Started on	Wednesday, 27 December 2023, 4:38 PM
State	Finished
Completed on	Wednesday, 27 December 2023, 5:03 PM
Time taken	24 mins 29 secs
Marks	10.00/25.00
Grade	<b>4.00</b> out of 10.00 ( <b>40</b> %)
Question 1	
Incorrect	
Mark 0.00 out of 1.00	
Find the highest po	wer of 24 in 150!
Select one:	
O 60	
36 ★	
<u>48</u>	
<b>24</b>	
The correct answer	is:
Question 2	
Incorrect	
Mark 0.00 out of 1.00	
Select one:  200 ×  450  199  500	ten in base 22. How many zeroes are there at the end?
The correct answer	is:

Question 3
Incorrect
Mark 0.00 out of 1.00
A number when divided by 779 gives a remainder 47. By dividing the same number by 19, what would be the remainder?
Select one:
O 7
8 x
<u> </u>
O 9
The correct answer is: 9
Question 4
Correct
Mark 1.00 out of 1.00
How many natural numbers 'n' are there, such that 'n!' ends with exactly 30 zeroes?
Select one:
O 2

Question 5
Incorrect
Mark 0.00 out of 1.00
Find the highest power of 72 in 100!
Select one:
○ 26
○ 20
<b>24</b>
The correct answer is:
24
Question 6
Incorrect
Mark 0.00 out of 1.00
A number when divided by 296 leaves 75 as remainder. When the same number is divided by 37, the remainder will be:
Select one:
○ <sup>3</sup>
_ 4
The correct answer is:

Question 7
Incorrect
Mark 0.00 out of 1.00
Find the highest power of 30 in 50!.
Select one:
16
O 14
O 12
The correct answer is: 12
Question 8
Correct
Mark 1.00 out of 1.00
Find the digit in unit's place of the product $49237 \times 3995 \times 738 \times 83 \times 9$ .
Select one:
○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○
○ 6
O 7

Question 9
Incorrect
Mark 0.00 out of 1.00
The difference between the squares of two consecutive odd integers is always divisible by?
Select one:
○ 6
4 x
$\bigcirc$ 2
○ 8
The correct answer is:
The correct answer is:  8
Question 10
Incorrect
Mark 0.00 out of 1.00
What is the largest power of 2 that can divide 269!?
Select one:
O 275
O 250
○ 265
The correct enewer in:

Question 11
Incorrect
Mark 0.00 out of 1.00
Find the unit's digits of 234! <sup>575</sup> .
Select one:
○ 1
3
$\circ$ 0
The correct answer is: 0
Question 12
Correct
Mark 1.00 out of 1.00
How many factors of $7^4 \times 3^2 \times 2^3$ are there?
Select one:
○ 55
O 45
- 40
O 40
O 40

Question 13
Correct
Mark 1.00 out of 1.00
Find the last digit of 3 <sup>40</sup> .
Select one:
O 7
O 9
$\bigcirc$ 3
The correct answer is: 1
Question 14
Incorrect
Mark 0.00 out of 1.00
Find the units digit of the expression $25^{6251} + 36^{528} + 73^{54}$ .
Select one:
⑥ 6 X
<b>4</b>
O 5
O 0

Question 15
Correct
Mark 1.00 out of 1.00
Find the sum of all two digit numbers divisible by 5.
Select one:
945   ✓
O 439
O 874
The correct answer is: 945
Question 16
Correct
Mark 1.00 out of 1.00
Find the unit digits in $3 \times 38 \times 537 \times 1256$
Select one:
O 2
O 6
8 ✓

Question 17
Incorrect
Mark 0.00 out of 1.00
How many factors of 12 are there?
Select one:
O 2
O 4
O 6
The correct answer is:
6
Question 18
Incorrect
Mark 0.00 out of 1.00
What least number must be subtracted from 13601, so that the remainder is divisible by 87?
Select one:
○ 31
O 29
O 23

Question 19	
Incorrect	
Mark 0.00 out of 1.00	
If the product 4864*9 P 2 is divisible by 12, the value of p:	
Select one:	
$_{\bigcirc}$ 1	
O 4	
O 2	
The correct answer is:	
1	
Question 20	
Correct	
Mark 1.00 out of 1.00	
If the number 517 $\times$ 324 is completely divisible by 3, then the smallest whole number in place of $\times$ will be:	
Select one:	
$_{\odot}$ 1	
○ 2 ✓	
O 4	
○ 3	
The correct answer is:	
2	
Question 21	
Correct	
Mark 1.00 out of 1.00	
What smallest number should be added to 4456 so that the sum is completely divisible by 6?	
Select one:	
○ 2 ✓	
○ <b>4</b>	
○ 5	
○ 1	

Question 22
Correct
Mark 1.00 out of 1.00
476 ** 0 is divisible by both 3 and 11. The non zero digits in the hundred's and ten's places are respectively:
Select one:
O 6 & 5
O 8 & 2
8 & 5   ✓
O 6 & 2
The correct answer is: 8 & 5
Question 23
Correct
Mark 1.00 out of 1.00
Find the units digits of 1! + 2! + 3! ++ 99!.
Select one:
O 4
$^{\circ}$
O 0
The correct answer is: 3

Question 24				
Incorrect				
Mark 0.00 out of 1.00				
low many of the following r	umbers are divisible	by 132?		
64, 396, 462, 792, 968, 217	3, 5184, 6336			
Select one:				
_ 6				
O 4				
<sub>0</sub> 7				
The correct answer is:				
Question 25				
Question 25				
Question 25	on-zero digit in 15!?			
Question 25 Incorrect Mark 0.00 out of 1.00	on-zero digit in 15!?			
Question 25 Incorrect Mark 0.00 out of 1.00  What is the rightmost ne	on-zero digit in 15!?			
Question 25 Incorrect Mark 0.00 out of 1.00  What is the rightmost not select one:	on-zero digit in 15!?			
Question 25 Incorrect Mark 0.00 out of 1.00  What is the rightmost not select one:	on-zero digit in 15!?			
Question 25 Incorrect Mark 0.00 out of 1.00  What is the rightmost not select one: 6 8	on-zero digit in 15!?			
Question 25 Incorrect Mark 0.00 out of 1.00  What is the rightmost not select one:  6 8 5 ×	on-zero digit in 15!?			
Question 25 Incorrect Mark 0.00 out of 1.00  What is the rightmost not select one:  6 8 5 ×	on-zero digit in 15!?			