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Number & Ranking Test Questions for LIC AAO, SBI PO Pre, IBPS PO Pre, IBPS SO Pre, IBPS Clerk Mains and SBI Clerk Mains Exams.

No. n Ranking Test Quiz 5

Directions: In each of the following questions two rows of numbers are given, the resultant number in each row is to be worked out separately based on the following rules and the question below the rows of numbers is to be answered, the operation of numbers progresses from left to right.

Conditions:
(I) If an even number is followed by an odd number, then 25 is added to the difference of both numbers.
(II) If an odd number is followed by an even number, then 20 is subtracted from the sum of both numbers.
(III) If an even number is followed by an even number or an odd number is followed by an odd number, then 25 is subtracted from the product of both numbers.

1. **Find the value of (x – y).**

x = 88 27 12
y = 43 24 28

A. 875   B. 1067   C. 952   D. 997   E. 1088

2. **Find the value of b.**

a = 17 24 50
b = 82 a 20

A. 1175   B. 980   C. 1035   D. 1095   E. 1120

3. **Find the value of $(p + q)^{1/2}$.**
p = 36 13 29
q = 73 22 19

A. 40   B. 38   C. 24   D. 34   E. 42

4. **Find the value of (m + n)/2.**
m = 96 43 20
n = 57 36 44

A. 714   B. 816   C. 936   D. 526   E. 1246

5. **Find the value of (d/4 - c)/3.**
A. 78   B. 46   C. 67   D. 89   E. 36

Correct Answers:

1	2	3	4	5
C	D	B	B	C

Explanations:

1.   We have,

x = 88 27 12
y = 43 24 28

Now, x = 27 88 12

Reference:
(I) If an even number is followed by an odd number, then 25 is added to the difference of both numbers.

⇒ x = [(88 − 27) + 25] 12

⇒ x = 86 12

(III) If an even number is followed by an even number, then 25 is subtracted from the product of both numbers.

⇒ x = [(86 × 12) − 25]

∴ **x = 1007**

And, y = 43 24 28

Reference:
(II) If an odd number is followed by an even number, then 20 is subtracted from the sum of both numbers.

⇒ y = [(43 + 24) − 20] 28

⇒ y = 47 28

(II) If an odd number is followed by an even number, then 20 is subtracted from the sum of both numbers.

⇒ y = [(47 + 28) − 20]

∴ **y = 55**

Required Value = (x − y)

= (1007 − 55)

∴ **Required Value = 952**

Hence, the correct answer is option **C**.

2. We have,

a = 17 24 50
b = 82 a 20

Now, a = 17 24 50

Reference:
(II) If an odd number is followed by an even number, then 20 is subtracted from the sum of both numbers.

⇒ a = [(17 + 24) − 20] 50

⇒ a = 21 50

(II) If an odd number is followed by an even number, then 20 is subtracted from the sum of both numbers.

⇒ a = [(21 + 50) − 20]

∴ **a = 51**

And, b = 82 a 20

After, putting the value of **a = 51**, we get ⇒ **b = 82 51 20**

Reference:
(I) If an even number is followed by an odd number, then 25 is added to the difference of both numbers.

⇒ b = [(82 − 51) + 25] 20

⇒ b = 56 20

(III) If an even number is followed by an even number, then 25 is subtracted from the product of both numbers.

⇒ b = [(56 × 20) − 25]

∴ **b = 1095**

Required Value = b

∴ **Required Value = 1095**

Hence, the correct answer is option **D**.

3.   We have,

p = 36 13 29
q = 73 22 19

Now, p = 36 13 29

Reference:
(I) If an even number is followed by an odd number, then 25 is added to the difference of both numbers.

⇒ p = [(36 − 13) + 25] 29

⇒ p = 48 29

(I) If an even number is followed by an odd number, then 25 is added to the difference of both numbers.

⇒ p = [(48 − 29) + 25]

∴ **p = 44**

And, q = 73 22 19

Reference:
(II) If an odd number is followed by an even number, then 20 is subtracted from the sum of both numbers.

⇒ q = [(73 + 22) − 20] 19

⇒ q = 75 19

(III) If an odd number is followed by an odd number, then 25 is subtracted from the product of both numbers.

⇒ q = [(75 × 19) − 25]

∴ **q = 1400**

Required Value = $(p + q)^{1/2}$

= $(1400 + 44)^{1/2}$ = $(1444)^{1/2}$

∴ **Required Value = 38**

Hence, the correct answer is option **B**.

4. We have,

m = 96 43 20
n = 57 36 44

Now, m = 96 43 20

Reference:
(I) If an even number is followed by an odd number, then 25 is added to the difference of both numbers.

⇒ m = [(96 − 43) + 25] 20

⇒ m = 78 20

(III) If an even number is followed by an even number, then 25 is subtracted from the product of both numbers.

⇒ m = [(78 × 20) − 25]

∴ **m = 1535**

And, n = 57 36 44

Reference:
(II) If an odd number is followed by an even number, then 20 is subtracted from the sum of both numbers.

⇒ n = [(57 + 36) − 20] 44

⇒ n = 73 44

(II) If an odd number is followed by an even number, then 20 is subtracted from the sum of both numbers.

⇒ n = [(73 + 44) − 20]

∴ **n = 97**

Required Value = (m + n)/2

= (1535 + 97)/2

∴ **Required Value = 816**

Hence, the correct answer is option **B**.

5. We have,

c = 28 11 25
d = 63 18 17

Now, c = 28 11 25

Reference:
(I) If an even number is followed by an odd number, then 25 is added to the difference of both numbers.

⇒ c = [(28 − 11) + 25] 25

⇒ c = 42 25

(I) If an even number is followed by an odd number, then 25 is added to the difference of both numbers.

⇒ c = [(42 − 25) + 25]

∴ **c = 52**

And, d = 63 18 17

Reference:
(II) If an odd number is followed by an even number, then 20 is subtracted from the sum of both numbers.

⇒ d = [(63 + 18) − 20] 17

⇒ d = 61 17

(III) If an odd number is followed by an odd number, then 25 is subtracted from the product of both numbers.

⇒ d = [(61 × 17) − 25]

∴ **d = 1012**

Required Value = (d/4 − c)/3

 = (1012/4 − 52)/3   = (201)/3

∴ **Required Value = 67**

Hence, the correct answer is option **C**.