

Term 82  
 Course 341  
 Section 1

Time 08:30-09:45  
 Rm 22-119  
 Total 24

| Serial | Stuid     | Quizes |      |     |    |     |    | Homework |    | Major Exam 1 |      |    |    |    | Major Exam 2 |    |     |      |      | Presentation |    | Prgraming Assignment |    |     | Final Exam |     |      |     |    |     | Final Bonus |     | Total |      |       |              |
|--------|-----------|--------|------|-----|----|-----|----|----------|----|--------------|------|----|----|----|--------------|----|-----|------|------|--------------|----|----------------------|----|-----|------------|-----|------|-----|----|-----|-------------|-----|-------|------|-------|--------------|
|        |           | 1      | 2    | 3   | 4  | 5   | 6  | 1        | 2  | 1            | 2    | 3  | 4  | 5  | 6            | 1  | 2   | 3    | 4    | 5            | 6  | 7                    | 1  | 2   | Avg        | 1   | 2    | 3   | 4  | 5   | 6           | 150 |       | 30   | Bonus | Exam + Bonus |
| 1      | 200149430 | 22.5   | 5.5  | 50  | 44 | 110 | 0  | 8.9      | 26 | 115          | 9.6  | 30 | 22 | 9  | 12           | 30 | 103 | 64.4 | 9.7  | 56           | 30 | 28                   | 15 | 129 | 76         | 82  | 16.3 | 5.0 | 94 | 3.3 | 0           | 0.0 | 0.0   | 63.3 |       |              |
| 2      | 200273420 |        |      | 0.0 | 41 | 0   | 0  | 4.5      | 0  | 79           | 4.5  | 30 | 22 | 13 | 15           | 26 | 106 | 66.3 | 9.5  | 52           | 27 | 12                   | 7  | 98  | 68         | 62  | 12.4 | 0.0 | 0  | 30  | 3.0         | 0   | 0.0   | 1    | 1.0   | 34.5         |
| 3      | 200319750 | 2.0    | 5.5  | 0   | 0  | 81  | 0  | 2.5      | 0  | 0            | 0.0  | 22 | 12 | 10 | 15           | 12 | 71  | 44.4 | 6.7  | 36           | 14 | 6                    | 0  | 56  | 33         | 35  | 7.1  | 2.2 | 10 | 15  | 1.9         | 0   | 0.0   | 1    | 1.0   | 21.3         |
| 4      | 200329250 | 7.0    | 22.0 | 22  | 0  | 65  | 25 | 4.9      | 0  | 102          | 6.0  | 34 | 26 | 15 | 20           | 27 | 122 | 76.3 | 11.4 | 52           | 27 | 24                   | 4  | 107 | 63         | 68  | 13.5 | 4.6 | 83 | 10  | 4.3         | 0   | 0.0   | 0.0  | 44.6  |              |
| 5      | 200345670 | 0.0    | 38.0 | 48  | 46 | 61  | 0  | 7.7      | 0  | 75           | 4.4  | 32 | 26 | 10 | 12           | 40 | 120 | 75.0 | 11.3 | 44           | 30 | 25                   | 5  | 104 | 61         | 66  | 13.2 | 3.3 | 68 |     | 2.7         | 0   | 0.0   | 0.0  | 42.6  |              |
| 6      | 200375070 | 22.5   | 42.0 | 53  | 48 | 118 | 0  | 9.7      | 38 | 93           | 9.3  | 34 | 24 | 17 | 14           | 38 | 127 | 79.4 | 11.9 | 52           | 32 | 30                   | 20 | 134 | 79         | 85  | 17.0 | 5.3 | 89 | 38  | 7.4         | 0   | 0.0   | 0.0  | 60.4  |              |
| 7      | 200376230 | 24.0   | 40.0 | 43  | 49 | 114 | 0  | 9.3      | 50 | 95           | 10.6 | 36 | 22 | 17 | 14           | 35 | 124 | 77.5 | 11.6 | 64           | 32 | 22                   | 20 | 138 | 81         | 87  | 17.5 | 3.8 | 90 | 35  | 7.1         | 0   | 0.0   | 0.0  | 59.9  |              |
| 8      | 200421940 | 22.5   | 40.5 | 39  | 50 | 110 | 0  | 9.1      | 42 | 109          | 10.6 | 40 | 32 | 13 | 10           | 38 | 133 | 83.1 | 12.5 | 72           | 34 | 30                   | 22 | 158 | 93         | 100 | 20.0 | 5.8 | 96 | 55  | 9.3         | 0   | 0.0   | 3    | 3.0   | 70.4         |
| 9      | 200426700 | 24.5   | 48.5 | 50  | 50 | 116 | 0  | 9.9      | 48 | 114          | 11.5 | 34 | 30 | 9  | 15           | 33 | 121 | 75.6 | 11.3 | 72           | 36 | 30                   | 18 | 156 | 92         | 99  | 19.7 | 5.8 | 94 | 60  | 9.8         | 0   | 0.0   | 1    | 1.0   | 69.1         |
| 10     | 200427380 | 22.0   | 48.5 | 39  | 47 | 91  | 0  | 8.9      | 36 | 112          | 10.2 | 34 | 30 | 13 | 18           | 31 | 126 | 78.8 | 11.8 | 72           | 35 | 25                   | 17 | 149 | 88         | 94  | 18.9 | 5.8 | 91 | 60  | 9.6         | 0   | 0.0   | 0.0  | 66.2  |              |
| 11     | 200429300 | 26.0   | 46.5 | 60  | 0  | 117 | 0  | 9.9      | 0  | 85           | 5.0  | 36 | 26 | 17 | 20           | 40 | 139 | 86.9 | 13.0 | 68           | 33 | 27                   | 18 | 146 | 86         | 92  | 18.5 | 5.8 | 94 | 40  | 7.7         | 0   | 0.0   | 0.0  | 60.0  |              |
| 12     | 200440260 | 14.0   | 29.5 | 34  | 43 | 83  | 26 | 7.1      | 0  | 81           | 4.3  | 26 | 20 | 11 | 9            | 29 | 95  | 59.4 | 8.9  | 48           | 26 | 18                   | 15 | 107 | 63         | 68  | 13.8 | 4.1 | 58 | 30  | 5.3         | 0   | 0.0   | 0.0  | 43.7  |              |
| 13     | 200556090 | 16.0   | 2.0  | 26  | 16 | 46  | 46 | 6.0      | 42 | 120          | 11.3 | 28 | 18 | 12 | 8            | 25 | 91  | 56.9 | 8.5  | 36           | 22 | 20                   | 18 | 96  | 56         | 61  | 12.2 | 3.3 | 46 | 15  | 3.3         | 0   | 0.0   | 1    | 1.0   | 45.6         |
| 14     | 200565230 | 14.0   | 16.5 | 54  | 0  | 0   | 49 | 8.7      | 0  | 117          | 6.9  | 32 | 28 | 16 | 11           | 37 | 124 | 77.5 | 11.8 | 48           | 29 | 25                   | 10 | 112 | 66         | 71  | 14.2 | 3.0 | 80 | 20  | 6.2         | 0   | 0.0   | 0.0  | 47.6  |              |
| 15     | 200574650 | 14.0   | 5.0  | 33  | 27 | 75  | 45 | 6.9      | 22 | 92           | 7.5  | 22 | 22 | 6  | 10           | 29 | 89  | 55.6 | 8.3  | 24           | 28 | 12                   | 5  | 69  | 41         | 44  | 6.7  | 4.7 | 30 | 30  | 4.2         | 0   | 0.0   | 0.0  | 40.4  |              |
| 16     | 200580350 | 13.5   | 17.0 | 26  | 46 | 97  | 5  | 6.9      | 35 | 91           | 8.9  | 28 | 22 | 14 | 10           | 24 | 98  | 61.3 | 9.2  | 40           | 15 | 18                   | 10 | 83  | 49         | 53  | 10.5 | 4.1 | 35 | 15  | 2.9         | 0   | 0.0   | 0.0  | 42.5  |              |
| 17     | 200581730 | 23.0   | 8.5  | 32  | 44 | 82  | 44 | 8.4      | 34 | 106          | 9.6  | 34 | 26 | 13 | 8            | 20 | 101 | 63.1 | 9.5  | 48           | 15 | 5                    | 5  | 73  | 43         | 46  | 9.2  | 4.9 | 51 | 30  | 5.0         | 0   | 0.0   | 0.0  | 46.7  |              |
| 18     | 200590890 | 25.0   | 10.5 | 37  | 24 | 71  | 30 | 6.9      | 35 | 63           | 7.2  | 34 | 28 | 18 | 16           | 32 | 128 | 80.0 | 12.0 | 48           | 25 | 25                   | 18 | 116 | 68         | 73  | 14.7 | 5.3 | 27 |     | 1.1         | 0   | 0.0   | 0.0  | 47.4  |              |
| 19     | 200597810 | 23.0   | 31.0 | 58  | 35 | 113 | 58 | 10.0     | 46 | 121          | 11.7 | 36 | 32 | 18 | 16           | 34 | 136 | 85.0 | 12.8 | 68           | 37 | 17                   | 25 | 147 | 86         | 93  | 16.6 | 3.8 | 86 | 40  | 7.4         | 0   | 0.0   | 0.0  | 64.4  |              |
| 20     | 200598750 | 23.5   | 2.0  | 0   | 0  | 72  | 0  | 3.9      | 40 | 119          | 11.0 | 30 | 14 | 11 | 10           | 23 | 88  | 55.0 | 8.3  | 56           | 36 | 25                   | 2  | 119 | 70         | 75  | 15.1 | 3.0 | 27 | 50  | 6.1         | 0   | 0.0   | 0.0  | 47.2  |              |
| 21     | 200683060 | 23.5   | 31.5 | 58  | 46 | 91  | 42 | 9.1      | 49 | 99           | 10.7 | 32 | 32 | 17 | 18           | 40 | 139 | 86.9 | 13.0 | 64           | 34 | 18                   | 18 | 134 | 79         | 85  | 17.0 | 5.9 | 91 | 38  | 7.4         | 0   | 0.0   | 0.0  | 63.1  |              |
| 22     | 200683120 | 23.5   | 38.5 | 59  | 47 | 109 | 45 | 9.8      | 43 | 109          | 10.7 | 32 | 30 | 17 | 17           | 35 | 131 | 81.9 | 12.3 | 60           | 32 | 22                   | 20 | 134 | 79         | 85  | 17.0 | 6.4 | 87 | 40  | 7.5         | 0   | 0.0   | 1    | 1.0   | 63.6         |
| 23     | 200683820 | 19.0   | 39.5 | 54  | 47 | 119 | 47 | 9.9      | 49 | 108          | 11.3 | 34 | 20 | 17 | 18           | 34 | 123 | 76.9 | 11.5 | 56           | 35 | 25                   | 17 | 133 | 76         | 84  | 16.8 | 3.9 | 89 | 38  | 7.4         | 0   | 0.0   | 0.0  | 60.8  |              |
| 24     | 200804940 | 25.5   | 41.5 | 59  | 42 | 108 | 0  | 9.4      | 36 | 117          | 10.5 | 38 | 22 | 13 | 17           | 34 | 124 | 77.5 | 11.6 | 64           | 36 | 20                   | 18 | 138 | 81         | 87  | 17.5 | 5.7 | 91 | 30  | 6.6         | 0   | 0.0   | 0.0  | 61.3  |              |

|      |      |      |      |      |      |     |      |      |     |      |      |      |      |      |       |      |      |      |      |      |       |      |      |      |     |      |      |     |     |     |     |     |     |     |         |      |     |
|------|------|------|------|------|------|-----|------|------|-----|------|------|------|------|------|-------|------|------|------|------|------|-------|------|------|------|-----|------|------|-----|-----|-----|-----|-----|-----|-----|---------|------|-----|
| 24   | 24   | 22   | 19   | 24   | 24   | 24  | 24   | 17   | 24  | 24   | 24   | 24   | 24   | 24   | 24    | 24   | 24   | 24   | 24   | 24   | 24    | 24   | 24   | 24   | 24  | 24   | 24   | 24  | 24  | 24  | 24  | 24  | 24  | 24  | 24      | 24   |     |
| 17.9 | 25.4 | 44.3 | 41.6 | 85.4 | 21.2 | 7.7 | 39.6 | 96.8 | 8.5 | 32.0 | 24.4 | 13.6 | 13.9 | 31.1 | 115.0 | 10.8 | 54.2 | 29.2 | 21.2 | 13.6 | 118.2 | 69.5 | 74.8 | 15.0 | 4.4 | 66.9 | 30.0 | 6.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.3     | 62.3 |     |
| 60%  | 51%  | 74%  | 63%  | 85%  | 42%  | 77% | 79%  | 114% | 85% | 80%  | 61%  | 68%  | 69%  | 76%  | 72%   | 72%  | 68%  | 73%  | 71%  | 68%  | 70%   | 70%  | 75%  | 75%  | 63% | 67%  | 75%  | 71% | 0%  | 0%  | 0%  | 0%  | 0%  | 0%  | #DIV/0! | 1%   | 62% |

Bonus marks

- 15-Mar 200683120 1 Unit for PSD function
- 17-Mar 200421940 1 expression for s(t)
- 21-Apr 200273420 1 PSD function for line encoding techniques is average for all possible data strings
- 10-May 200426700 1 SER versus BER
- 200421940 1 Sigma-Delta modulation slope condition
- 200556090 1 Adaptive Sigma-Delta modulation step size
- 19-May 200319750 1 systems add CRC and then FEC at the transmitter
- 9-Jun 200421940 1 Distributed synch character for DS1 frame