नाशिक ग्रामीण शिक्षण प्रसारक मंडळ संचलित
ब्रह्मा व्हॅली शिक्षणशास्त्र महाविद्यालय
अंजनेरी, नाशिक- ४२२ २१३
ID. No.: PU/NS/B.Ed./104/2007
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बी.एड्. प्रथम वर्ष : २०21 - २०22

Course 104

PRACTICAL WORK (प्रात्यक्षिक कार्य)

ASSESSMENT & EVALUATION FOR LEARNING
(अध्ययनासाठी मूल्यांकन आणि मूल्यमापन)

छात्राध्यापकाचे नांव : Pratiksha Anil Sable

हजेरी क्रमांक : 40

Checked
RBhagat
13/8/22

प्रात्यक्षिक कार्य : **Developing an achievement test with its Blue Print, Answer Key & Marks Distributio**
(त्रिमितीपत्रक, उत्तरसूची व गूण विभागणीसह संपादणूक चाचणीचे विकसन)

मार्गदर्शक प्राध्यापक : Prof. Rabab Bhagat mam

बैठक क्रमांक :

NASHIK GRAMIN SHIKSHAN PRASARAK MANDAL'S

BRAHMA VALLEY COLLEGE OF EDUCATION

Brahma Valley Education Campus, Trimbak Road, Anjneri, Nashik- 422 213.

B.Ed. I Year 2021 - 2022

B.Ed. 104 : Assessment & Evaluation For Learning

(अध्ययनासाठी मुल्यांकन आणि मूल्यमापन)

Name of Student Mr./Mrs. : Pratiksha Anil Sable **Roll No.:** 40

Practical : Developing an achievement test with its Blue Print, Answer Key & Marks Distribution

(त्रिमितीपत्रक, उत्तरसूची व गूण विभागणीसह संपादणूक चाचणीचे विकसन)

EVALUATION SCHEME

Rating Scale : 1) Unsatisfactory 2) Average 3) Satisfactory 4) Good 5) Excellent

No.	Criteria	1	2	3	4	5
1	Design a blue print as per crieria				✓	
2	Instructions given to attend the test				✓	
3	Type of question & marks alloted as per blue print					✓
4	Difficulty level of the questions				✓	
5	Language used for framing the questions					✓
6	Length of test				✓	
7	Content validity					✓
8	Answer Key with marks distribution				✓	
9	Educational Implications					✓
10	Overall Impression				✓	
	TOTAL MARKS - 50				44	

Date : 13 / 8 / 22 **Obtained Marks** 44/50 **Signature of Professor In-charge** R Bhajat

* Index *

No	Criteria	Sign
1.	Introduction	
2.	Aim of Practical	
3.	Division of Marks	
4.	Lesson Wise Marks	
5.	Question Wise Marks	
6.	Marking System	
7.	Blue print of Questions	
8.	Difficult level	
9.	Answer key	
10.	Educational Implication	
11.	Overall Impression	

RBhagat

* Acknowledgement *

In Bramha Vally College of education Anjaneri, Nashik, we got a practical of writing Blue print of a test paper.

Blue print means to distributes the marks according to the topics, questions types according to their difficulty level.

Blue print helps to distribution of marks in question paper.

To write practical, I am thankful to my professor for their valuable support and the whole staff of Bramha Vally College for their support.

I am thankful to Prof. Mrs. R.A. Bhagat mam for their valuable support.

* Introduction *

For the B.ed course for subject 104 a practical has been taken to consider a blueprint of an subject for unit test and consider for marks system, types of questions, the difficulty level, the number of right question answered.

Taking this all into consideration helps the teacher to analysis the exact paper pattern correctly.

To remove any difficulty to corred up all the question type to use up the knowledge it is important.

Thus each student can be analysed correctly in this method.

* Aim of Practical *

1> To consider level distribution of the marks.

2> To check the difficulty level of questions.

3> To make proper marking systems.

4> Distribute marks and objective questions.

5> Make unit test paper Blue print.

6> Make answer key for the question paper.

* Division of Marks *

Subject : Mathematics

Procedure	Marks	Percentage
Knowledge	8	40%
Understanding	8	40%
Planning	4	20%
Total	20	100%

Lesson wise Marks

Lesson	Marks	Percentage
Roman numerals	4	20 %
Addition and subtraction	6	30 %
Multiplication and Division	4	20 %
Circle	6	30 %
Total	20	100 %

Question wise Marks

Types of Que.	Marks	Percentage
Objective	4	20%
Short	8	40%
Long	8	40%
Total	20	100%

* Blue Print *

Points	Marks	Percentage
Knowledge	5	30%
Application	3	10%
Understanding	8	40%
Skill	4	20%
Total	20	100%

Lesson	Knowledge			Application			Understanding			Skills			Total
	O	S	L	O	S	L	O	S	L	O	S	L	
Roman Numerals	$(1)^4$												4
Addition & subtraction								$(1)^4$	$(1)^2$				6
Multiplication & Division											$(1)^2$	$(1)^2$	4
circle	$(1)^1$				$(1)^3$			$(1)^2$					6
Total		5			3			8			4		20

Difficult level of Questions

Difficult Question : $\frac{R}{N} \times 100$

R: Question answered right by students
N: Total Number of students

Q.1] Write the Roman numeral of given numbers

① 4 ② 6 ③ 10 ④ 7

$\Rightarrow \frac{R}{N} \times 100$

$\Rightarrow \frac{34}{40} \times 100$

$\Rightarrow 85\%$

Difficulty level is very simple of this question.

Q.2 Solve the following example.

a) add the following

1) 1,43,057 + 4,21,689

2) 26,42,073 + 7,39,478

3) 40722 + 13819

4) 56427 + 10648

$\Rightarrow \frac{R}{N} \times 100$

$\Rightarrow \frac{25}{40} \times 100$

$\Rightarrow 62.5\%$

∴ Difficulty level is simple of this question.

b) Subtract following

① 405825 - 9876

② 252011 - 218950

$\Rightarrow \frac{R}{N} \times 100$

$\Rightarrow \frac{10}{40} \times 100$

$\Rightarrow 25\%$

∴ Difficulty level of this question is very hard.

Q.3 Solve the following examples:-

a) Multiplication:-

① 754 x 368 ② 3429 x 507

$\Rightarrow \frac{R}{N} \times 100$

$\Rightarrow \frac{15}{40} \times 100 \Rightarrow 37.5\%$

∴ Difficulty level is high

b) Divide :-

① 4254 ÷ 25 ② 9783 ÷ 32

$\Rightarrow \frac{R}{N} \times 100$

$\Rightarrow \frac{36}{40} \times 100$

$\Rightarrow 45\%$

Difficulty level is hard.

Q.4 a) Give the following answer.
① What is radius? ② What is chord?
③ what is diameter?

$\Rightarrow \frac{R}{N} \times 100$

$\Rightarrow \frac{40}{40} \times 100$

$\Rightarrow 100\%$.

Difficulty level of this questions is very simple.

b) Draw circles with the radii given below.
1) 2 cm 2) 4 cm

$\Rightarrow \frac{R}{N} \times 100$

$\Rightarrow \frac{36}{40} \times 100$

$\Rightarrow 90\%$.

∴ Difficulty level of this question is very simple.

c) Complete the following table by filling in the blanks.

Radius	4 c.m		9 c.m	
Diameter		16 c.m		22 cm

$\Rightarrow \frac{R}{N} \times 100$

$\Rightarrow \frac{R40}{40} \times 100 \Rightarrow 100\%$.

Difficulty level of this questions is very simple.

FIRST UNIT TEST - 2022

Std-V Subject - Maths Marks- 20

FIRST UNIT TEST- 2022

Std-V Subject - Maths Marks- 20

Q.1 Write the Roman numeral of given Numbers [4 Marks]

1) 4 2) 6
3)10 4)7

Q.2 Solve the following Examples

A] Addition [4 Marks]

1) 1 + 43 + 057 + 4.21 + 689
2) 26 + 42 + 073 + 739 + 478
3) 40722 + 13819
4) 56427 + 10648

B] Subtraction [2 Marks]

1) 405825 – 9876. 2). 252011 – 218950

Q.3 Solve the Following Examples

A] Multiplication [2 Marks]

1) 754 X 368. 2)3429 X 507

B] Divide [2 Marks]

1) 4254 ÷ 25. 2) 9783 ÷ 32

Q.4 Give the following answer

A] Define [3 Marks]

1) What is radius ?
2) What is chord ?
3) What is diameter ?

B] Draw the circles with the radii given below [1 Mark]

1) 2 cm. 2)4 cm.

C] Complete the following table by filling in the blanks. [2 Mark]

Radius	4cm		9cm	
Diameter		16cm		22cm

* Answer Key *

Name :-
Roll No :-
Standard :- V

Time :- 30min
Marks :- 20 Marks

Q.1 Write the Roman numeral of given number.

① 4 - IV
② 6 - VI
③ 10 - X
④ 7 - VII

Q.2 Solve the following examples:-

a) addition

① 1,43,057 + 4,21,689

	L	TTh	Th	H	T	U
				1	1	
	1	4	3	0	5	7
+	4	2	1	6	8	9
	5	6	4	7	4	6

② 26,42,073 + 7,39,478

	TL	L	TTh	Th	H	T	U
	2	6	4	2	0	7	3
+		7	3	9	4	7	8
	3	3	8	1	5	5	1

③ 40722 + 13819

Thh	Th	H	T	U
	1		1	
4	0	7	2	2
+1	3	8	1	9
5	4	5	4	1

④ 56427 + 10648

Thh	Th	H	T	U
	1		1	
5	6	4	2	7
+1	0	6	4	8
6	7	0	7	5

b) Subtraction

1) 405825 - 9876

4	0	5	8	2	5
-		9	8	7	6
1	1	1	1	1	
3	9	5	9	4	9

2) 252011 - 218950

2	5	2	0	1	1	
-	2	1	8	9	5	0
		1	1	1		
2	3	0	1	2	6	1

Q.3 Solve the following examples.

a) Multiplication

① 754 X 368

```
      754
    x 368
     6032
+   45240
+  226200
   277472
```

② 3429 X 507

```
      3429
    x 507
     24003
+    00000
+  1714500
   1738503
```

b) Divide

① 4254 ÷ 25

```
     0170
25 ) 4254
    -0
     42
    -25
     175
    -175
     0004
    -0000
     0004
```

②

```
     0305
32 ) 9783
    -0
     97
    -96
     18
    -00
     183
    -160
     23
```

① Quotient 170, Remainder 4
② Quotient 305, Remainder 23

Q.4 a) Give the following answer.

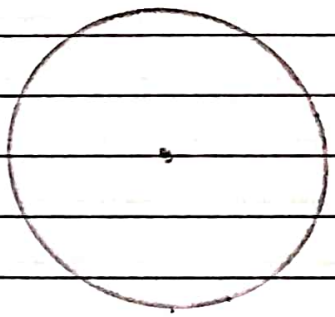
① What is radius?
→ The line joinging the center of the circle to any point on the circle is called a radius of the circle.

② What is chord?
→ A line joining any two points on a circle is called a chord.

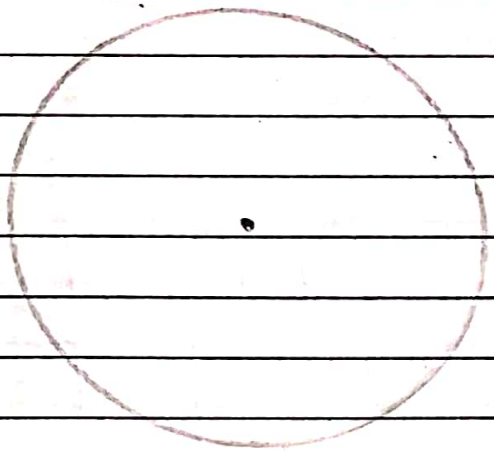
③ what is diameter?
→ A chord passing through the centre of the circle is called a diameter.

b) Draw circles with the radii given below. [1 Marks]

① 2 cm



② 3½ C.m



c) Complete the following table by filling in the blanks [2 Marks]

Radius	4 c.m	8 c.m	9 c.m	11 cm
Diameter	8 c.m	16 c.m	18 c.m	22 c.m

* Educational Implication *

By taking 20 marks of test paper of unit test of any student of any standard we have to observe the marking system of those lessons should be equally distributed in all the areas of knowledge, planning & understanding.

All the question are from the student point of view even we checked the difficulty level of each equestion

* Overall Impression *

The university of savitribai phule include the practical of Blue print of the paper revised B.Ed syllabus.

The subject of practical was "Assessment & Evaluation for learning" so for this practical I analized & & refered the question paper & text book of- std Vth math subject.

I got an idea of setting question paper based on knowledge, Application skills understanding by this practice. Also got an apportunity to learn the lesson wise mark distribution.

This practical is very much helpful for me from teachers point of view as evaluation is the must important tool of knowledge & understanding.

Checked
KBhoyar
13/8/22