

ACTIVITY - 7

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Preparing two types of Assessment tests - Formative, Summative type of tests.

Part-A

Formative Assessment :-

Assessment that take place continuously during the course of teaching and learning to provide teachers and students with feedback to close the gap between current learning & desired goals.

* A systematic process to continuously gather evidence and provide feedback about learning while instruction is underway.

Characteristics of Formative Assessment :

- * provides the students with on his progress or gain.
- * Must be continuous starts with comment of program until the time to complete it.
- * Informs students about extent of learning needs to reach the education objectives.
- * Enables learning activities to be adjusted in accordance with progress made or lack of it.

* Focus on learning Goals.

* Sharing clear learning Targets and criteria for success.

Uses of Formative Assessment :-

* It helps to develop self-Assessment and learning Management skills.

* It Reduce feelings of isolation and Impotence, especially in large classes.

* Increases Student motivation and Engagement.

* Clarifies learning goals for both teachers and students.

* Allow students to focus their attention most productively.

C.C.E Model for Formative Assessment, Weightage

Tables :

Weightage Table for Academic standards :-

S.NO	Academic Standards	NO: of questions	Marks Alloted	percentage

Weightage to form of Questions:

In this way different questions and the format is in this process.

S.NO	Type of Questions	NO: of Questions	Marks	percentage	Remarks

Preparation of Blue print:

Questions paper is designed according to their objectives and Academic standards and the patters that can be followed.

S.No	Academic Standards	Very short Answers	Short Answer	Essay	Objective	Weightage	Marks

Summative Assessment :-

Summative Assessment focus on what the student has learned at the end of a unit of instruction or at the end of a grade level.

* Summative Assessment purpose is to let the teachers and students know the level of accomplishment attained.

Characteristics of Summative Assessment :-

* The instruction was given after the completion.

* It helps to determine what students know regarding content selective to curriculum goals so that a grade can be decided.

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* Accompanied by Multiple opportunities for feedback from course facilitator and peers.

* It should be worked on Throughout the course.

* It is done Formally.

* Teacher will provide opportunities to the students.

* To Educational Objectives the importance was given and concentrated on it.

* By Giving Ranks, Grades students will be motivated.

Uses of Summative Assessment :-

* It determines the Achievement of a candidate.

* Ideal for Keeping Academic Records for future.

* Identifies Gap in a candidate's learning.

* Motivates Individuals for self Improvement.

* Necessary for determining student grades and placement.

* Promotes Teacher and Student Accountability.

part-B

Introduction:-

I am p. Sravani studying B.Ed 2nd year in R.V.R.R college of Education - As a part of the activity in Mathematics I have prepared two different Assessment papers. By the below process I have prepared papers and the questions are given in this format.

Mathematics - Formative Assessment
Model papers
Weightage Tables

Table-I:

Weightage to Academic standards

S.No	Academic standards	No:of Questions	Marks Alloted	percentage
1.	Problem Solving	4	12	60
	Reasoning & Proof	3	2	10
	Communication	4	3 1/2	17.5
	Connection	1	1	5
	Visualization & Representation	2	1 1/2	7.5%
	total	14	20	100%

Formative Assessment

choose the correct Answer:

$$6 \times \frac{1}{2} = 3M$$

1. What is the perimeter of a square? ()
a, $3s$ b, $4s$ c, s d, $7s$.
2. What is the Area of a square? ()
a, $s \times s$ b, $l \times s$ c, $s \times b$ d, $h \times s$.
3. The amount of a surface enclosed by a closed figure is called it's _____ ()
a, perimeter b, Area c, length d, Diameter.
4. The ratio of two quantities a & b can be given by ()
a, $\frac{a}{b}$ b, a is to b c, a by b d, $a : b$.
5. Equality of ratios is called _____ ()
a, Ratio b, proportion c, Ratio and proportion
d, Equal and ratios.
6. perimeter of a Rectangle _____ ()
a) $2(l+b)$ b, $2(l \times b)$ c, $2+(l+b)$ d, $2l+b$.

II. Answer the following questions:

$$3 \times 1 = 3M$$

1. What is the amount of surface enclosed by a closed figure?
2. What will happen to the area of a square if its side is:
i, doubled ii, halved.

3. Write 16:20 in to simplest form?

Answer the following questions:

$18 \times 4 = 72$

Rafi had 16 red marbles and 4 blue marbles. Find the ratio of red marbles to blue marbles Rafi has?

Define proportion?

Find the Area of a square with side 26 cm?

Answer the following questions:

$2 \times 4 = 8$

The perimeter of a rectangle and a square are same. If the length and breadth of the rectangle are 35 cm and 25 cm respectively. Find which figure has greater area and by how much?

2. If the cost of 6 bottles of juice is Rs. 210/- then what is the cost of 4 bottles of juice?

b) Weightage of questions.

S.No	Type of Question	Unit Mark	No: of Questions	Marks Alloted	Percentage
1.	Objective Answer (OA)	0.5	6	3	15%
2.	Very short Answer (VSA)	1	3	3	15%
3.	Short Answer (SA)	2	3	6	30%
4.	Essay Answer (EA)	4	2	8	45%
		total	14	20	100%

Blue print for Formative Assessment

S.NO	Academic standard	Objective Q(M)	V.S.A Q(M)	S.A Q(M)	E.A Q(M)	total	%
1.	Problem Solving			2(2)	2(4)	$\frac{8+4}{12}$	60%
2.	Reasoning & proof	2(1/2)	1(1)			2	10%
3.	Communication	3(1/2)		1(2)		3 1/2	17.5%
4.	Connection		1(1)			1	5%
5.	Visualization	1(1/2)	1(1)			1 1/2	7.5%
	total	6(1/2)	3(1)	3(2)	2(4)	20	100%

Mathematics - Summative Assessment

Weightage tables for S.A. papers.

Table-1 : Weightage table for Academic standards :

S.NO	Academic Standards	No. of questions	Marks Allotted	Percentage
1.	Problem solving	11	16	40%
2.	Reasoning and proof	6	8	20%
3.	communication	5	4	10%
4.	connection	6	6	15%
5.	Visualization & Representation	4	6	15%
	Total	33	40	100%

Blueprint for Summative Assessment

S.No	Academic Standards	V.S.A (0)	S.A (1)	Essay (4)	Objective (%)	Weg. (%)
1.	Problem solving	1(1)	2(2)	2(4)	6(1%)	10%
2.	Reasoning & proof		1(2)	1(4)	4(1%)	10%
3.	Communication	2(0)			4(1%)	10%
4.	Connection		2(2)		4(1%)	10%
5.	Visualization & Representation	1(1)		1(4)	2(1%)	16%
	Total	4(1)	5(2)	4(4)	20(1%)	100%

Ch. Jalendra Kumar

Summative Assessment

Part-A

class - 10

Marks: 30

Section-I

Answer the following questions:

4x1=4M

1. Find two rational numbers between $-\frac{2}{3}$ and $\frac{1}{4}$.
2. Give two examples for polynomials of degree 5.
3. What is conjecture? Give an example.
4. Represent $-\frac{8}{5}$ on number line?

Section-II

5x2=10M

Answer the following questions:

5. Simplify $4\sqrt{81} - 3\sqrt[3]{243} + 5\sqrt[4]{625}$.
6. If 3 is a zero of the polynomial $x^2 - 2x - a$ find the value of 'a' and the other zero.
7. If a point Q lies between point P and R such that $\overline{PQ} = \overline{QR}$. prove that $\overline{PQ} = \frac{1}{2} \overline{PR}$.
8. Give possible values for length and breadth of the rectangle whose area is $25a^3 - 35a + 12$.
9. Find the area of the triangle whose base and altitude are $3+\sqrt{3}$ and $3-\sqrt{3}$.