

INTERMEDIATE PART-I (11th CLASS)

**BUSINESS MATHEMATICS & STATISTICS (NEW SCHEME)
PAPER-I (COMMERCE GROUP)**

TIME ALLOWED: 20 Minutes

OBJECTIVE

MAXIMUM MARKS: 15

Note: You have four choices for each objective type question as A, B, C and D. The choice which you think is correct, fill that circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question. Attempt as many questions as given in objective type question paper and leave others blank. No credit will be awarded in case BUBBLES are not filled. Do not solve question on this sheet of OBJECTIVE PAPER.

Q.No.1

- (1) The ratio $\frac{4}{9} : \frac{1}{3}$ in lowest term is:- (A) 4 : 3 (B) 3 : 4 (C) 9 : 3 (D) 3 : 1
- (2) If $7 : x = 7 : 8$, then value of x is:- (A) 7 (B) 1 (C) 56 (D) 8
- (3) 45 % of 800 is:- (A) 350 (B) 315 (C) 335 (D) 360
- (4) The sum of annuity is always:-
(A) Present Value (B) Future Value (C) Current Value (D) None of these
- (5) The formula for compound interest is:-
(A) $P(1+i)^n$ (B) $P[(1+i)^n + 1]$ (C) $P[(1+i)^n - 1]$ (D) $P[1 + (1-i)^n]$
- (6) A function $f(x)$ is called odd if:-
(A) $f(-x) = f(x)$ (B) $f(-x) = -f(x)$ (C) $f(-x) = 0$ (D) None of these
- (7) The function $f(x) = \frac{1}{x}$ is not defined as:- (A) 1 (B) -1 (C) 0 (D) 2
- (8) In equation $3x - 6 = 0$, the quantity x is called:-
(A) Unknown (B) Constant (C) Coefficient (D) None of these
- (9) The roots of quadratic equation $2x^2 - 5x + 3 = 0$ are:-
(A) Real and equal (B) Real and Unequal (C) Imaginary (D) None of these
- (10) Solution set for equations $x + y = 0$, $x - y = 0$ is:-
(A) $\{(0, 0)\}$ (B) $\{(1, -1)\}$ (C) $\{(-1, 1)\}$ (D) $\{(-1, -1)\}$
- (11) The matrix $[a \ b \ c]$ is:-
(A) Diagonal matrix (B) Scalar (C) Row matrix (D) Identity
- (12) The matrix $\begin{bmatrix} 2 & 0 \\ 0 & 3 \end{bmatrix}$ is:-
(A) Scalar (B) Diagonal (C) Identity (D) Null
- (13) For any square matrix A , $|A^t|$ will be equal to:-
(A) A^{-1} (B) $Adj(A)$ (C) $|A|$ (D) A^t
- (14) 5 in binary system is:-
(A) $(10)_2$ (B) $(100)_2$ (C) $(111)_2$ (D) $(101)_2$
- (15) Convert $(1001)_2$ into decimal system:- (A) 9 (B) 7 (C) 5 (D) 3