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| Example question | Score |
| Fourier series* trigonometric form (sin, cos)
* absolute value + phase
* complex form

Fourier integralSampling theorem | Level: EntryScore: 10Number of questions: 1 |
| Expressions of analog modulations (AM, FM PM)Spectra of AM/DSB, AM/DSB/SC, AM/SSBNonuniform quantization Simple properties of Fourier transformDigital modulation (ASK, FSK, PSK) | Level: LightScore: 1Number of questions: 3 |
| Parseval’s theoremAutocorrelation function and its propertiesStereo baseband signalPre-emphasis, de-emphasisOther properties of Fourier transformQAM, QPSK | Level: MediumScore: 2Number of questions: 2 |
| Deriving of* Discrete Fourier transform
* Fast Fourier transform
* Viterbi algorithm
* Intersymbol interference
* OFDM
 | Level: HardScore: 4Number of questions: 2 |

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| Mark: | Scores: |
| 2 | 13-14 |
| 3 | 15-16 |
| 4 | 17-18 |
| 5 | 19-20 |