

TAYARRI

FREE PAST PAPERS

Mathematics (Science)	Ninth Class, 2025 Sargodha Board	Group - I
Time: 20 Minutes	Objective	Marks: 15 Code: 5193

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. Write PAPER CODE, which is printed on this question paper, on the both sides of the Answer Sheet and fill bubbles accordingly, otherwise the student will be responsible for the situation. Use of ink remover or white correcting fluid is not allowed.

1. Congruent triangles are ____.

- (A) Similar ایک جیسی
(C) Non parallel غیر متوازی

- (B) Parallel متوازی
(D) Different مختلف

متماثل مثلثیں ہوتی ہیں۔

2. Congruent figures have ____ area.

- (A) Greater بڑی
(C) Different مختلف

- (B) Same برابر
(D) Smaller چھوٹی

متماثل اشکال رقبہ میں ہوتی ہیں۔

3. The medians of triangle cut each other in the Ratio ____

- (A) 4 : 1
(C) 1 : 1

- (B) 3 : 1
(D) 2 : 1

مثلاً کے وسطانیہ ایک دوسرے کو ____ کی نسبت میں قطع کرتے ہیں

4. Product of [a b] $\frac{2}{-1}$ is

- (A) [-a + 2b]
(C) [2a + b]

- (B) [2a - b]
(D) [a + 2b]

ضرب حاصل [a b] $\frac{2}{-1}$ برابر ہے

5. The value of i^8 is

- (A) 1
(C) i

- (B) -1
(D) -i

i^8 کی قیمت ہے

6. $\log(m)^a$ can be written as ____

- (A) $(\log a)^m$
(C) $a \log m$

- (B) $m \log a$
(D) $\log(am)$

$\log(m)^a$ کو ____ بھی لکھا جا سکتا ہے

7. $(9 - \sqrt{5})(9 + \sqrt{5})$ is equal to ____

- (A) 4
(C) 25

- (B) 81
(D) 76

$(5\sqrt{5} + 9)(5\sqrt{5} - 9)$ برابر ہے

8. Find 'm' so that $x^2 + 4x + m$ is complete square

- (A) 4
(C) 16

- (B) 8
(D) -8

'm' کی کس قیمت کیلئے $x^2 + 4x + m$ کا مکمل مربع بن جائے گا

9. H.C.F of $a^2 - b^2$ and $a^3 - b^3$ is ____

- (A) $a + b$
(C) $a^2 + ab + b^2$

- (B) $a - b$
(D) $a^2 - ab + b^2$

$a^2 - b^2$ اور $a^3 - b^3$ کا عا د اعظم ____ ہے

10. If the capacity "c" of an elevator is at most 1600 pounds, then

- (A) $c < 1600$
(C) $c \leq 1600$

- (B) $c \geq 1600$
(D) $c > 1600$

ایک لفٹ کی بوجھ اٹھانے کی استعداد "c" زیادہ سے زیادہ 1600 پونڈ ہو تو

11. If $y = 2x + 1$, and $x = 2$, then y is ____

- (A) 2
(C) 4

- (B) 3
(D) 5

اگر $y = 2x + 1$ اور $x = 2$ ہو تو y برابر ہے

12. Mid point of the (2, -2) and (-2, 2) is ____

- (A) (2, 2)
(C) (1, 1)

- (B) (0, 0)
(D) (-2, -2)

نقاط (2, -2) اور (-2, 2) کا درمیانی نقطہ ____ ہے

13. A line segment has ____ mid point

- (A) None کوئی نہیں
(C) One ایک

- (B) Two دو
(D) Three تین

ایک لائن کا درمیانی نقطہ ہوتا ہے

14. Diagonals of a parallelogram divides the parallelogram into two ____ triangles

متوازی الاضلاع کا کوئی ایک وتر اسے دو ____ مثلثوں میں تقسیم کرتا ہے

(A) Congruent متماثل
(C) Scalene مختلف الاضلاع

(B) Different مختلف
(D) Non-Congruent غیر متماثل

15. A quadrilateral having each angle 90° is called _____

(A) Parallelogram متوازی الاضلاع
(C) Trapezium ذوزنقہ

(B) Rectangle مستطیل
(D) Rhombus معین

چوکور جس کا ہر زاویہ 90° کا ہو _____ کہلاتا ہے

Notes on this transcription

- **Subjective paper not included.** Only the objective half of this paper was available. Send the subjective sheet and it can be added.
- Typeset by Tayarri from the printed 2025 Sargodha Board paper (original board sheet). Question wording, numbering and option order follow the source exactly. No answer key is included.
- The source prints the objective as a grid with the option columns running (D) (C) (B) (A) right-to-left. The options are set here in A-D order; the lettering of each option is unchanged.
- This is a bilingual board paper: each item is printed in English and Urdu. The Urdu column here is a reconstruction typeset in Nastaliq, not a glyph-level verified transcription, and the Urdu text layer is not searchable. A native reader should proof it before it is relied on.