Kendriya Vidyalaya Sangathan – Bengaluru Region

Summative Assessment II– March 2014

Key+ Marking Scheme

Class- VIII Time-2 ½ Hours

Subject- Mathematics Marks: 60

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| Type of Questions | No | Answers expected | Total Marks |
| VSASection A | 1 | (a) | 01 |
| 2 | (b) | 01 |
| 3 | (b) | 01 |
| 4 | (c) | 01 |
| 5 | (d) | 01 |
| 6 | (a) | 01 |
| 7 | (d) | 01 |
| 8 | (d) | 01 |
| SASection B  | 9 | $$\left(3y^{2}-12my+15yn\right)+\left(40 yn-12ym+8y^{2}\right)$$11$y^{2}-24my+55yn$ | 0101 |
| 10 | Side view Top view  | 0101 |
| 11 |  $2^{-3}x 2^{2}=\frac{1}{2} $$ \frac{1}{2}x 2^{0}=\frac{1}{2}$  | 0101 |
| 12 | $$p^{2}+5p+5p+5^{2} $$$$ (p+5)^{2} $$ | 0101 |
| 13 | Xyz(x+ y+ z) | 02 |
| 14 | A=8, B=1 | 02 |
| SASection C | 15 | X= (154000 x 100)/100 = Rs 1,40,000 | 02,01 |
| 16 | (a+b)(a-b)=a2-b2 (100-4)(100+4)= 10000 – 16 = 9984 | 02+01 |
| 17 | Top View Front View Side view   | 03 |
| 18 | SA = 2(lb+bh+lh)2(7+3+5.25)=30.5 m2 | 01 |
| 19 | X= (850x8)/5 =1360 bottles | 0201 |
| 20 | X= (8x 45)/9 = 40 minutes | 0201 |
| 21 | 4xy(x+8)(x-2) ÷ 2y(x+8)2x(x-8) | 0201 |
| 22 | Blue= 180°Green = 90°Red = 60°Yellow =30°Pie chart indicating all the four colours appropriately | ½ X 41 |
| LA Section D | 23 |

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| Weight  | Number of students |
| 40-45  | 4 |
| 45-50  | 4 |
| 50-55 | 12 |

 Appropriate scale  | 01010101 |
| 24 | Amount for first year= p( 1+ R/100)n= 8000(1+(5/100))3 =8000(1.157)= Rs 9261 | 01010101 |
| 25 | Volume cuboid= 60 x 54 x 30 = 97200 cm2Volume of cube= 63= 216Number of cubes = 97200÷216= 450 | 020101 |
| 26 | Graph showing the required points, axis | 4 x 1 |