**ANSWERS#02 A:**

CNIC:42101-8106300-7

DATA:

LOC=63007

AP=421018

LBR=60,000$

SOLUTION:

Cost per line = LBR/Average Productivity

=60,000/421018

=0.143$/LOC

Total estimation project cost= cost per line\*estimated line of code

=63007\*0.143

=9010.001$

Estimated line of code = Total estimation project cost/ labor rate

= 9010.001/ 60,000

= 0.150

DATA:

FB=63007

AP= 421018

LBR=60,000$

SOLUTION:

Cost per FB= LBR/Average Productivity

=60,000/421018

=0.143

Total estimation project cost= cost per line\*estimated line of code

=63007\*0.143

=9010.001$

Estimated line of code = Total estimation project cost/ labor rate

= 9010.001/ 60,000

= 0.150

**ANSWERS#02 B:**

CNIC:42101-8106300-7

DATA:

Risk probability = 16% = 16/100 = 0.160

Risk impact = 50% \* 8000/100 = 4000

=8000-4000

= 4000

Avg component = 250 loc

Cost of each line of code = 2201 Saudi riyal

Total cost = 2201 \* 250 \* 4000

Total cost= 2201000,000 Saudi riyal

CNIC= 42010-8106300-7

DATA:

Risk probability = 07% = 07/100 = 0.07

Risk impact = 50% \* 8000/100 = 4000

=8000-4000

= 4000

Avg component = 250 loc

Cost of each line of code = 2101 Saudi riyal

Total cost = 2101 \* 250 \* 4000

Total cost= 2101000000 Saudi riyal

SOLUTION

Risk exposure = p\*c

Risk exposure = 0.07 \*2101000000 Saudi riyal

Risk exposure = 147070000 Saudi riyal