



Talent Transformation (2019)

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Started on Thursday, 16 August 2018, 2:22 PM

State Finished

Completed on Thursday, 16 August 2018, 2:48 PM

Time taken 26 mins 31 secs

Marks 17.33/20.00

Grade 8.67 out of 10.00 (87%)

Question 1

Correct

Mark 1.00 out of 1.00

Flag question

A rectangular box has six surfaces. The area of its front is 54 square inches; the area of its side is 72 square inches; and the area of its top is 108 square inches. What is the volume of the box?

Select one:

- ☐ a. 601
- ☐ b. 600
- ☐ c. 645
- ☒ d. 648 ✓

The correct answer is: 648

Question 2

Correct

Mark 1.00 out of 1.00

Flag question

The price of a commodity(in rupees per kilogram) is $100 + 0.1n$, on the n th day of 2007 ($n = 1, 2, \dots, 100$), and then remains constant. On the other hand, the price of another commodity (in rupees per kilogram) is $89 + 0.15n$, on the n th day of 2007 ($n=1, 2, \dots, 365$). On which date in 2007, will the price of these two commodities be equal?

Select one:

- ☐ a. April 10
- ☐ b. May 21
- ☐ c. April 11
- ☒ d. May 20 ✓

The correct answer is: May 20

Question 3

Correct

Mark 1.00 out of 1.00

Flag question

Two consecutive numbers are removed from progression $1, 2, 3, 4, \dots, n$. The arithmetic mean of remaining numbers is $26\frac{1}{4}$. The value of n is

Select one:

- ☐ a. 63
- ☐ b. 51
- ☒ c. 50 ✓
- ☐ d. 56

The correct answer is: 50

Question 4

Correct

Mark 1.00 out of 1.00

Flag question

Find the number of zeroes in the expression $15 \times 32 \times 25 \times 22 \times 40 \times 75 \times 98 \times 112 \times 125$.

Select one:

- ☐ a. 17
- ☐ b. 6
- ☒ c. 9 ✓
- ☐ d. 11

The correct answer is: 9

Question 5

Correct

Mark 1.00 out of 1.00

Flag question

1, 7, 8, 49, 56, 57, 343, ...

Select one:

- ☐ a. 363
- ☒ b. 392 ✓
- ☐ c. 361
- ☐ d. 353


The correct answer is: 392

Question 6

Correct

Consider the sequence $1, -2, 3, -4, 5, -6, \dots$, what is the average of the first 2000 terms of the sequence?

Mark 1.00 out of 1.00

 Flag question

Select one:


- ☒ a. 0 ✓
- ☐ b. -1
- ☐ c. -2
- ☐ d. 1

The correct answer is: 0

Question 7

Correct

Mark 1.00 out of 1.00

 Flag question

PLACES ,48th word

Select one:


- ☐ a. AESLPC
- ☒ b. AESPLC ✓
- ☐ c. ASEPLC
- ☐ d. AEPSLC

The correct answer is: AESPLC

Question 8

Correct

Mark 1.00 out of 1.00

 Flag question

In the series, only one number is wrong. Find out the wrong number. 518, 1030, 1130, 2858, 3054, 7160, 7474

Select one:


- ☐ a. 7160
- ☒ b. 3054 ✓
- ☐ c. 518
- ☐ d. 1130

The correct answer is: 3054

Question 9

Correct

Mark 1.00 out of 1.00

 Flag question

how many ways does 10 pencils given to four children such that each get atleast 1?

Select one:

- ☐ a. 96
- ☒ b. 84 ✓
- ☐ c. 72
- ☐ d. 90

The correct answer is: 84

Question 10

Correct

Mark 1.00 out of 1.00

Flag question

$2^{74} + 2^{2058} + 2^{2n}$ what is the value of n make it perfect square

Select one:

- ☐ a. 2030
- ☒ b. 2020 ✓
- ☐ c. 1010
- ☐ d. 2028

The correct answer is: 2020

Question 11

Correct

Mark 1.00 out of 1.00

Flag question

in the question A^B means A raised to the power B, $f(x) = ax^4 + bx^2 + x + 5$, $f(-3) = 2$, then $f(3) = ?$

Select one:

- ☐ a. 0
- ☒ b. 6 ✓
- ☐ c. 2
- ☐ d. 7

The correct answer is: 6

Question 12

Correct

Mark 1.00 out of 1.00

Flag question

One day ,Eesha started 30 min late from home and reached her office 50 min late while driving 25% slower than her usual speed.how much time in min Eesha usually take to reach her office from home

Select one:


- ☒ a. 60min ✓
- ☐ b. 70 min
- ☐ c. 80min
- ☐ d. 50min

The correct answer is: 60min

Question 13


Incorrect

Mark -0.33 out of 1.00

 Flag question

In what proportion water to be mixed with spirit to gain 12.5% by selling it at cost price.

Select one:


- ☒ a. 1:9 
- ☐ b. 1:8
- ☐ c. 2:5
- ☐ d. 1:10

The correct answer is: 1:8

Question 14


Correct

Mark 1.00 out of 1.00

 Flag question

How many 8 digits numbers can be formed with repetition by using 1,2,3,4,5 which are divisible by 4

Select one:


- ☐ a. 17500
- ☐ b. 12500
- ☐ c. 625125
- ☒ d. 62500 

The correct answer is: 62500

Question 15


Correct

Mark 1.00 out of 1.00

 Flag question

What is the distance between two parallel chords of length 24 cm and 32 cm in a circle of radius 20 cm ?

Select one:

- ☐ a. 1 or 7
- ☐ b. 3 or 21
- ☐ c. 2 or 14
- ☒ d. 4 or 28 

The correct answer is: 4 or 28


Question 16


Incorrect

A class of 100 students. 24 of them are girls and 32 are not. Which base am I using?

Select one:

Mark -0.33 out of 1.00

 Flag question


- ☐ a. 7
- ☒ b. 4 
- ☐ c. 8
- ☐ d. 6

The correct answer is: 6

Question 17


Correct

Mark 1.00 out of 1.00

 Flag question

Siva, Sathish, Amar and Praveen are playing cards. Amar is to the right of Sathish, who is to the right of Siva. Who is to the right of Amar?

Select one:


- ☐ a. Siva
- ☐ b. Amar
- ☐ c. Satish
- ☒ d. Praveen 

The correct answer is: Praveen

Question 18


Correct

Mark 1.00 out of 1.00

 Flag question

An organisation has 3 committees, only 2 persons are members of all 3 committee but every pair of committee has 3 members in common. what is the least possible number of members on any one committee?

Select one:


- ☐ a. 7
- ☐ b. 8
- ☐ c. 6
- ☒ d. 5 

The correct answer is: 5

Question 19


Correct

Mark 1.00 out of 1.00

 Flag question

What are the total number of divisors of 600(including 1 and 600)?

Select one:

- ☒ a. 24 
- ☐ b. 20
- ☐ c. 16


☐ d. 40

The correct answer is: 24

Question 20

Correct

Mark 1.00 out of 1.00

 Flag question

Of the 38 people in my office, 10 like to drink chocolate, 15 are cricket fans, and 20 neither like chocolate nor like cricket. How many people like both cricket and chocolate?

Select one:

- ☐ a. 15
- ☒ b. 7 ✓
- ☐ c. 18
- ☐ d. 10

The correct answer is: 7

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