Syllabus:

(Ch# 1,3,SQ of 7. 1,10 , 12(Theourum #1,2,3) Define ch. 1,3,7,10)

Math (Science	9th Punjab Board	Paper - 1
Time : 20 Minutes	OBJECTIVE	Max. Marks : 15

1.1 The idea of matrices was given by _____.
(A) Henry Briggs (B) Jobst Burgi (C) Arthur Cayley (D) John Napier

2. The logarithm of unity of any base is.
(A) 1 (B) 10 (C) e (D) 0

3. Antilogarithm table was prepared by _____.
(A) Henry Briggs (B) Jobst Burgi (C) Arthur Cayley (D) John Napier

4. logp – logq is same as

(A) $\log\left(\frac{p}{q}\right)$ (B) log (p – q) (C) $\frac{\log p}{\log q}$ (D) $\log\left(\frac{q}{p}\right)$

5. If $a^x = n$ then :
(A) $a = \log_x n$ (B) $x = \log_n a$ (C) $x = \log_a n$ (D) $a = \log_n x$

6. The order of matrix $\begin{bmatrix} 2 & 1 \end{bmatrix}$ is:
(A) 2 – by - 1 (B) 1 – by - 2 (C) 1 – by - 1 (D) 2-by-2

7. Which is order of a square matrix?
(A) 1 – by – 2 (B) 1 – by - 1 (C) 2 – by - 2 (D) 1 – by - 2

8. $\log_b a \times \log_c b$ can be written as

(A) $\log_a c$ (B) $\log_c a$ (C) $\log_a b$ (D) $\log_a c$

9. log e = _____ where c ≅ 2.718:
(A) 0 (B) 0.4343 (C) ∞ (D) 1

10. Value of log p/q is
(A) log p – loq q (B) $\frac{\log p}{\log q}$ (C) logp + loq q (D) log q – log p

11. The relation of $y = \log_z x$ implies.
(A) $Z^y = x$ (B) $x^y = z$ (C) $x^2 = y$ (D) $y^2 = x$

12. Matrix 2002 is called _____ matrix.
(A) Zero (B) Identity (C) Scalar (D) Singular

13. Order of transpose of $\begin{matrix} 2 \\ 1 \\ 0 \\ 3 \\ 2 \end{matrix}$ is:
(A) 3-by-2 (B) 2 – by - 3 (C) 3 – by - 1 (D) 1 – by - 3

14. Product of $[x \quad y]\begin{bmatrix} 2 \\ -1 \end{bmatrix}$ is equal to

(A) [2x + y] (B) [x -2y] (C) [2x –y] (D) [x +2y]

15. If $\begin{bmatrix} 2 & 6 \\ 3 & x \end{bmatrix} = 0$ then x is equal to.

(A) 0 (B) -6 (C) 6 (D) -9

	A B C D		A B C D		A B C D		A B C D		A B C D
1	A B **C** D	4	**B** B C D	7	A B C **C**	10	**B** B C D	13	A **C** C D
2	A B C **C**	5	A B **D** D	8	A **C** C D	11	**B** B C D	14	A B **D** D
3	A **C** C D	6	A **C** C D	9	A **C** C D	12	A B **D** D	15	**B** B C D

نوٹ: معروضی سوال نامے کو توجہ سے پڑھیں اور ہر MCQ کی درست آپشن A,B,C,D کو پین کی سیاہی یا مارکر سے اس طرح پُر کریں کہ سیاہی دائرے سے باہر نہ نکلے۔ ایک سے زیادہ دائروں کو پُر کرنے یا کاٹ کر پُر کرنے کی صورت میں مذکورہ جواب غلط تصور ہوگا۔