

# ▶ MATHEMATICS BRIDGE COURSE TEST

ಸೇತುಬಂಧ  
ಒಂದು ಮಾರ್ಗದರ್ಶಿ

BRIDGE COURSE  
THE GUIDE



# 2023

## Bridge course Test



**Prepared by:**

**T.SHIVAJI**

**MMDRS, HARAPANAHALLI TOWN**

**VIJAYANAGARA DIST**

**Mob.9916142961**



# **MATHEMATICS (E.M)**

## **BRIDGE COURSE TEST-2023**

**T.SHIVAJI, MMDRS Harapanahalli town, Vijayanagara dist,  
Mobile.9916142961**

# Learning competencies

Class : 10<sup>th</sup> std.

Subject : Mathematics

---

1. To know about numbers.
2. Concept of Euclid's geometry.
3. Concept of quadrilaterals.
4. To construct the triangles.
5. To calculate the area of triangle by using Heron's formula.
6. To understand the concept of coordinate geometry.
7. To know about concept of circles and its properties.
8. To calculate the area and volumes of different geometrical solids.
9. Concept of probability.
10. To understand the concept of statistics, frequency polygon.

# **BRIDGE COURSE PRE TEST -2023**

Class : 10<sup>th</sup> std.

Subject : Mathematics

Date:

No.of questions: 20

---

1. Find any two rational numbers between 4 & 5.
2. The R.F value of  $\sqrt{x}$  is .....
3. State Euclid's 1<sup>st</sup> postulate.
4. Draw an example for Euclid's 3<sup>rd</sup> postulate.
5. What is quadrilaterals?.
6. What is rhombus?.
7. Construct a triangle ABC in which BC=5cm, and AB+AC=7cm.
8. Construct a quadrilateral ABCD in which AB=3cm,  $\angle B=120^\circ$ , AD=5cm and one of its diagonal is 8cm.
9. Find the area of triangle when its base is 10cm and height is 5cm.
10. Find the area of triangle when three sides of it is 10cm, 12cm & 18cm.
11. How many quadrants comes in the Cartesian.
12. The point(-1, 8) lies in ..... quadrant.
13. How many tangents can be drawn from an external point to the circle?.
14. The biggest chord in a circle is .....
15. Find the volume of cylinder when its height is 4cm and radius is 7cm.
16. Find the total surface area of cube, its side is 6m.
17. Find the probability of getting head when coin is tossed.
18. The probability of an sure event is .....
19. In the given data, find the range.  
12, 5, 6, 8, 18, 16, 7, 9, 6, 2, 0, 20, 16.
20. Draw distribution table for the above data.

# **BRIDGE COURSE POST TEST -2023**

Class : 10<sup>th</sup> std.

Subject : Mathematics

Date:

No.of questions: 20

---

1. Show that  $\sqrt{2}$  on number line.
2. Simplify by rationalizing denominator  $\frac{2}{\sqrt{3}}$
3. State Euclid's 3rd postulate.
4. Draw an example for Euclid's 2<sup>nd</sup> postulate.
5. The sum of the interior angles of quadrilateral is..... .
6. What is parallelogram?
7. Construct a right angled triangle, in which its base is 5cm and height is 7cm.
8. Construct a triangle in which its base is 8cm and vertex angle is 60°.
9. Write Heron's formula
10. Find the area of triangle in which its perimeter is 42cm, two sides of it 10cm & 18cm.
11. Find any two solutions for  $x+y=5$ .
12. What is origin?
13. What is diameter of circle?
14. If two times the radius then it's called as..... of the circle.
15. Find the volume of cone when its height is 6cm and diameter of its base is 14cm.
16. Find the LSA of cuboid,  $l=10m$ ,  $b=5m$  &  $h=4m$ .
17. The probability lies between the numbers ..... & .....
18. Find the probability of getting at least one Head when two coins is tossed simultaneously.
19. In the given data, construct distribution table as 0-2, 2-4 .....  
0.02, 2.01, 3.2, 0.25, 1.5, 2.6, 2.9, 3.6, 6.32, 4.5, 3.5, 7.2, 6.3.
20. Draw frequency polygon for the given data.

C.I	0-10	10-20	20-30	30-40	40-50
f	5	15	18	13	16

## Bridge course test – Result analysis

Subject: Mathematics

Class : \_\_\_\_\_

Sl no	Name of the student	Test	Abilit y1		Abilit y2		Abilit y3		Abilit y4		Abilit y5		Ability 6		Ability 7		Ability 8		Ability 9		Ability 10		A	B	Is student comes under remedial?
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20			
1		Pre																							
		Post																							
2		Pre																							
		Post																							
3		Pre																							
		Post																							
4		Pre																							
		Post																							
5		Pre																							
		Post																							
6		Pre																							
		Post																							
7		Pre																							
		Post																							
8		Pre																							
		Post																							
9		Pre																							
		Post																							
10		Pre																							
		Post																							
11		Pre																							
		Post																							

12	Pre																					
	Post																					
13	Pre																					
	Post																					
14	Pre																					
	Post																					
15	Pre																					
	Post																					
16	Pre																					
	Post																					
17	Pre																					
	Post																					
18	Pre																					
	Post																					
19	Pre																					
	Post																					
20	Pre																					
	Post																					
21	Pre																					
	Post																					
22	Pre																					
	Post																					

Subject teacher

Principal/Head master

**List of students which are comes under remedial teaching**

**Subject : Mathematics**

**Class:**

Sl no	Name of the student	Performance in the month						Overall performance
		July	August	September	October	November	December	
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								



# **Action plan for remedial teaching**

**Class : 10<sup>th</sup> std**

**Subject : Mathematics**

Sl no	Ability	Activity	Allotted period	Result
1	To know about numbers.			
2	Concept of Euclid's geometry.			
3	Concept of quadrilaterals.			
4	To construct the triangles.			
5	To calculate the area of triangle by using Heron's formula.			
6	To understand the concept of coordinate geometry.			
7	To know about concept of circles and its properties.			
8	To calculate the area and volumes of different geometrical solids.			
9	Concept of probability.			
10	To understand the concept of statistics, frequency polygon			

**NOTE:**

**Dear teachers, If you want any change you can make it.**

