

TEST-3**Syllabus:****(Ch# 5,6,16, (Theorem #-1,2,3) SQ-13,15,16 Define of these chapter.****MATHEMATICS (SCIENCE) -2020- (9TH CLASS) PAPER: II (OBJECTIVE TYPE)
TIME ALLOWED: 15 Min Marks: 15**

Note: Four possible answers A, B, C and D to each question are given. The choice which you think is correct fill that circle in front of that question with marker or Pen ink in the answer-book. Cutting or filling two or more circle will result in zero mark in that question.

- 1.1 What will be added to complete the square of $9a^2 - 12ab$?
 A. $-16b^2$ B. $16b^2$ C. $4b^2$ D. $-4b^2$
2. Factorise of $x^2 - 5x + 6$:
 (A) $x + 1, x - 6$ (B) $x - 2, x - 3$ (C) $x + 6, x - 1$ (D) $x + 2, x + 3$
3. What will be added to complete the square of $9a^2 - 12ab$?
 (A) $4b^2$ (B) $16a^2$ (C) $-16b^2$ (D) $-4b^2$
4. Find m so that $x^2 - 4x + m$ is a complete square.
 (A) 8 (B) -8 (C) 4 (D) 16
5. The factors of $5x^2 - 17xy - 12y^2$ are.
 (A) $(x+4y)(5x+3y)$ (B) $(x-4y)(5x-3y)$ (C) $(x-4y)(5x+3y)$ (D) $(5x-4y)(x+3y)$
6. H.C.F. of $5x^2y^2$ and $20x^3y^3$ is.
 (A) $5x^2y^2$ (B) $20x^3y^3$ (C) $100x^5y^5$ (D) $5xy$
7. H.C.F. of $(x - 2)$ and $(x^2 + x - 6)$ is:
 (A) $x^2 + x - 6$ (B) $x + 3$ (C) $x - 2$ (D) $x + 2$
8. H.C.F. of $a^3 + b^3$ and $a^2 - ab + b^2$
 (A) $a+B$ (B) $a^2 - ab + b^2$ (C) $(a-b)^2$ (D) $a^2 + b^2$
9. The square root of $a^2 - 2a + 1$ is.
 (A) $\pm(a - 1)$ (B) $\pm(a + 1)$ (C) $(a - 1)$ (D) $(a + 1)$
10. L.C.M of $a^2 + b^2$ and $a^4 - b^4$ is
 (A) $a^2 + b^2$ (B) $a^2 - b^2$ (C) $a - b$ (D) $a^4 - b^4$
11. What should be added to complete the square of $x^4 + 64$:
 (A) $8x^2$ (B) $-8x^2$ (C) $16x^2$ (D) $4x^2$
12. A triangular _____ is the union of a triangle and its interior.
 (A) Region (B) Interior (C) Area (D) Exterior
13. If the length and breadth of a rectangle are 'a' and 'b' then the area will be.
 (A) $a + b$ (B) $a - b$ (C) a / b (D) $a \times b$
14. Altitude of any triangle is perpendicular distance from _____ to opposite side.
 (A) Vertex (B) Side (C) Midpoint (D) None
15. Congruent figures are _____ in area.
 (A) Same (B) Different (C) Empty (D) None

	A	B	C	D		A	B	C	D		A	B	C	D		A	B	C	D
1	(A)	(B)	(C)	(D)	4	(A)	(B)	(C)	(D)	7	(A)	(B)	(C)	(D)	10	(A)	(B)	(C)	(D)
2	(A)	(B)	(C)	(D)	5	(A)	(B)	(C)	(D)	8	(A)	(B)	(C)	(D)	11	(A)	(B)	(C)	(D)
3	(A)	(B)	(C)	(D)	6	(A)	(B)	(C)	(D)	9	(A)	(B)	(C)	(D)	12	(A)	(B)	(C)	(D)

نوٹ: معروضی سوال نامے کو توجہ سے پڑھیں اور ہر MCQ کی درست آپشن A,B,C,D کو بیچوں 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۔