Answer to the ques no 3

2(a)

|  |  |  |  |
| --- | --- | --- | --- |
| Graph | Best | Worst | Average |
| 1 | 442 | 448 | 446 |
| 2 | 588 | 592 | 590 |
| 3 | 752 | 756 | 754 |
| 4 | 936 | 940 | 938 |

2(b)

|  |  |  |
| --- | --- | --- |
| Graph | Obtained vertex cover | Min vertex cover |
| 1 | 436 | 420 |
| 2 | 586 | 560 |
| 3 | 744 | 720 |
| 4 | 930 | 900 |