Kendriya Vidyalaya Sangathan – Bengaluru Region

Summative Assessment II– March 2014

Key+ Marking Scheme

Class- VIII Time-2 ½ Hours

Subject- Mathematics Marks: 60

|  |  |  |  |
| --- | --- | --- | --- |
| Type of Questions | No | Answers expected | Total Marks |
| VSA  Section 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 |
| SA  Section B | 9 | 11 | 01  01 |
| 10 | Side view Top view | 01  01 |
| 11 |  | 01  01 |
| 12 |  | 01  01 |
| 13 | Xyz(x+ y+ z) | 02 |
| 14 | A=8, B=1 | 02 |
| SA  Section 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 | 02  01 |
| 20 | X= (8x 45)/9  = 40 minutes | 02  01 |
| 21 | 4xy(x+8)(x-2) ÷ 2y(x+8)  2x(x-8) | 02  01 |
| 22 | Blue= 180°  Green = 90°  Red = 60°  Yellow =30°  Pie chart indicating all the four colours appropriately | ½ X 4  1 |
| LA  Section D | 23 | |  |  | | --- | --- | | Weight | Number of students | | 40-45 | 4 | | 45-50 | 4 | | 50-55 | 12 |   Appropriate scale | 01  01  01  01 |
| 24 | Amount for first year= p( 1+ R/100)n  = 8000(1+(5/100))3  =8000(1.157)  = Rs 9261 | 01  01  01  01 |
| 25 | Volume cuboid= 60 x 54 x 30 = 97200 cm2  Volume of cube= 63= 216  Number of cubes = 97200÷216= 450 | 02  01  01 |
| 26 | Graph showing the required points, axis | 4 x 1 |