2007 MBA – DATA SUFFICIENCY QUESTION PAPER

TIME : 3 HOUR

1.
What is the value of n?

(A) 12 ? n ? n2 ? 0

(B) n is a prime number greater than 7.

1. If the question can be solved using any one of the statements.
2. If the question can be solved using either of the statements.
3. If the question can be solved using both but not either alone.
4. If the question cannot be solved using the given statements.

Question 2 of 25
What is the HCF of X and Y?

(A) X = 36

(B) Y = 4X

1. If the question can be solved using any one of the statements.
2. If the question can be solved using either of the statements.
3. If the question can be solved using both but not either alone.
4. If the question cannot be solved using the given statements.

Question 3 of 25
What is the value of log10 60?

(A) log10 2 = 0.3010

(B) log103 = 0.4771

1. If the question can be solved using any one of the statements.
2. If the question can be solved using either of the statements.
3. If the question can be solved using both but not either alone.
4. If the question cannot be solved using the given statements.

Question 4 of 25
Is area of | |gm PQRS > 0?

(A) PQ = = 10 cm

(B) PQ = = 10 cm

1. If the question can be solved using any one of the statements.
2. If the question can be solved using either of the statements.
3. If the question can be solved using both but not either alone.
4. If the question cannot be solved using the given statements.

Question 5 of 25
What are x and y?

(A) 3x + 4y = 10

(B) 12x + 16y = 40

1. If the question can be solved using any one of the statements.
2. If the question can be solved using either of the statements.

3. If the question can be solved using both but not either alone.
4. If the question cannot be solved using the given statements.

Question 6 of 25
Is $x2 + y3 > z3$

(A) $x = + 6.0 =$

(B) $y = z2 = ?x$

1. If the question can be solved using any one of the statements.
2. If the question can be solved using either of the statements.
3. If the question can be solved using both but not either alone.
4. If the question cannot be solved using the given statements.

Question 7 of 25
Can $|x| / y3 > 1$?

(A) $x = y$

(B) $– y = |x|$

1. If the question can be solved using any one of the statements.
2. If the question can be solved using either of the statements.
3. If the question can be solved using both but not either alone.
4. If the question cannot be solved using the given statements.

Question 8 of 25
Is $PQ > QR$?

(A) P, Q, R are collinear.

(B) ? PQR is obtuse angled at P.

1. If the question can be solved using any one of the statements.
2. If the question can be solved using either of the statements.
3. If the question can be solved using both but not either alone.
4. If the question cannot be solved using the given statements.

Question 9 of 25
What is the % of milk in the mixture?

(A) The mixture contains water, milk, honey (only these three).

(B) Milk: Honey = 3 : 5 (by weight). Net amount of milk = Net amount of water.

1. If the question can be solved using any one of the statements.
2. If the question can be solved using either of the statements.
3. If the question can be solved using both but not either alone.
4. If the question cannot be solved using the given statements.

Question 10 of 25
Can the score in Maths go above 65%?

(A) 25% of the questions were easy and 30% were impossible to solve in the paper.

(B) There are 10% mistakes in the easy section.

1. If the question can be solved using any one of the statements.
2. If the question can be solved using either of the statements.
3. If the question can be solved using both but not either alone.
4. If the question cannot be solved using the given statements.

Is ?QRP > ?QPR in the right triangle PQR?

(A) ?Q = 90?

(B) =

1. If the question can be solved using any one of the statements.
2. If the question can be solved using either of the statements.
3. If the question can be solved using both but not either alone.
4. If the question cannot be solved using the given statements.

What is Johnson's time in 100 m sprint?

(A) He takes 9 seconds for the first 70 m.

(B) He takes 4 seconds for the last 40 m.

1. If the question can be solved using any one of the statements.
2. If the question can be solved using either of the statements.
3. If the question can be solved using both but not either alone.
4. If the question cannot be solved using the given statements.

What is the price of a mango?

(A) 4 mangoes and 3/4 banana cost Rs. 13.

(B) 26 Rs. are paid for 1½ bananas and 8 mangoes.

1. If the question can be solved using any one of the statements.
2. If the question can be solved using either of the statements.
3. If the question can be solved using both but not either alone.
4. If the question cannot be solved using the given statements.

Can the three points A, B, C be collinear?

(A) ?BC A + ?CAB + ?ABC = 180?

(B) ?BCA = 180?

1. If the question can be solved using any one of the statements.
2. If the question can be solved using either of the statements.
3. If the question can be solved using both but not either alone.
4. If the question cannot be solved using the given statements.

Is 522520 divisible by x? (x is positive)

(A) |x| =

1. If the question can be solved using any one of the statements.
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3. If the question can be solved using both but not either alone.
4. If the question cannot be solved using the given statements.

Can DS section be solved?

(A) It is very easy.

(B)Tough things can't be solved.

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4. If the question cannot be solved using the given statements.

Question 17 of 25
What is the value of q?

(A) p, q, r are in geometric progression.

(B) p, q, r are in arithmetic progression.

1. If the question can be solved using any one of the statements.
2. If the question can be solved using either of the statements.
3. If the question can be solved using both but not either alone.
4. If the question cannot be solved using the given statements.

Question 18 of 25
Is ab > bc?

(A) $a = 2b^2 + c$

(B) $a = c - b^2$

1. If the question can be solved using any one of the statements.
2. If the question can be solved using either of the statements.
3. If the question can be solved using both but not either alone.
4. If the question cannot be solved using the given statements.

Question 19 of 25
Can

1. If the question can be solved using any one of the statements.
2. If the question can be solved using either of the statements.
3. If the question can be solved using both but not either alone.
4. If the question cannot be solved using the given statements.

Question 20 of 25
Is Ram older than Sohan?

(A) The average age of Ram, Shyam and Sohan is 13 yrs.

(B) The age of Sohan is 2 years more than Ram.

1. If the question can be solved using any one of the statements.
2. If the question can be solved using either of the statements.
3. If the question can be solved using both but not either alone.
4. If the question cannot be solved using the given statements.

Question 21 of 25
Can area of ? ABC > Area of ? PQR?

(A) ? ABC ~ ? PQR

(B) AB = 2 PQ

1. If the question can be solved using any one of the statements.
2. If the question can be solved using either of the statements.

3. If the question can be solved using both but not either alone.
4. If the question cannot be solved using the given statements.

Question 22 of 25
What is the value of the index n?

(A) 4n = [1/4?27]4/15

(B) ?85/?243 x 5?27 = 5n

1. If the question can be solved using any one of the statements.
2. If the question can be solved using either of the statements.
3. If the question can be solved using both but not either alone.
4. If the question cannot be solved using the given statements.

Question 23 of 25
What is the value of log13 5 (in terms of p, q and r) ?

(A) log5 7 = p, log11 7 = q

(B) log11 13 = r

1. If the question can be solved using any one of the statements.
2. If the question can be solved using either of the statements.
3. If the question can be solved using both but not either alone.
4. If the question cannot be solved using the given statements.

Question 24 of 25
What is the value of a?

(A) 3x – 2y = 15

(B) 9x + ay = 45

1. If the question can be solved using any one of the statements.
2. If the question can be solved using either of the statements.
3. If the question can be solved using both but not either alone.
4. If the question cannot be solved using the given statements.

Mark for revision | Unmark
Question 25 of 25
m and n are natural numbers. Is 32m > 23n?

(A) m > n

(B) m + n = 5

1. If the question can be solved using any one of the statements.
2. If the question can be solved using either of the statements.
3. If the question can be solved using both but not either alone.
4. If the question cannot be solved using the given statements.