

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

The correct answers are highlighted in red colour.

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

Code No: BM-09

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 in full against the proper number of the question and its part.
- iii) The code of your question paper is to be written in bold letters in the beginning of the answerscript.

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

- i) The number of roots in a quadratic equation is:
* **2** * 3 * 4 * 5
- ii) 39 is 78% of:
* 39 * 45 * **50** * 78
- iii) The base of binary system is:
* **2** * 5 * 8 * 10
- iv) $\sqrt[5]{x}$ is equal to:
* $x^{-\frac{2}{5}}$ * **$x^{\frac{1}{5}}$** * x^5 * $x^{\frac{5}{2}}$
- v) Multiplicative inverse of $-\frac{7}{5}$ is:
* $\frac{7}{5}$ * $-\frac{7}{5}$ * **$-\frac{5}{7}$** * 1
- vi) The slope of a straight line $3x + 2y - 1 = 0$ is:
* **$-\frac{3}{2}$** * $-\frac{2}{3}$ * $\frac{2}{3}$ * $\frac{3}{2}$
- vii) The ratio of 60 paise to 2 rupees is:
* 10:2 * 3:3 * 10:3 * **3:10**
- viii) The inverse of a matrix does not exist when value of determinant is:
* -1 * **0** * 1 * 2
- ix) The simple interest on Rs. 6500 for two years at 10% per annum is Rs.:
* 1650 * **1300** * 566 * 156
- x) $x^a \cdot x^{-a}$ is equal to:
* x^{-2a} * **1** * x^{2a} * zero

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