

# State Institute of Education Research and Training, Udaipur (SIERT)

Primary Education Learning Level Evaluation Year 2016-17

Class- 5

Subject- Mathematics

## 1. Weightage on the basis of Learning Area and Subject Matter

Sr. No.	Learning area	Lesson No.	Weightage	Type of Questions				Total
				OT	VSA	SA	ET	
1	Understanding of Shapes and Position	Chapter 16	8	–	1	–	1	2
2	Understanding of Number System	Chapter 1,6,7	16	2	–	2	1	5
3	Understanding of basic Mathematical Operation	Chapter 2,3,4,5,17	24	–	2	2	2	6
4	Understanding of Measurement	Chapter 10,11,12,13,14,15	24	–	–	3	2	5
5	Understanding of Data Handling and Pattern	Chapter 8,9	8	2	1	1	–	4
<b>Total</b>			<b>80</b>	<b>4</b>	<b>4</b>	<b>8</b>	<b>6</b>	<b>22</b>

## 2. Weightage According to Educational Objectives

Sr. No.	Educational Objectives	Type of Questions	Weightage	Percentage
1	Remembering	8	16	20%
2	Understanding	4	16	20%
3	Applying	5	24	30%
4	Analysing	2	12	15%
5	Evaluating	2	8	10%
6	Creating	1	4	5%
<b>Total</b>		<b>22</b>	<b>80</b>	<b>100%</b>

## 3. Weightage According to Type of Questions

Sr. No.	Type of Questions	Number of Questions	Marks per Question	Total (Sum)	Percentage	Approximate Time
1	Objective Questions	4	1	4	5%	5 min
2	Very Short Answer Questions	4	2	8	10%	25 min
3	Short Answer Questions	8	4	32	40%	70 min
4	Long Answer Questions	6	6	36	45%	40 min
5	Exam related other work	–	–	–	–	10 min
<b>Total</b>		<b>22</b>		<b>80</b>	<b>100%</b>	<b>150 min</b>



Primary Education Learning Level Evaluation Year 2016-17  
 Sample Question Paper  
 Subject—Mathematics  
 Class—5

Time—2.30hrs.

M.M.80

Instructions:-

- (1) All Questions are to be attempted.
- (2) Weightage of each question is given in front of it.
- (3) Question paper is divided into 5 parts according to learning area.
- (4) Write the answers of the questions in the space given under them in the question paper. For objective type questions write the alphabet of the correct answer in the bracket given in front of it.
- (5) Do not tear/damage or separate any part of the question paper.
- (6) In view CCE/SIQE the question paper has been prepared keeping learning areas.

Roll No.						Date								
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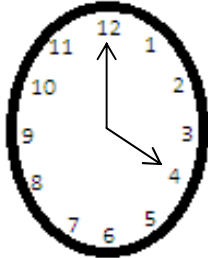
Signature of the invigilator .....

Learning areas	understanding shapes and position	understanding Number system	understanding operations	understanding measurement	understanding data handling and patterns	total
Max. marks	8	16	24	24	8	80
Marks obtained						
Grade						
Signature of Examiner .....			Date .....			

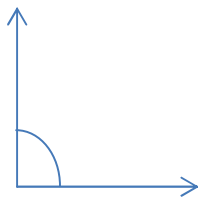
**1. Understanding of shapes and spaces**

Marks—8

Q.1 Write the type of the angle framed between the two hands of watch given below. 2

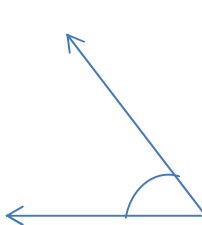


Q.2 Measure the angles given below with the help of a protractor. 6



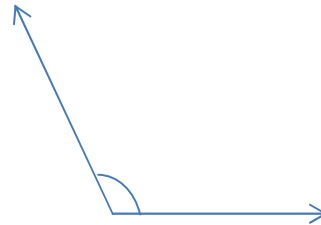
(1)

.....



(2)

.....



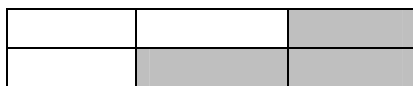
(3)

.....

**2. Understanding of number system**

Marks—16

Q.3 Write fraction of the shaded part in the following figure—



(a)  $\frac{3}{8}$

(b)  $\frac{3}{3}$

(c)  $\frac{3}{6}$

(d)  $\frac{6}{3}$

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Q.4 Two and three upon five can be written as--

(a)  $2\frac{5}{3}$

(b)  $5\frac{2}{3}$

(c)  $3\frac{2}{5}$

(d)  $2\frac{3}{5}$

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Q.5 Write the smallest and biggest five digit numbers using the digits 8,5,2,0,1. 4

(1) The smallest five digit number .....

(2) The biggest five digit number .....

Q.6 Identify True/false statements and write true/ false-in the box given in front of them. 4

(1) Forty eight thousand five hundred two is written in numbers as 48502.

(2) The number of expanded form  $10000+800+70+3$  is 1873.

(3) We Read the number 40009 in words as four thousand nine.

(4) The place value of 2 in number 73208 is 200.

Q.7 Write three equivalent fractions each of the following fraction. 6

(1)  $\frac{2}{3} = \dots\dots\dots, \dots\dots\dots, \dots\dots\dots$

(2)  $\frac{1}{7} = \dots\dots\dots, \dots\dots\dots, \dots\dots\dots$

**3.Understanding of basic Mathematical Operations**

Marks—24

Q.8 Write the missing digits in box in the question. 2

$$\begin{array}{r} 29 \\ + 3\boxed{\phantom{0}} \\ \hline \boxed{\phantom{0}}4 \end{array}$$

Q.9 Match part A with part B. 2

Part A

$171+21$

$165-30$

$2086-6$

$19+113$

Part B

135

2080

132

192

Q.10 Solve the questions given below. 4

$$(1) \quad \begin{array}{r} 7325 \\ + 1963 \\ \hline \\ \hline \end{array}$$

$$(2) \quad \begin{array}{r} 7325 \\ - 6581 \\ \hline \\ \hline \end{array}$$

Q.11 Find the value of  $11 \times 16$  by using Nikhilam formula with base 10.

4

Q.12 Find the biggest number which divided 15, 45 and 60 completely.

6

Q.13 Solve the following questions:-

6

(1). There are 165 students in Govt. Primary School, Kheda. Bhamashah gave ₹ 550 per student for school dresses. Find out the total amount given by the Bhamashah.

(2). Mahesh has 345 toffees. He wants to distribute them among his 16 friends equally. Find out how many toffees each one will get and how much toffee will remain with him.

**4. Understanding of Measurement**

Marks—24

Q.14 Identify correct/ false statement—

4

- (1) We divide a minute by 60 to convert into seconds. (correct/false)
- (2) One hour has 3600 seconds. (correct/false)
- (3) The time taken by the hands of minute to travel sixty small parts is equal to the time taken by the hands of hour to travel a big part. (correct/false)
- (4) One day has 1440 minutes. (correct/false)

Q. 15 Fill in the blanks –

4

- (i) 1 Kilogram = .....gram
- (ii) 2500 gram =.....Kilogram
- (iii) 15 Kilometer =.....meter
- (iv) 100 Centimeter =.....meter

Q. 16 Madhu bought the following articles from a book store-

- (i) 8 pencils at the rate of ₹ 4 per pencil.
- (ii) 5 exercise books at the rate of ₹ 15 per exercise book.
- (iii) 4 pens at the rate of ₹ 10 per pen.
- (iv) 2 color boxes at the rate of ₹ 9 per color box.

Prepare a bill for the above purchase in given bill performa and tell how much money Madhu spent.

4

Bill No.	Book Store	Date - .../.../.....		
Name and Address .....				
Sr. No.	Particulars	Rate	Quantity	cost

Q. 17 Atul has measures of 50 ml, 100 ml, 200 ml and 500 ml. In how many ways can Atul measure the following quantities by using the measures the least time?

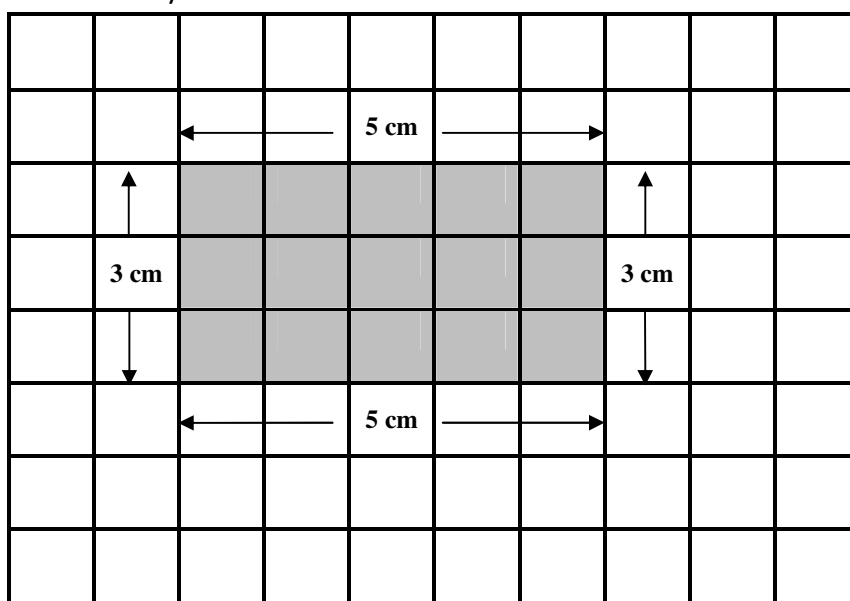
(i) 2 Liter 750 ml

(ii) 3 Liter 800 ml

6

Q. 18 A rectangle is shown in the picture. Find the perimeter and the area of this rectangle. Can you increase or decrease its length and width in this way so that its perimeter and area become the same. If yes then write their measurements.

6

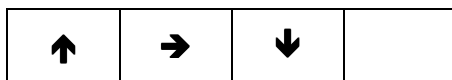


**5. Understanding of Data handling and patterns**

Marks—8

Q.19 Extend the patterns given below-

1



(A)

(B)

(C)

(D)

( )



Q.20 The number 12 is represented by Tally marks as-

(a)  $\text{||||}$

(b)  $\text{||||} \text{||}$

(c)  $\text{||||} \text{||||} \text{||}$

(d)  $\text{||||} \text{||||} \text{|}$

( ) 1

Q.21 Forward the pattern given below by 2 steps.

2

(i) 6, 10, 14, 18, ..... , .....

(ii) 35, 29, 23, 17, ..... , .....

Q.22 In Jaipur city the number of challans made by traffic police for breaking the traffic rules at a particular place is as number-

4

Days	Monday	Tuesday	Wednesday	Thursday
No. of challans	5	4	6	3

Make a bar graph for the above data, using graph given below.

