**KENDRIYA VIDYALAYA SANGATHAN ,GUWAHATI REGION**

**SESSION 2018-2019**

**EXAMINATION:-HALF YEARLY**

**Max. Marks:80 Sub:-MATHEMATICS**

**Time:- 2 ½ hours CLASS- V**

**NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ROLL No\_\_\_\_\_\_\_\_**

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| --- | --- | --- | --- | --- | --- |
| **COMPENTENCIES** | **KNOWLEDGE****(20)** | **UNDERSTANDING****(20)** | **ABILITY TO COMPUTE****(20)** | **PROBLEM SOLVING ABILITY(20)** | **TOTAL****(80)** |
| **VALUE POINTS** |  |  |  |  |  |

**Signature of the Invigilator Signature of the examiner**

**KNOWLEDGE**

 **V.S.A ( ANY EIGHT) 1X8=8**

1. **A square has.....................................................sides.**
2. **1 Ten=.....................................ones**
3. **715 + 308 + 510 = 510 +............................+308.**
4. **The letter that can be divided in to a mirror half is ............................**

**( F, L ,A )**

1. **1/10 of a rupee is ....................................................paisa.**
2. **L.C.M of 3 and 5 is........................................................**
3. **Acute angle is less than.................................................**
4. **Angles are measured with the help of ...........................................**
5. **The two digit number that looks the same on a ½ turn is............. ( 10, 88 ,14)**

**S.A ( Any Six )** 6x2=12

**1. Write two 2 and 3 digits numbers which look the same on half a turn..**

**2 digit numbers .............................. , .............................**

**3 digits numbers................................ , ..............................**

**2. Write any two equivalent fraction for the following.**

 **4/7 =..................... .................................**

 **1/2 =..................... ..................................**

**3. Find the L.C.M of 10 and 15**

**Ans.**

**4. Draw a hand of clock in such a way that they make a more than right angle between them. Also write the time.**

**Time :**

**5. Draw a close shape by using 5 match sticks.**

**Ans.**

**6. i) Write in numerals**

 **Thirty crore fifteen thousand six....................................................**

 **ii) One lakh ....................................................................................**

**7. Find the value of 1/6 of 90**

**Ans......................................................................................................**

 **KNOWLEDGE**

 **V. S.A (ANY EIGHT) 1X8 =8**

1. **Calculate 200078 +2108 =----------------------------**
2. **1 meter = -------------------------centimetre.**
3. **Write the fraction of the shaded portion in the given fig.**

|  |  |
| --- | --- |
|  |  |
|  |  |

**4. What should come next**

****

 **5 . Give a example of proper fraction.**

 **Ans.**

 **6. 90 degree angle is called ----------------------------------angle.**

 **7. Area of a rectangle =..........................................................**

 **8. L.C.M of 3 and 7 is............................................................**

 **9. Perimeter of a Square = 4 x .............................................**

**S.A. ( Any Four ) 2x4 =8**

1. **Draw an angle of measure 45⁰ using a protractor**

 **Ans.**

**2.Find the L.C.M of 18 and 30.**

**Ans.**

 **3.Divide the pictures into two mirror halves by drawing a line.**

****

 **4 ) Find the perimeter and area in (square c.m) of the note below.**

|  |  |  |  |
| --- | --- | --- | --- |
| **ten-rupees-note.jpg** |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**Ans.**

 **5. Which of these English words reads the same on half a turn ?**

1. **SWIMS 2) NOON 3) SCHOOL 4) SIS**

 **............................................................................................................**

**............................................................................................................**

 **L.A 1x4=4**

**1. Complete the tree of 30**

**55**

 **X**

 **X**

 **30**

 **ABILITY TO COMPUTE**

 **V.S.A (Any Six ) 1x6=6**

1. **½ of right angle =........................................................................**
2. **Area of a square =......................................................................**
3. **The equivalent fraction for 2/5 is .............................................**
4. **------------------is a factor of every number.**
5. **The least prime number is ......................................................**
6. **Write two multiples of 5 .**

 **Ans.................................................................................................**

1. **Write two factors of 12.**

**Ans.................................................................................................**

 **S.A (Any Five) 2x5 =10**

1. **Colour the grid as given under**

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**¼ part -- blue**

**½ part -- red**

**1/4 part---yellow**

1. **Draw a rectangle of length 6 c.m and width 4 c.m . Divide it in to three equal parts and complete the flag.**

**Ans.**

1. **Find the area of the rectangle.**

 **4 c.m**

 **2c.m 2c.m**

 **4 c.m**

**Area =----------------------------------**

1. **Find the H.C.F of 10 and 20.**

**Ans.**

1. **Observe the pattern of numbers in the Pentagon. Fill in the empty spaces using the rule.**

**Rule : The number in each box is got by multiplying the numbers in the circles next to it.**

 ****

1. **Find the common multiples of 4 and 6**

**Ans.**

**L.A 1X4 =4**

 **1. Prepare an Indian place value chart . Place the number and write the number name.**

 **36599102**

 **Ans.**

**PROBLEM SOLVING ABILITY**

 **V.S.A (Any Six) 1x6=6**

 **Fill in the blanks.**

1. **Angles are measured in…………………………………( degree /metre)**
2. **Give one example of a mixed fraction. Ans........................................................................................**

**3. Write the rule for the following pattern.**

**Rule:……………………………………………………………………………………**

**4. In an improper fraction the numerator is ………………………….. than denominator.**

**5. Define an angle.**

 **Ans:.........................................................................................................**

 **.................................................................................................................**

1. **The length of the boundary of a closed figure is called ........................................of the figure.**

 **S.A (Any Five) 5x2=10**

**1. Give an half turn to the numbers from 0 to 9 . Find which of these still looks the same.**

**Ans:**

1. **Draw a factor tree for 30.**

**Ans.**

**3. Name the points which are interior of the angle and exterior of the angle.**

 **C B P**

 **L U R**

 **Interior points:……………………………………………………………………………**

 **Exterior points:…………………………………………………………………………..**

**4.Draw what the following shapes would look like on ¼ turn and half turn.**

|  |  |  |
| --- | --- | --- |
| **Shapes** | **On ¼ turn** | **On half turn** |
|  |  |  |
|  |  |  |

 **5 . Continue the pattern :**

 **1x1 =1**

 **11 x 11 =121**

 **111 x 111 =------------------**

 **1111 x 1111 =------------------**

**6 . Measure the following angles :**

1. **b)**

**Angle ..................................... Angle.......................................**

 **L.A 1x 4 = 4**

1. **Arun’s time table**

**Sleeping : One eighth of a day**

**Studying : ¼ of a day**

**How many hours does Arun take for**

 **Sleeping ? -------------------------------hours**

**Studying ?---------------------------------hours**

**Playing ? --------------------------------- hours**