
- 2 B c) TripStatus <> 3

Subquestion 2

- 2 C d) NOT IN
- 2 D c) < '2016-05-11'
- 2 E d) > '2016-05-05'
- 2 F c) <> 3

Q4

Subquestion 1

- 1 A b) client-file table
- 1 B f) update tag on the client-file table
- 2 C b) hit ratio of cache
- 2 D c) network traffic
- 2 E b) (3)

Note: Answers for C and D can be exchanged.

Subquestion 2

- 4 d) Workstations frequently close files after every small updates and re-open the file, even though this increases network traffic for large files.

Q5

Subquestion 1

- 2 A a) 192.168.1.0
- 2 B b) 252

Subquestion 2

- 2 C a) 4
- 3 D c) leakage of passphrase
- 3 E d) RADIUS

Q6

Subquestion 1

- 4 A c) (Data & Mask) = Mask
- 4 B a) (Data & Mask) = "00000000"B

Subquestion 2

- 4 C b) Change proposal (2)

Subquestion 3

- 4 D a) 6
- 4 E e) 01100000

Q7

Subquestion

- 3 A d) `pList`
- 4 B d) `number != 0`
- 3 C b) `i < pCount`
- 3 D a) `pList[count] > pList[count+1]`
- 3 E a) `pList[count] = pList[count+1]`
- 4 F c) `(extractedNum * 10) + (tempNum % 10)`

Q8

Subquestion 1

- 3 A d) `this`
- 3 B a) `new String[]`

Subquestion 2

- 2 C a) `Person`
- 2 D d) `Student`
- 2 E b) `PostGradStudent`

Subquestion 3

- 2 F a) The statement causes a compile error; ...
- 3 G c) `"I am Person: PostGradStudent depositAllowance"` ...
- 3 H b) The statement causes a runtime exception; ...