Number System 02

01. If n is any odd number greater than 1, then $n(n^2 - 1)$ is always divisible by ?

(a) 96   (b) 48   (c) 24   (d) None of these

02. If a number 774958A96B is to be divisible by 8 and 9, the respective values of A and B will be

(a) 7 and 8   (b) 8 and 0   (c) 5 and 8   (d) None of these

03. Three consecutive positive even numbers are such that thrice the first number exceeds double the third by 2, the third number is ?

(a) 10   (b) 14   (c) 16   (d) 12

04. Three bells chime at intervals of 18 min, 24 min and 32 min respectively. At a certain time, they begin to together, What length of time will elapse before they chime together again ?

(a) 2 h and 24 min   (b) 4h and 48 min   (c) 1 h and 36 min   (d) 5h

05. Two positive integers differ by 4 and sum of their reciprocals is 10/21. Then, one of the numbers is ?

(a) 3   (b) 1   (c) 5   (d) 21

06. $(5^6 - 1)$ is divisible by ?

(a) 13   (b) 31   (c) 5   (d) None of these

07. The remainder obtained when a prime number greater that 6 is divided by 6 is

(a) 1 or 3   (b) 1 or 5   (c) 3 or 5   (d) 4 or 5

08. For the product n(n+1)(2n+1) , which one of the following is not necessarily true ?

(a) It is even   (b) Divisible by 3   (c) divisible by (n(n+1)(2n+1))/2   (d) Never divisible by 237

09. 72 Hens Rs …96.7.. Then what does each hen cost, where two digits in place of "…. , ….."are not visible written in illegible hand-writing ?

(a) Rs 3.23   (b) Rs 5.11   (c) Rs 5.51   (d) Rs 7.22

10.	Which is the least number that must be subtracted from 1856 so that the remainder when divided by 7, 12, 16, is 4?			
	(a) 137	(b) 1361	(c) 140	(d) 172

Answers

1.	C	2.	B
3.	B	4.	B
5.	A	6.	B
7.	B	8.	D
9.	C	10.	D

Detailed Solution (http://www.elitmuszone.com/elitmus/number-system-solution-2/)

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Share this article (http://www.facebook.com/sharer.php?u=http://www.elitmuszone.com/elitmus/number-system-set-2/) (https://plus.google.com/share?url=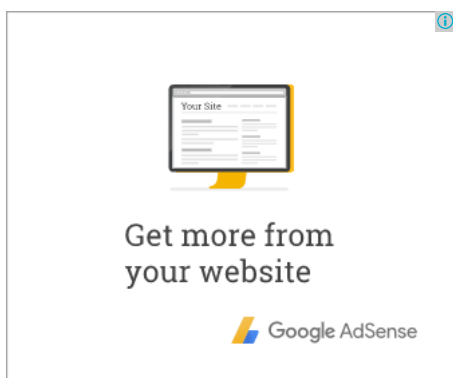http://www.elitmuszone.com/elitmus/number-system-set-2/) (mailto:?subject=Number%20System%2002&body=%20http://www.elitmuszone.com/elitmus/number-system-set-2/) (http://twitter.com/share?url=http://www.elitmuszone.com/elitmus/number-system-set-2/&text=Number+System+02+)

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question on this page is comparatively easier and certainly not elitmus level...please add some more questions or update this question...question on other section ever number system 1 was awesome... Thank you

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