BOARD OF INTERMEDIATE EDUCATION, KARACHI
INTERMEDIATE EXAMINATION, 2016 (ANNUAL)

Date: 13.05.2016

3:30 p.m. to 3:45 p.m.

BUSINESS MATHEMATICS PAPER I
(Commerce Group – Regular & Private)

Max. Marks: 10

Time: 15 minutes

SECTION 'A'
(MULTIPLE CHOICE QUESTIONS) – (M.C.Qs.)

Code No: BM-05

Write this Code No. in the Answerscript.

NOTE:

i) This section consists of 10 part questions and all are to be answered. Each question carries one mark.

ii) Do not copy the part questions in your answerbook. Write only the answer <u>in full</u> against the proper number of the question and its part.

iii) The code of your question paper is to be written <u>in bold letters</u> in the beginning of the answerscript.

1. Choose the correct answer for each from the given options:

i) The ratio of 60 paisas to 2 rupees is:
  * 10:2 * 3:3 * 10:3 * **3:10**

ii) The inverse of a matrix does not exist when value of determinant is:
  * −1 * **0** * 1 * 2

iii) The simple interest on Rs. 6500 for two years at 10% per annum is Rs.:
  * 1650 * **1300** * 566 * 156

iv) $x^a \cdot x^{-a}$ is equal to:
  * x^{-2a} * **1** * x^{2a} * zero

v) The number of roots in a quadratic equation is:
  * **2** * 3 * 4 * 5

vi) 39 is 78% of:
  * 39 * 45 * **50** * 78

vii) The base of binary system is:
  * **2** * 5 * 8 * 10

viii) $\sqrt[5]{x}$ is equal to:
  * $x^{-\frac{2}{5}}$ * **$x^{\frac{1}{5}}$** * x^5 * $x^{\frac{5}{2}}$

ix) Multiplicative inverse of $-\dfrac{7}{5}$ is:
  * $\dfrac{7}{5}$ * $-\dfrac{7}{5}$ * **$-\dfrac{5}{7}$** * 1

x) The slope of a straight line $3x + 2y - 1 = 0$ is:
  * **$-\dfrac{3}{2}$** * $-\dfrac{2}{3}$ * $\dfrac{2}{3}$ * $\dfrac{3}{2}$

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