

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

Date: 03.05.2016  
2:30 p.m. to 2:45 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-03

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) 10 is 100 times greater than:  
\* 0.001 \* 0.01 \* **0.1** \* 1
- ii) A matrix for which inverse does not exist known as:  
\* Unit matrix \* Square matrix \* Null matrix \* **Singular matrix**
- iii) If  $x:4::10:2$  then  $x$  is equal to:  
\* **20** \* 21 \* 22 \* 23
- iv) The distance between two points  $(-2, 3)$  and  $(1, -1)$  is:  
\* 0 \* **5** \* 10 \* 20
- v) Binary equivalent of 8 is:  
\* **1000** \* 1001 \* 1010 \* 1100
- vi) If the principal amount remains unchanged throughout the interest period, such interest is called:  
\* compound interest \* **simple interest** \* effective rate of interest \* annuity
- vii) In a quadratic equation, the highest power of the variable is:  
\* 0 \* 1 \* **2** \* 3
- viii) The product of a matrix by its inverse is equal to:  
\* Null matrix \* Singular matrix \* **Identity matrix** \* Row matrix
- ix) A straight line is parallel to x-axis, then its slope is equal to:  
\* Infinity \* **zero** \* 1 \* 2
- x) Simple interest on Rs. 300/- for 4 years at 5% per annum is:  
\* **60** \* 66 \* 320 \* 360

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