

Lesson plan on pedagogy-2 (mathematics) in **FIVE 'E' MODEL APPROACH**

What teacher does	What the students should do
1. <u>ENGAGE</u> Teacher greets the students. Teacher gives certain basic instruction in the class to follow. Tr starts the class by showing some pictures and asks them to identify what it look alike. Tr asks what we call in maths group of things in maths ? So we call it as sets. What call it as ? TOPIC DECLARATION: Soin todays class we are	Students greets the students. Students listens and follows it. Observes and tells it is a picture. Partial answer sets

going to study about
sets.....

Now the teacher shows
another picture and asks
them to interpret.

So what we call them as
in maths??

GOOD

Similarly tr shows the
3rd picture and asks
them to interpret??

GOOD.

2. **EXPLORE**

Tr poses question to the
students to find a
relationship between
sets?

So the teacher tells let
us find the relationship
through group activity
and instructs them to
form a group of 4
members in each.

Teacher gives 3

observes

objects are together and
called as union.

Objects are taken
common it is called
intersection.

NO response

students listens and
forms the group.

examples and tells them to fill in the question?

(PPT)

examples are as :

1. $A=(1, 2,3,4)$

$B=2,4,6,8,10)$

2. $A=(11,15,17,19)$

$B=(15,20,25)$

3. $A=(1,2,3,4)B=(4)$

then asks them to find out a) number elements in the each set

b) Number elements after union?

c) number of elements after intersection?

3.EXPRESS

The teacher instructs the students to stop the activity asks them to express their views about questions..

The one by one they fill the tabular column .

Students start answering the question.

Students answer all these questions

stops the activity and express their views

The teacher instructs the students to observe the tabular column and give the generalisation.

What did you observe??
teacher asks did find any relationship between them?

What is that relation??

GOOD

so you came to know the relationship?

4. **EXPAND**

Tr gives one problem to solve .

Q: There is bouquet of flowers where 75 flowers are red , 70 flowers are yellow coloured , and 45 are both coloured what is the total number flowers??

students observe.

Partial answer

yes

$$n(A)+n(B)=n(A \cup B) + n(A \cap B)$$

yes mam

students solve the problem

5. EVALUATE

Question:

If A and B are two sets
such that

$n(A)=27, n(B)=35$
and $n(A \cup B)=50$. find
 $n(A \cap B)$.

students attempt to
solve the problem and
give the answer.

HOME ASSIGNMENT

Find the relationship
between sets by taking
the values of each set of
your own choice.