2007 MBA - LOGARATHEMIC QUESTION PAPER

TIME : 3 HOUR
MARK : 100

Question 1 of 25
If a2 = b3 = c5 = d6, then logd (abc) =

1.

2.

3.

4. None of these

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Question 2 of 25
Which of the following is true?

1. log11 1650 > log131950

2. log11 1650 < log13 1950

3. log11 1650 = log13 1950

4. None of these

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Question 3 of 25
Evaluate log6 (216).

1. 7/2

2. - 7/2

3. 14

4. 27

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Question 4 of 25
log (x3 + 5) = 3 log (x + 2). Then x =?

1.

2.

3. Both (1) and (2)

4.

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Question 5 of 25
If log 2 = 0.30103 and log 3 = 0.47712, find log.

1. 0.02847

2. 0.06472

3. 0.06244

4. 0.006247

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Question 6 of 25
log (29 + 12) = log (3 + 4x). Find x.

1.

2.

3.

4.

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Question 7 of 25
log 0.0004567 is

1. 4.6597

2. .6597

3. 3.7

4. 4.7

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Question 8 of 25
If 10x = x50, then x is equal

1. 100

2. 200

3.

4.

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Question 9 of 25
Why log (1 + 2 + 3) = log 1 + log 2 + log 3?

1. 6 is a perfect number

2. log (a + b + c) = log a + log b + log c

3. 1 + 2 + 3 = 1 x 2 x 3

4. None of these

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Question 10 of 25
If (loge x)2 – 5 loge x + 6 = 0, then the value/values of x could be

1. 2

2. e2

3. e3

4. e2 and e3 both

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Question 11 of 25
Find the value of

1. 2

2. 4

3. 1

4. None of these

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Question 12 of 25
Given: = = . Find the value of aa bb cc.

1.

2. 1

3. 0

4. None of these

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Question 13 of 25
log3 x – logx 27 < 2 for any x in:

1. (, 27)

2. (, 3)

3. (, 9)

4. None of these

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Question 14 of 25
The decimal expansion of has for its third nonzero digit from the right as:

1. 1

2. 3

3. 6

4. 9

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Question 15 of 25
If log (a – b) = log a – log b, then find a in terms of b?

1.

2.

3.

4. None of these

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Question 16 of 25
Find the value of z in 100x =

1. logy(1+ x)

2. logx(1+ y)

3. 10

4. logx(1+ x + y)

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Question 17 of 25
Find log125 , log927.

1. ,

2. 3,

3. 30, 20

4. ,

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Question 18 of 25
Find the logarithm of 32 to base .

1. 1

2. 10

3. 100

4.

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Question 19 of 25

The logarithm of 0.0001 to the base 0.001 is:

1. 3/4

2. 4/3

3. 3

4. 2

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Question 20 of 25
(a4 – 2a2b2 + b4)x – 1 = (a – b)-2 (a + b)–2 then x is equal to:

1. 1

2. 0

3. None of these

4. Cannot be determined

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Question 21 of 25
Calculate the value of is equal to:

1. log 15

2. 9

3. 15

4. 12

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Question 22 of 25
Find the solution of the equation log7log5 [+] = 0

1. X = 3

2. X = 2

3. X = 4

4. X = 6

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Question 23 of 25
= 2. Then x =?

1.

2.

3.

4. None of these

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Question 24 of 25
The possible value(s) of x for the equation log2 x2 + logx 2 = 3 is/are:

1. 2,

2. 1

3. 1,

4. 2

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Question 25 of 25
The value of 2 log – log + 2 log 3 + log 49 will be:

1. log 2

2. 0

3. 2

4. 3