**Dreamland public school**

**SA – 2**

**Class – 8th**

**Subject – Math’s**

**T. Duration : 3 hour M.M – 70**

**Q1:- Tick the correct option:- (**

1. **How many elements does a quadrilateral have ?**
2. **15 ( ) ii) 10 ( ) iii) 5 ( ) iv) 8 ( )**
3. **What will be the volume of a cube of side ?**
4. **2 ( ) ii) 3 ( ) iii) 6 2 ( ) iv) 4 3 ( )**
5. **The total sum of all the central angle is equal to**
6. **1800  ( ) ii) 900 ( ) iii) 3600 ( ) iv) 2700( )**

1. **Dividing 2 by 8 , we get**

**9 3**

**i) 12 ii) - 4 iii) - 12 iv) 4**

**- 25 5 25 -5**

1. **If selling price is more then the cost price. What will happen ?**

**i) profit ( ) ii) loss ( ) iii) no profit ( ) iv) no loss ( )**

1. **If the point ( x , y ) line on g-axis then its abscissa is**
2. **0 ( ) ii) 1 ( ) iii) 2 ( ) iv) 1 ( )**
3. **( - 2 , - 3 ) line is the \_\_\_\_\_\_ quadrant**

**i) ( ) ii) III ( ) iii) II ( ) iv) IV( )**

1. **Which of these is a prefect cube ?**

**i) 432 ( ) ii) 216 ( ) iii) 261 ( ) iv) none of these ( )**

**i) The number of faces of cylinder is**

**i) 2 ( ) ii) 3 ( ) iii) 4 ( ) iv) 1 ( )**

**j) Which of the following is not a representation of Euler’s formula.**

**i) F + V = E + 2 ( ) ii) F – V = E + 2 ( ) iii) F + V – E = 2 ( ) iv) F – E + V = 2 ( )**

1. **Which of these is not an example of prism ?**
2. **Cuboid ( ) ii) Cube ( ) iii) Cylinder ( ) iv) Sphere ( )**
3. **The diagonals do not necessarily intersect at right angles in a**
4. **Parallelogram ( ) ii) rectangle ( ) iii) Rhombus ( ) iv) kite ( )**
5. **1 in the figure is**

**1 2**

**4 3**

**5 6**

**7 8**

1. **Interior angle ( ) ii) alternate angle ( ) iii) Cores pending angle ( ) iv) transversal angle ( )**

1. **( x + 2 ) 2 is equal to**
2. **X2 + 4 + 8x ( ) ii) 2x2 + 4 + 4x ( ) iii) x2 + 4 + 4x ( ) iv) none of these ( )**

**Q2:- Name a quadrilateral angle with their properties and figures ( Any 5 properties ) ( 10 marks )**

**Q3:- Construct a quadrilateral PQRS in which P = 450 , R = 900 , QR = 5cm, PQ = 9cm and RS =7cm. ( 5 marks )**

**Or**

**Construct a parallelogram ABCD in which AB = 5.6 cm , BC = 4.2 cm and hypotenuse AC = 6.5 cm.**

**Q4:- Define pyramids and their types. ( 5 marks )**

**Q5:- The sale of various Cat egories of items in a super bazaar on a particular day is as follows. ( 10 marks )**

**Bakery products = 9000, Soaps = 6000, Groceries = 27000 , Cosmetics = 12000 and**

**miss cellulous items & 12000. Draw a pie chart for this data.**

**Q6:- Represent the given marks of a student by the means of a double bar graph and answer the following question. ( 10 marks )**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Subject** | **English** | **Hindi** | **Sanskrit** | **Math’s** | **Science** | **S.st** |
| **Marks obtained** | **61** | **75** | **80** | **85** | **70** | **62** |
| **Close average** | **65** | **80** | **75** | **75** | **70** | **65** |

1. **In which subjects is the performance of the student better than class average?**
2. **In which subjects is the performance of the student worse than the class average?**
3. **In which subject is the performance of the student equal to the class average?**

**Q7:- Plot the following points an a graph**

1. **A ( 4 , 8 ) ii) B ( 7 , - 8 ) iii) C ( 2 , - 3 ) iv) D ( - 4 , - 4 ) v) E ( 5 , 2 ) ( 10 marks )**