UNIT 5   Data Analysis   Mental Tests

M 5.1 Standard Route *(no calculator)*

1.   Calculate the *mean* of 6 and 8.   (7)

2.   Calculate the (a) *mean* and (b) *range* of 8 and 4.   ((a) 6   (b) 4)

3.   Calculate the (a) *mean,* (b) *median* and (c) *range*
     of 4, 6 and 5.   ((a) 5   (b) 5   (c) 2)

4.   Calculate the *median* of 82, 37 and 42.   (42)

5.   What is the *range* of this set of data: 4, 6, 7, 20 ?   (16)

6.   What is the *range* of this set of data: 7, 2, 9, 15 ?   (13)

7.   What is the *mean* of 10, 12 and 5 ?   (9)

M 5.2 Academic Route *(no calculator)*

1.   Calculate the *mean* of 7, 10 and 4.   (7)

2.   Calculate the (a) *mean* and (b) *range* of 6, 9 and 15.   ((a) 10   (b) 9)

3.   Calculate the (a) *median* and (b) *range* of 7, 2, 6, 3 and 5.   ((a) 5   (b) 5)

4.   Calculate the (a) *median* and (b) *mean* of 8, 10, 12 and 18.   ((a) 11   (b) 12)

5.   What is the *range* of this set of data: 4, 7, 11, 22, 2 ?   (20)

6.   What is the *range* of this set of data: 6, 7, 22, 29, 3 ?   (26)

7.   What is the *mean* of 108, 101 and 100 ?   (103)

M 5.3 Express Route *(no calculator)*

1.   Calculate the *mean* of 108, 101 and 109.   (106)

2.   Calculate the (a) *mean* and (b) *range* of 121, 124 and 127.   ((a) 124) (b) 6)

3.   Calculate the (a) *mean* and (b) *range* of 3, 17, 22 and 6.   ((a) 12   (b) 19)

4.   Calculate the *median* of 4, 7, 22 and 30.   (14.5)

5.   Calculate the (a) *median* and (b) *mean* of 6, 2, 8, 14 and 5.   (a) 6   (b) 7)

6.   What is the *range* of this set of data: 67, 42, 91 and 108 ?   (66)

7.   What is the *range* of this set of data: 16, 22, 99, 15 and 121 ?   (106)