18PDM202L/ Critical and Creative thinking skills

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* Required

PART A

2. How many different words can be formed using all the letters of the   1 point
word CALIBER? *

◉ A. 7!

◯ B. B. 6!

◯ C. C. 5042

◯ D. NONE

4. A works twice as fast as B. If B can complete a work in 18 days   1 point
independently, the number of days in which A and B can together finish the
work is: *

◉ A. 6

◯ B. 27

◯ C. 9

◯ D. 10

if GULMOHAR is coded as TFONLSZI,PIPAL will be coded as: *   1 point

○ a)QJQBM

○ b)QJQBN

◉ c)KRKZO

○ d)KIKZO

Two dice are thrown. Find the probability of getting a multiple of 3 or 5 as   1 point
the sum. *

○ a) 19/36

○ b) 1/2

◉ c) 17/36

○ d) 5/36

What is the probability of picking a card from a bowl 20 cards? *   1 point

○ A. 20!

◉ B. 1/20

○ C. 1

○ D. 20

How many different ways 5 books on mathematics, 4 books on English and   1 point
3 books on science can be arranged in a shelf so that the books of the
same category is always together. *

○ A.12!

◉ B.3!x5!x4!x3!

○ C. 5!x4!x3!

○ D. 12P3

A box has 13 white chips, 7 blue chips and 6 green chips. What is the   1 point
probability that, if 2 chips are drawn from the box in succession, one is blue
and other is white? *

○ a) 8/30

◉ b) 7/25

○ c) 7/50

○ d) 20/16

In the following question two equation numbers I and II are given a) if x>y b) if x≥y c) x<y d)x≤y e)x=y or relationship cannot be established ------------ --- I.x^2+6x-72=0 II.y^2+25y+156=0 *

1 point

◉ A

○ B

○ C

○ D

○ E

The Present age of Aradhana and adrika is in the ratio 3:4. 5 years back the ratio of their ages was 2:3, what is the present age of Aradhana? *

1 point

○ a) 12 years

◉ b)15 years

○ c)20 years

○ d)22 years

○ e) 10 years

One card is drawn from a pack of 52 cards each of the 52 cards being equally likely to be drawn. Find the probability that the card drawn is 9 of hearts? *

1 point

○ a) 1/13

○ b) 1/26

◉ c) 1/52

○ d) 3/52

If the total ages of Iqbal and shikaris 12 years more than the total age of shikar and charu, charu is how many years younger than Iqbal? *

1 point

○ a)11 years

◉ b) 12 years

○ c) 15 years

○ d) none of the above

○ e) cannot be determined

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5. In how many ways can the letters of the word "PERFECT" be arranged? *

1 point

○ A. 5040

○ B. 7!

◉ C. 2520

○ D. 7x6x5x4x3x2x1

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12. How many 3 digit numbers can be formed from the digits 2, 3, 5, 6, 7 and 9 which are divisible by 5 and none of the digits is repeated? *   1 point

○ A. 24

○ B. 16

○ C. 8

◉ D. 20

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3. A bag contains 5 black and 6 red balls. 3 chosen atrandom , find the probability of getting 2 black and1 red balls can be selected from the lot. *   1 point

○ A. 3/11

○ B. 12/33

○ C.2/5

○ D. 1/6

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6. How many 8 digit telephone numbers can be formed if each number starts with 24 and no digit appears more than once? *   1 point

○ A. 8!

◉ B. 20160

○ C.26478

○ D. 8!/2!

The sum of ages of a daughter and mother is 56 years after four years the   1 point
age of the mother will be three times that of the daughter what is the age
of daughter and mother respectively? *

○ a) 12,41 years

○ b)12,30 years

○ c)11,34 years

◉ d)12,44 years

○ e)21,42 years

7. How many ways a committee of five persons can be selected from a   1 point
community 12 people? *

◉ A. 12C5

○ B. 12!

○ C. 12/5

○ D. 12X5

If —Apples are redll is coded as 541, —My eye swollenll is coded as 927,   1 point
fear of darkll is coded as 368, them what does —Apples of my eyell stand
for? *

◉ a) 5692

○ b) 5690

○ c) 5962

○ d) 5672

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9. Three athletes can complete one round around a circular field in 16, 24 and 36 min respectively. They start running together at same instant then after how much time they will meet each other for first time? *   1 point

○ A. 4

⦿ B. 144

○ C.128

○ D. 8

In the following question two equation numbers I and II are given a) if x>y b) if x≥y c) x<y d)x≤y e)x=y or relationship cannot be established --------------------------------- I.x^2-14x+48=0 II.y^2-5y+6=0 *   1 point

○ A

⦿ B

○ C

○ D

○ E

A copy of your responses will be emailed to the address you provided.

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