

**คะแนนสอบกลางภาค วิชา 303251 (Electrical Instruments and Measurements)**

| ลำดับ | รหัส     | ตอนที่ 1 | ตอนที่ 2 | ตอนที่ 3 | ตอนที่ 4 |       |       |       |        | ตอนที่ 5 |        |  | รวม     | รวม    |
|-------|----------|----------|----------|----------|----------|-------|-------|-------|--------|----------|--------|--|---------|--------|
|       |          | -10-     | -13-     | -12-     | ข้อ 1    | ข้อ 2 | ข้อ 3 | ข้อ 4 | ข้อ 1  | ข้อ 2    | ข้อ 3  |  | - 140 - | - 35 - |
|       |          |          |          |          | - 5 -    | - 5 - | - 5 - | - 5 - | - 30 - | - 30 -   | - 25 - |  |         |        |
| 1     | 45362969 | 5        | 10.5     | 8        | 5        | 3     | 5     | 5     | 18.5   | 5        | 0      |  | 65      | 16.25  |
| 2     | 47361555 | 5        | 4        | 12       | 5        | 2     | 5     | 5     | 11.5   | 17.5     | 4.5    |  | 71.5    | 17.875 |
| 3     | 47361563 | 5        | 4.5      | 8        | 5        | 1     | 5     | 1     | 0      | 17       | 7.5    |  | 54      | 13.5   |
| 4     | 47361571 | 4        | 6        | 8        | 5        | 3     | 4.5   | 1     | 5      | 25       | 10.5   |  | 72      | 18     |
| 5     | 47361589 | 8        | 9.5      | 6        | 5        | 1     | 1     | 1     | 1      | 22.5     | 16.5   |  | 71.5    | 17.875 |
| 6     | 47361597 | 4        | 12.5     | 6        | 5        | 3     | 5     | 5     | 14     | 18.5     | 10     |  | 83      | 20.75  |
| 7     | 47361605 | 0        | 5.5      | 7        | 5        | 2     | 5     | 5     | 13     | 30       | 14     |  | 86.5    | 21.625 |
| 8     | 47361621 | 10       | 5        | 10       | 5        | 5     | 5     | 5     | 5.5    | 0        | 0      |  | 50.5    | 12.625 |
| 9     | 47361639 | 2        | 5.5      | 2        | 5        | 2     | 1     | 1     | 15.5   | 22.5     | 15     |  | 71.5    | 17.875 |
| 10    | 47361654 | 9        | 7.5      | 0        | 5        | 5     | 4     | 4     | 16.5   | 3        | 6.5    |  | 60.5    | 15.125 |
| 11    | 47361670 | 0        | 6        | 10       | 4        | 1     | 1     | 1     | 3.5    | 7.5      | 4      |  | 38      | 9.5    |
| 12    | 47361720 | 5        | 7        | 8        | 5        | 5     | 5     | 5     | 15     | 30       | 18.5   |  | 103.5   | 25.875 |
| 13    | 47361738 | 6        | 11       | 10       | 5        | 5     | 5     | 3.5   | 14.5   | 17.5     | 15     |  | 92.5    | 23.125 |
| 14    | 47361761 | 5        | 10       | 8        | 5        | 3     | 5     | 5     | 28.5   | 1        | 8      |  | 78.5    | 19.625 |
| 15    | 47361779 | 4        | 6.5      | 4        | 5        | 3     | 5     | 5     | 29     | 30       | 10.5   |  | 102     | 25.5   |
| 16    | 47363726 | 8        | 12       | 8        | 5        | 4.5   | 1     | 1     | 23     | 22.5     | 5      |  | 90      | 22.5   |

| ลำดับ | รหัส     | ตอนที่ 1 | ตอนที่ 2 | ตอนที่ 3 | ตอนที่ 4 |       |       |       |        | ตอนที่ 5 |        |  | รวม     | รวม    |
|-------|----------|----------|----------|----------|----------|-------|-------|-------|--------|----------|--------|--|---------|--------|
|       |          |          |          |          | ข้อ 1    | ข้อ 2 | ข้อ 3 | ข้อ 4 | ข้อ 1  | ข้อ 2    | ข้อ 3  |  |         |        |
|       |          | -10-     | -13-     | -12-     | - 5 -    | - 5 - | - 5 - | - 5 - | - 30 - | - 30 -   | - 25 - |  | - 140 - | - 35 - |
| 17    | 47363742 | 2        | 3.5      | 8        | 2        | 3     | 5     | 4     | 6      | 7.5      | 2.5    |  | 43.5    | 10.875 |
| 18    | 47363759 | 8        | 5        | 7        | 3        | 3     | 1     | 1     | 24.5   | 10       | 6      |  | 68.5    | 17.125 |
| 19    | 47363767 | 6        | 2.5      | 4        | 5        | 3     | 1     | 1     | 15.5   | 25       | 10.5   |  | 73.5    | 18.375 |
| 20    | 47363775 | 6        | 5.5      | 8        | 5        | 1     | 2     | 2     | 12.5   | 30       | 15     |  | 87      | 21.75  |
| 21    | 47363783 | 5        | 8.5      | 10       | 4        | 5     | 3.5   | 5     | 5      | 18.5     | 8.5    |  | 73      | 18.25  |
| 22    | 47363791 | 9        | 8        | 10       | 5        | 3     | 5     | 5     | 13     | 0        | 9      |  | 67      | 16.75  |
| 23    | 47363825 | 4        | 6        | 5        | 5        | 3     | 5     | 5     | 9.5    | 5        | 5      |  | 52.5    | 13.125 |
| 24    | 47363833 | 6        | 9        | 8        | 4        | 3     | 1     | 1     | 14.5   | 8.5      | 8      |  | 63      | 15.75  |
| 25    | 47363841 | 6        | 7.5      | 4        | 5        | 3     | 5     | 5     | 30     | 17       | 11.5   |  | 94      | 23.5   |
| 26    | 47363890 | 3        | 5        | 8        | 5        | 3     | 5     | 5     | 0      | 7.5      | 6.5    |  | 48      | 12     |
| 27    | 47363908 | 3        | 13       | 10       | 5        | 5     | 1     | 1     | 15.5   | 12.5     | 14.5   |  | 80.5    | 20.125 |
| 28    | 47363916 | 4        | 2        | 0        | 5        | 5     | 3     | 1     | 0      | 8.5      | 12     |  | 40.5    | 10.125 |
| 29    | 47363924 | 6        | 4.5      | 5        | 5        | 5     | 1     | 2     | 8.5    | 7        | 1      |  | 45      | 11.25  |
| 30    | 47363932 | 2        | 1.5      | 12       | 5        | 2     | 5     | 5     | 9      | 0        | 12.5   |  | 54      | 13.5   |
| 31    | 47363940 | 5        | 5        | 12       | 5        | 3     | 5     | 0     | 28.5   | 30       | 14     |  | 107.5   | 26.875 |
| 32    | 47363957 | 3        | 8        | 7        | 2        | 5     | 1     | 1     | 2.5    | 10       | 4      |  | 43.5    | 10.875 |
| 33    | 47363965 | 5        | 6        | 7        | 5        | 3     | 1     | 4     | 9.5    | 19       | 10     |  | 69.5    | 17.375 |

| ลำดับ | รหัส     | ตอนที่ 1 | ตอนที่ 2 | ตอนที่ 3 | ตอนที่ 4 |       |       |       |        | ตอนที่ 5 |        |  | รวม     | รวม    |
|-------|----------|----------|----------|----------|----------|-------|-------|-------|--------|----------|--------|--|---------|--------|
|       |          |          |          |          | ข้อ 1    | ข้อ 2 | ข้อ 3 | ข้อ 4 | ข้อ 1  | ข้อ 2    | ข้อ 3  |  |         |        |
|       |          | -10-     | -13-     | -12-     | - 5 -    | - 5 - | - 5 - | - 5 - | - 30 - | - 30 -   | - 25 - |  | - 140 - | - 35 - |
| 34    | 47363973 | 6        | 7        | 10       | 5        | 3     | 4     | 5     | 22     | 12.5     | 6.5    |  | 81      | 20.25  |
| 35    | 47363981 | 5        | 2.5      | 0        | 5        | 5     | 5     | 5     | 27.5   | 10.5     | 7.5    |  | 73      | 18.25  |
| 36    | 47363999 | 8        | 5        | 7        | 5        | 3     | 5     | 0     | 1      | 24       | 9      |  | 67      | 16.75  |
| 37    | 47364005 | 2        | 7.5      | 4        | 5        | 5     | 1     | 1     | 12.5   | 9.5      | 10.5   |  | 58      | 14.5   |
| 38    | 47364013 | 5        | 7        | 3        | 5        | 4     | 5     | 5     | 16     | 30       | 9      |  | 89      | 22.25  |
| 39    | 47364021 | 6        | 10       | 6        | 5        | 5     | 5     | 5     | 13.5   | 30       | 12.5   |  | 98      | 24.5   |
| 40    | 47364047 | 6        | 5.5      | 6        | 5        | 5     | 1     | 1     | 12.5   | 30       | 8      |  | 80      | 20     |
| 41    | 47364070 | 2        | 6        | 10       | 5        | 5     | 5     | 5     | 0      | 5        | 5      |  | 48      | 12     |
| 42    | 47364088 | 8        | 7        | 7        | 5        | 5     | 1     | 5     | 17.5   | 30       | 7.5    |  | 93      | 23.25  |
| 43    | 47364112 | 4        | 1        | 6        | 5        | 5     | 5     | 5     | 3.5    | 4.5      | 0      |  | 39      | 9.75   |
| 44    | 47364138 | 8        | 13       | 8        | 5        | 5     | 1     | 5     | 15     | 30       | 13.5   |  | 103.5   | 25.875 |
| 45    | 47364146 | -2       | 8.5      | 4        | 5        | 3     | 5     | 5     | 28.5   | 12.5     | 7.5    |  | 77      | 19.25  |
| 46    | 47364153 | 4        | 11       | 5        | 5        | 3     | 5     | 5     | 4.5    | 7.5      | 6      |  | 56      | 14     |
| 47    | 47364161 | 6        | 6        | 8        | 2        | 2     | 1     | 5     | 2.5    | 30       | 10     |  | 72.5    | 18.125 |
| 48    | 47364187 | 6        | 6        | 10       | 5        | 5     | 5     | 5     | 4.5    | 0        | 0      |  | 46.5    | 11.625 |
| 49    | 47364195 | 5        | 4.5      | 2        | 5        | 3     | 1     | 1     | 14     | 6        | 3      |  | 44.5    | 11.125 |
| 50    | 47364211 | 7        | 5        | 6        | 5        | 2     | 5     | 1     | 6      | 5        | 1      |  | 43      | 10.75  |

| ลำดับ | รหัส     | ตอนที่ 1 | ตอนที่ 2 | ตอนที่ 3 | ตอนที่ 4 |       |       |       | ตอนที่ 5 |        |        | รวม | รวม   |
|-------|----------|----------|----------|----------|----------|-------|-------|-------|----------|--------|--------|-----|-------|
|       |          |          |          |          | ข้อ 1    | ข้อ 2 | ข้อ 3 | ข้อ 4 | ข้อ 1    | ข้อ 2  | ข้อ 3  |     |       |
|       |          | -10-     | -13-     | -12-     | - 5 -    | - 5 - | - 5 - | - 5 - | - 30 -   | - 30 - | - 25 - |     |       |
| 51    | 47364229 | 5        | 7        | 5        | 5        | 2     | 0     | 0     | 1        | 25     | 10     | 60  | 15    |
| 52    | 47364245 | 6        | 13       | 7        | 5        | 3     | 1     | 1     | 18.5     | 30     | 10.5   | 95  | 23.75 |
| 53    | 47364260 | 10       | 4.5      | 10       | 0        | 4     | 5     | 5     | 0        | 7.5    | 0      | 46  | 11.5  |

กราฟพิจารณาดนเอง

