



**BLDEA's  
JSS College of Education,  
Vijayapur**

## **Criterion 2 - Teaching-learning and Evaluation**

**2.2.3: There are institutional provisions for catering to differential student needs; Appropriate learning exposures are provided to students**

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<b>1</b>	<b>Report of institutional provisions for catering to differential student needs- Appropriate learning exposures are provided to students</b>
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**VIJAYAPUR-586 101**

**BACHELOR OF EDUCATION**

Year: 2015-16

**MATHEMATICS PROJECT WORK**

**ON PROBABILITY**

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# PROBABILITY



- Probability is a measure of how likely an event is to occur.
- For example –
  - Today there is a 60% chance of rain.
  - The odds of winning the lottery are a million to one.
  - What are some examples you can think of?

  
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**MATHEMATICS PROJECT WORK**

**ON TRIANGLE**

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## Interior and Exterior of Triangle

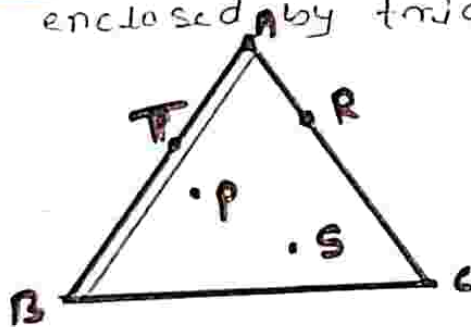
In triangle ABC there are 3 points.

Interior region  $\rightarrow$  The points lie inside the region enclosed by triangle.

on the sides  $\rightarrow$  The points lie on the side of triangle

Exterior region  $\rightarrow$  The points lie outside the region enclosed by triangle.

Ex  $\rightarrow$



Triangular region  $\rightarrow$  The interior of  $\Delta ABC$  together with the  $\Delta ABC$  itself is called the triangular region ABC.

## Types of triangle

There are 6 types of  $\Delta$ s

- 1) Equilateral triangle
  - 2) Isosceles triangle
  - 3) Scalene triangle
  - 4) Right angled triangle
  - 5) obtuse triangle
  - 6) Acute triangle
- } oblique

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**MATHEMATICS PROJECT WORK**

**ON POLYGONS**

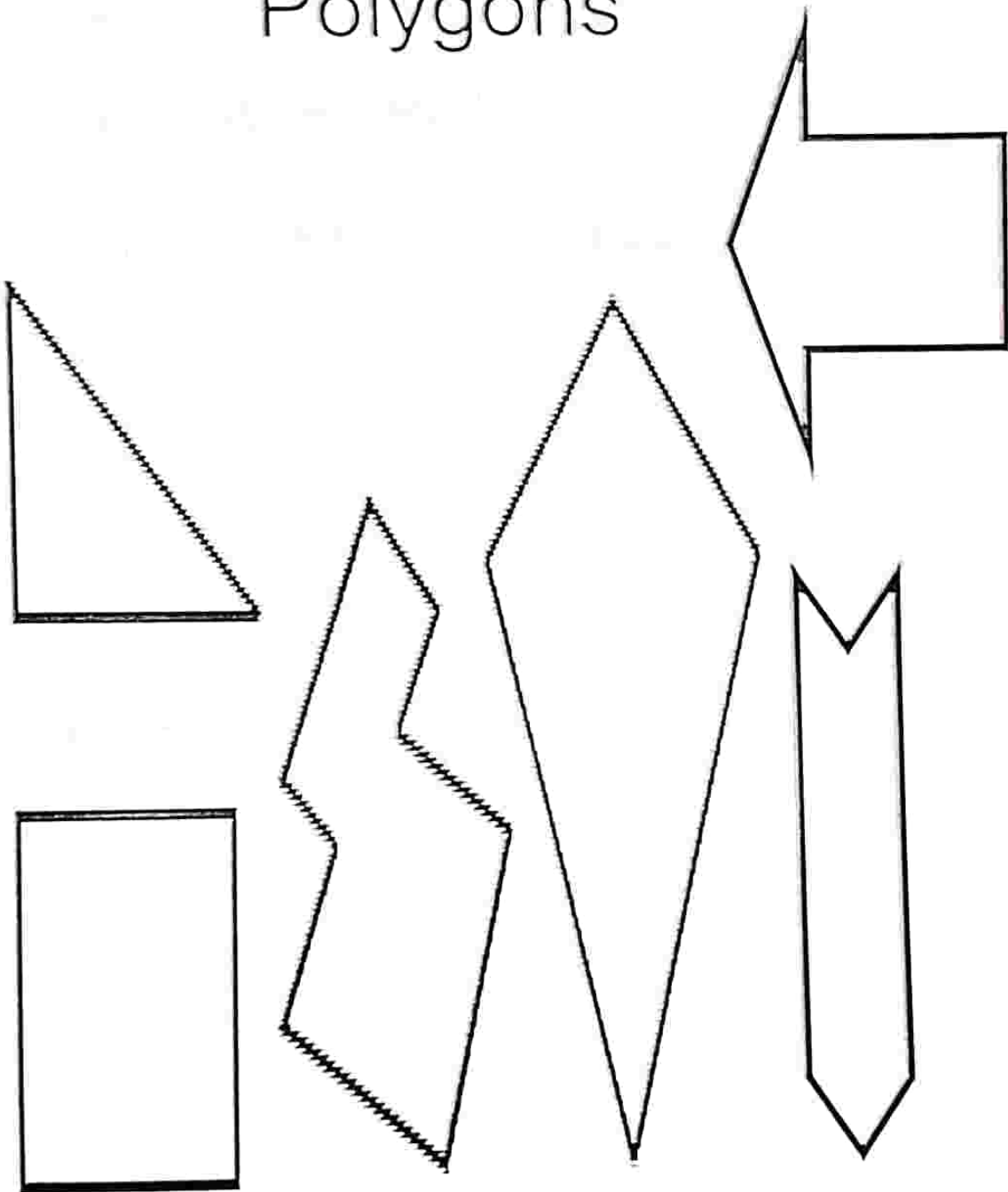
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# Examples of Polygons



Polygons

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Mathematics project on  
triangles


By:shrikant.b.sutar

B.Ed first semester

Roll No- 92

2015 – 2016

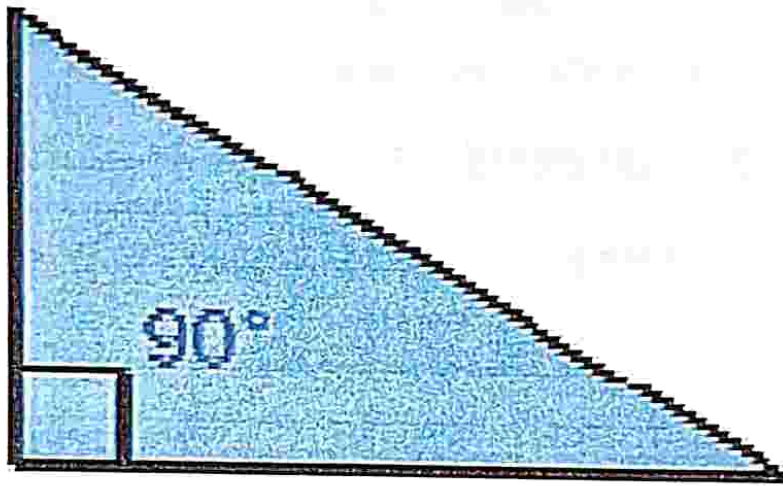
  
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## Two Types

There are two types of right angled triangle:




Scalene right angled triangle

One right angle

Two other **unequal** angles

No equal sides

  
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**MATHEMATICS PROJECT WORK**

**ON STATISTICS**

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# Basics of Statistics

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**Definition:** Science of collection, presentation, analysis, and reasonable interpretation of data.

Statistics presents a rigorous scientific method for gaining insight into data. For example, suppose we measure the weight of 100 patients in a study. With so many measurements, simply looking at the data fails to provide an informative account. However statistics can give an instant overall picture of data based on graphical presentation or numerical summarization irrespective to the number of data points. Besides data summarization, another important task of statistics is to make inference and predict relations of variables.



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**MATHEMATICS PROJECT WORK**


**ON GROUPS AND SUBGROUPS**

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## Groups and Subgroups

### Definition

A *group* is a nonempty set  $G$  on which there is defined a binary operation  $(a, b) \rightarrow ab$  satisfying the following properties.

*Closure:* If  $a$  and  $b$  belong to  $G$ , then  $ab$  is also in  $G$ ;

*Associativity:*  $a(bc) = (ab)c$  for all  $a, b, c \in G$ ;

*Identity:* There is an element  $1 \in G$  such that  $a1 = 1a = a$  for all  $a$  in  $G$ ;

*Inverse:* If  $a$  is in  $G$ , then there is an element  $a^{-1}$  in  $G$  such that  $aa^{-1} = a^{-1}a = 1$ .

A group  $G$  is *abelian* if the binary operation is commutative, i.e.,  $ab = ba$  for all  $a, b$  in  $G$ . In this case the binary operation is often written additively  $((a, b) \rightarrow a + b)$ , with the identity written as  $0$  rather than  $1$

**Definitions** A *subgroup*  $H$  of a group  $G$  is a nonempty subset of  $G$  that forms a group under the binary operation of  $G$ . Equivalently,  $H$  is a nonempty subset of  $G$  such that if  $a$  and  $b$  belong to  $H$ , so does  $ab^{-1}$ . (Note that  $1 = aa^{-1} \in H$ ; also,  $ab = a((b^{-1})^{-1}) \in H$ .)

## Introduction

What is a group?

Definition 1.1: If  $G$  is a nonempty set, a *binary operation*  $\mu$  on  $G$  is a function  $\mu : G \times G \rightarrow G$ . For example  $+$  is a binary operation defined on the integers  $Z$ . Instead of writing  $+(3, 5) = 8$  we instead write  $3 + 5 = 8$ . Indeed the binary operation  $\mu$  is usually thought of as

  
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**MATHEMATICS PROJECT WORK**

**ON QUADRILATERALS**

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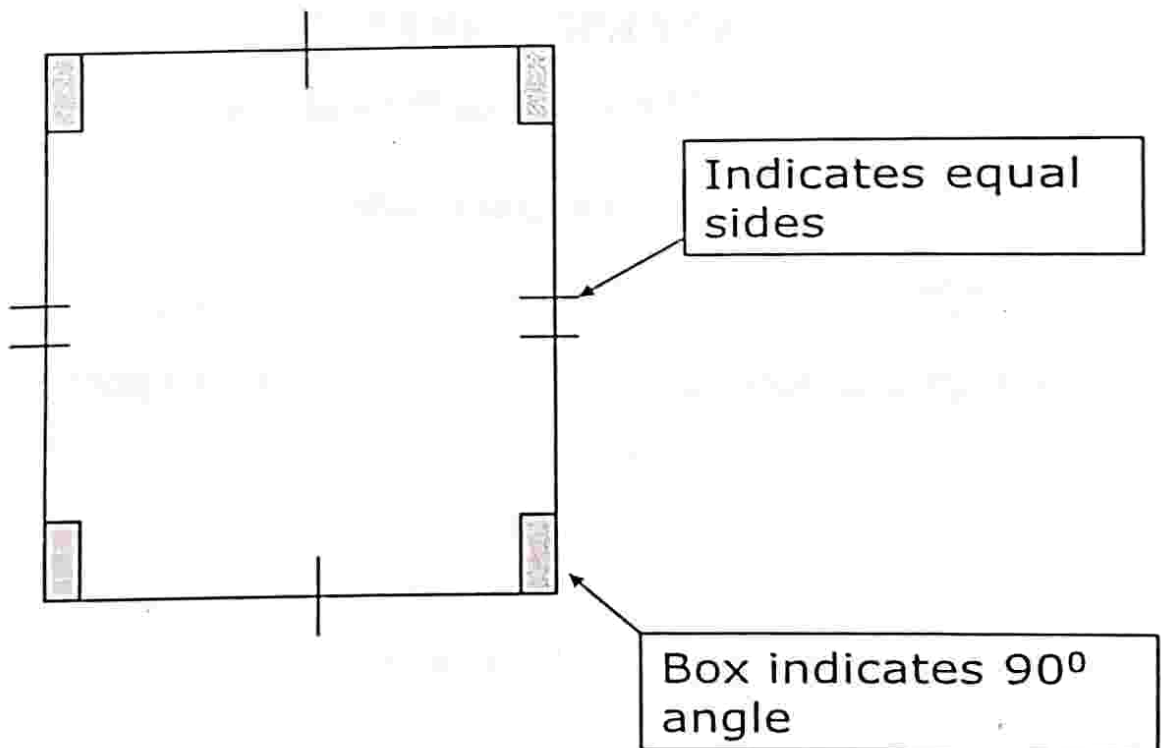
  
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# Types of Quadrilaterals

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- **Rectangle:** Quadrilateral with two pairs of equal sides and four right angles (90 degrees)



  
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**MATHEMATICS PROJECT WORK**

**ON NUMBERTHEORY**

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**MATHEMATICS PROJECT WORK**

**ON INTRODUCTION TO SET THEORY**

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**MATHEMATICS PROJECT WORK**

**ON POLYGON**

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Roll No.: 90 Semester : I<sup>st</sup>

Subject : .....

Assignment / Gr. Activity: Covid Pandemic

Guidance by Dr. J.S. Padmshree

Signature of the candidate

Signature of the  
Staff incharge

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HOW TO MANAGE EMOTIONAL BALANCE DURING COVID-19  
PANDEMIC. LOCKDOWN


Project - Reducing Emotional Distress

Group members' Name :

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2. Priyanka .Kamaldinhi
3. Asha . Benur.
4. Preeti . Salawadagi

GUIDANCE :   
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Group Activity On -  
How to manage emotional balance  
during covid-19 pandemic lockdown

Chapter - 01: Addressing Basic Needs

Team members:

01. Supriya Kotawali
02. Chaitra Balawat
03. Aishwarya Vibhuthimath.
04. Pooja Wagamoshe
05. Akshata Malaji

Under the guidance:  **Dr. J. S. Pattanashetti**

  
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02.	Priya. Patil	91	1, 2
03.	Soumya . S. Patil	93	3, 4
04.	Supriya . S. Kodaivali	73	9
05.	Sudhasani . S, Raltal	96	5
06.	Sushmita , S. Heliwali	75	11, 12
07.	Chaitra , Balawat	96	8
08.	Vijaylaxmi , B. Madagi	97	15.
09.	Mahadish . Makledne	85	13, 14
10.	D. R. Hanamakai	55	10

  
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PROJECT WORK

GUIDANCE → Dr. J.S. Pattanshetti

Topic → Evaluation of NCERT 9<sup>th</sup> Science  
Textbook by Hunter's Score  
Card Method.

  
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- 2) Chaitra Balawat [vice captain]
- 3) Laxmi Rathod
- 4) Almas Hachyal
- 5) Supriya Kotawali
- 6) Soniya Aurti
- 7) Pooitra Chousi
- 8) Shankramma Awati


Research topic name:

Impact of Science And Technology on  
Academic Achievement of Students.

Guidence by : Dr. J.S. Pattanashetti nam.



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Albert Einstein


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2. Manjula Pattanshetti
3. Sudhasani Rattal
4. Priyanka Kamaladinni
5. Soumya Bhavikatti
6. Kavasi Naik
7. Sudha Patil.

Group leader - Akshata Malaji

Assistant leader - Sudha Patil.

  
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