



# Navyug Public School Belgaum

13, Saganmatti, Shindoli Road,

Belgaum, 591124

**SHAKTI VEER**

# Performance Report

## LOA 1 POLYNOMIALS

Teacher **Rahul Mehra**

Class **9-B**

Subject **Mathematics**



**Fingertips**



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Introduction

- About the test
- Topics included in test

LOA 1 POLYNOMIALS

Test start date - 03 Aug 2022 15:40PM

TEST FROM

- Class 9
- Mathematics
- Polynomials

B4

STUDENT  
SHAKTIVEER

RM

TEACHER  
Rahul Mehra



CLASS  
9-B



TOTAL STUDENTS IN CLASS  
33



TEST WAS AVAILABLE FOR  
20 minutes



TOTAL QUESTIONS  
10



TIME ALLOTTED FOR TEST  
20 Minutes



MAXIMUM POINTS  
489



QUESTION TYPE  
Testing

## Introduction

- About the test
- Topics included in test

The included topics in test had following mix of questions as per degree of difficulty

LEVELS ● Easy ▲ Medium ■ Hard ◆ Competitive



CHAPTER NUMBER	CHAPTER NAME	TOPICS INCLUDED	NUMBER OF QUESTIONS					MAX POINTS
			●	▲	■	◆	TOTAL	
01	Polynomials	Overview	1	0	3	1	5	325
		Polynomials In One Variable	0	1	0	0	1	49
		Remainder Theorem	2	2	0	0	4	115



## Historic test record

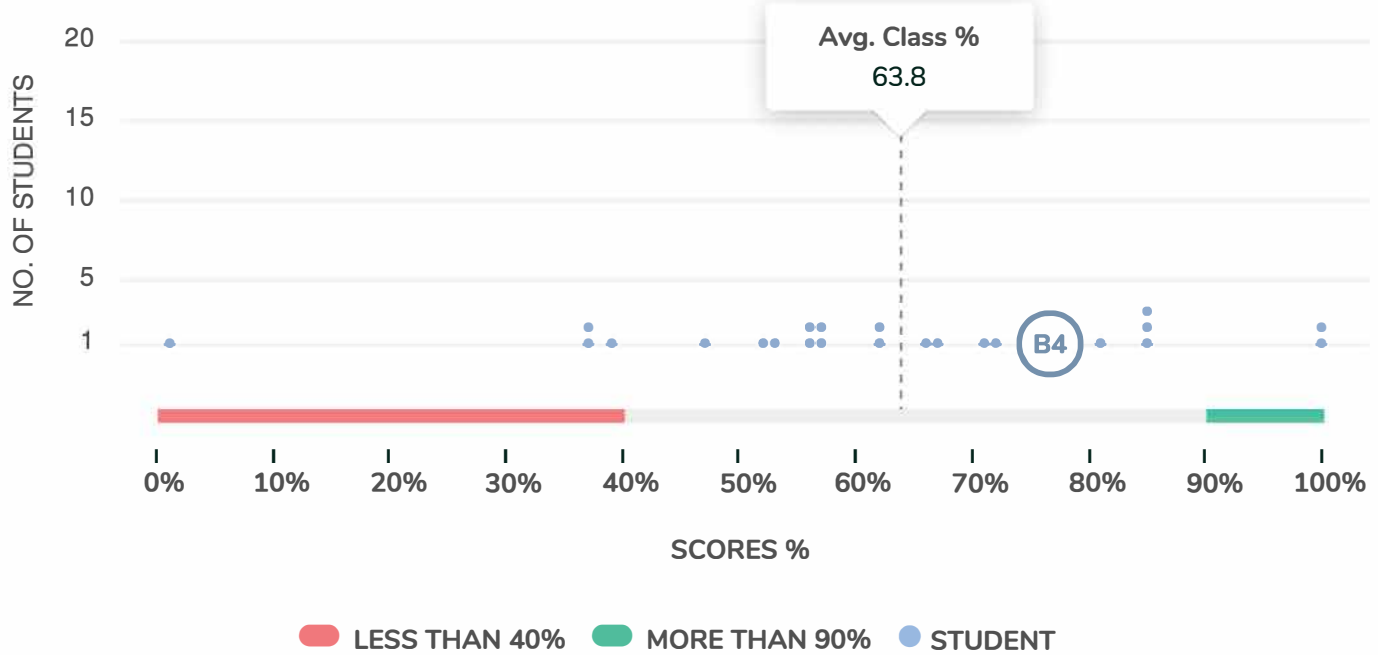
STUDENT SHAKTI VEER

S.NO.	DATE	NAME OF TEST	CLASS	SUBJECT	CHAPTERS
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## Performance of student in the class

### SHAKTI VEER performance in the class



POINTS OBTAINED  
373 / 489

PERCENTAGE  
76.3

PERCENTILE  
76th

AVG. CLASS POINTS  
312 / 489

#### CONCEPTS TESTED

##### Polynomials

- Overview
- Polynomials In One Variable
- Remainder Theorem

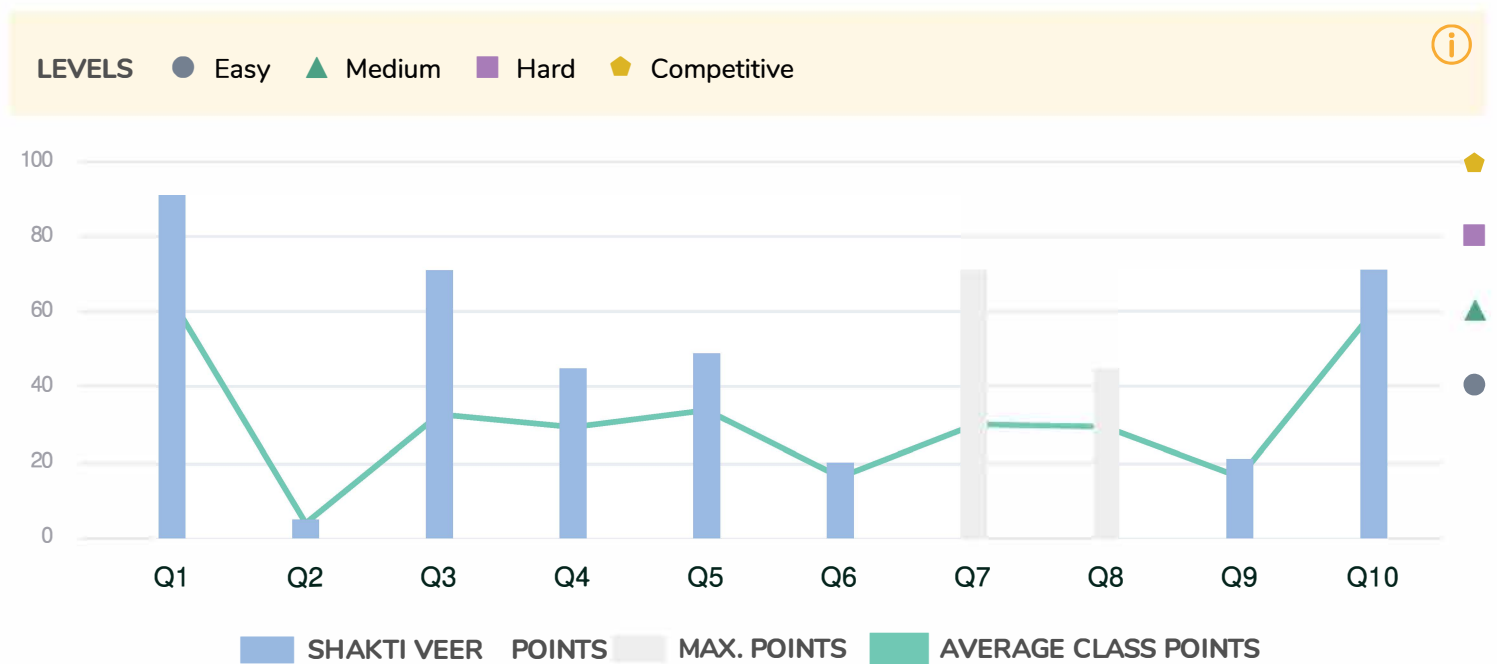
## Class Performance Evaluations

### Question Wise Performance

### Topics Wise Performance

The performance of the student, in every question of the test is as shown in graph below. The height of the bar indicates the maximum points for that particular question and depicts the degree of difficulty of the questions. The shaded portion indicates the proportion of the class that got the answer right.

Note: Same questions are attempted by every student, though the order in which they appear is randomized for every individual student.



This table shows the details of student performance in every question.

QUESTION NOS.	1	2	3	4	5	6	7	8	9	10
LEVEL	◆	●	■	▲	▲	●	■	▲	●	■
POINTS	91	5	71	45	49	20	71	45	21	71
SHAKTI VEER response	✓	✓	✓	✓	✓	✓	✗	✗	✓	✓
SHAKTI VEER points	91	5	71	45	49	20	0	0	21	71
Average class points	63	4	32.8	29.4	33.9	16.2	30	29.4	16.2	60.1
Correct rate (Class level)	69.2	80.8	46.2	65.4	69.2	80.8	42.3	65.4	76.9	84.6

Details of all questions and answers can be seen in annexure to the report.



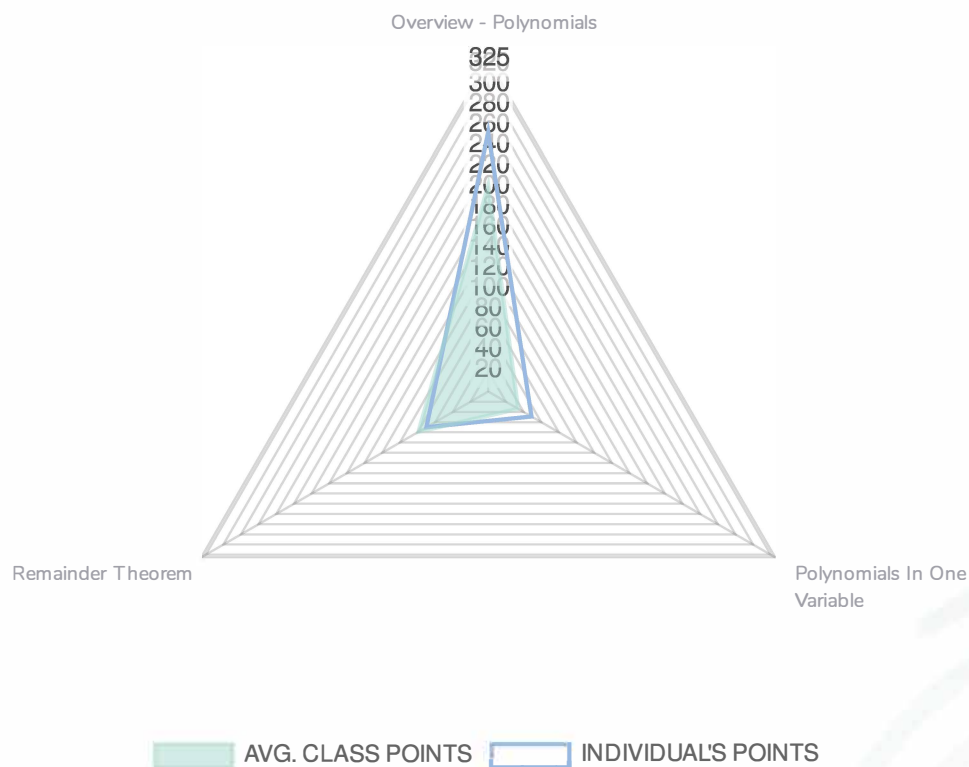
## Class Performance Evaluations

- Question Wise Performance
- Topics Wise Performance

The following topics were tested in this test and the performance of the class in every topic is tabulated below.

TOPICS	QUESTIONS	MAX POINTS	INDIVIDUAL'S POINTS	AVG. CLASS POINTS
Overview - Polynomials	5	325	254	202
Polynomials In One Variable	1	49	49	33.9
Remainder Theorem	4	115	70	79

The student performance can be visualized in the following topic performance net. The light green shaded portion shows the maximum points percentage in every topic included in this test.





## Test - Questions and Answers

01

02

LEVELS ● Easy ▲ Medium ■ Hard ◆ Competitive MAX POINTS ↑ TOPIC □

UNIVERSAL CORRECT RATE ↕ is calculated on basis of all the responses received till date for the question.



Q. 01/10

Overview ◆ ↑ 91 ↕ 69.2%

The zero of  $p(x) = 3x - 5$  is

- A  18 ✓
- B  7 ✗
- C  1 ✗
- D

Q. 02/10

Remainder Theorem ● ↑ 5 ↕ 80.8%

The remainder when  $81x^{1857} + 81$  is divided by  $x + 1$  is \_\_\_\_\_

- A  21 ✓
- B
- C  2 ✗
- D  2 ✗

Q. 03/10

Overview ■ ↑ 71 ↕ 46.2%

If  $(a/b) + (b/a) = -1$  then  $a^3 - b^3$  is equal to

- A  2 ✗
- B  12 ✓
- C  1 ✗
- D  7 ✗

Q. 04/10

Remainder Theorem ▲ ↑ 45 ↕ 65.4%

The value of  $m$ , in order that  $x^2 - mx - 2$  is the quotient when  $x^3 + 3x^2 - 4$  is divided by  $x + 2$ , is

- A  17 ✓
- B  2 ✗
- C  3 ✗
- D  1 ✗



## Test - Questions and Answers

01 02

Q. 05/10

Polynomials In One Variable ▲ ↑ 49 ↕ 69.2%

Find the coefficient of  $x^0$  in  $2x^3 + 7x^2 + 6x + 5$ .

- A 2 1 ✕ B 7
- C 6 6 ✕ D 5 18 ✓

Q. 06/10

Remainder Theorem ● ↑ 20 ↕ 80.8%

Find the value of  $k$ , if  $x - 1$  is factor of  $P(x)$  and  $P(x) = 3x^2 + kx + \sqrt{2}$ 

- A  $-2 - \sqrt{2}$  2 ✕ B  $-3 - \sqrt{2}$  21 ✓
- C  $3 - \sqrt{2}$  2 ✕ D None of these 1 ✕

Q. 07/10

Overview ■ ↑ 71 ↕ 42.3%

Value of the remainder when  $4x^3 - 3y^2 - 5y + 1$  is divided by  $2y + 3$  is ?

- A 47/4 6 ✕ B -47/4 11 ✓
- C zero 1 ✕ D 51/6 2 ✕

Q. 08/10

Remainder Theorem ▲ ↑ 45 ↕ 65.4%

The function  $f(x) = x^3 - 6x^2 + ax + b$  where  $a$  and  $b$  are constants is exactly divisible by  $(x - 3)$  and leaves a remainder of  $-55$  when divided by  $(x + 2)$  The value of  $a$  and  $b$  is \_\_\_\_\_

- A  $a = -10, b = 3$  2 ✕ B  $a = 10, b = 3$  1 ✕
- C  $a = 10, b = -3$  17 ✓ D  $a = -10, b = -3$  1 ✕



## Test - Questions and Answers

01

02

03

Q. 09/10

Overview • ↑ 21 ↓ 76.9%

If  $x + 1$  is a factor of  $ax^3 + x^2 - 2x + 4a - 9$ , then the value of  $a$  is?

A

3

2 ✕

B

2

20 ✓

C

-2

2 ✕

D

-4

Q. 10/10

Overview ■ ↑ 71 ↓ 84.6%

Factors of  $49a^2 + 70ab + 25b^2$  are

A

 $(7a + 5b)(7a - 5b)$ 

B

 $(7a + 5b)(7a + 5b)$ 

22 ✓

C

 $(7a - 5b)(7a + 2b)$ 

D

 $(7a - 5b)(7a - 5b)$ 

3 ✕



# Thank You

**End of report**



**Fingertips**