## University of Mumbai

## Program: Electronics \& Telecommunication Engineering

Curriculum Scheme: Rev2016
Examination: Third Year Semester : V
Course Code: ECC 504 and Course Name: Discrete Time Signal Processing Time: 1 hour

Max. Marks: 50

For the students:- All the Questions are compulsory and carry equal marks .



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| Q14. | In the truncation of positive number, the truncation error is always |
| Option A: | Undetermined |
| Option B: | Positive |
| Option C: | Negative |
| Option D: | zero |
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| Q15. | Deadline is the finite value of the output when the recursive cycle enters to which cycle? |
| Option A: | Infinite Cycle |
| Option B: | Under cycle |
| Option C: | Undetermined Cycle |
| Option D: | Limit Cycle |
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| Q16. | The System output noise power due to product quantization error is called as |
| Option A: | Roundoff |
| Option B: | Rounding Off |
| Option C: | Round Off Noise power |
| Option D: | Round Off Noise Error |
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| Q17. | Which maintains the track of addresses of input data as well as the coefficients stored in data and program memories? |
| Option A: | Data Address Generators |
| Option B: | Program sequences |
| Option C: | Barrel Shifter |
| Option D: | MAC |
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| Q18. | What is the reason for the need of high speed DSP? |
| Option A: | Less power consumption at higher speeds |
| Option B: | Better processing capabilities |
| Option C: | High sampling frequency |
| Option D: | Easily programmable |
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| Q19. | The interface between an analog signal and a digital processor is |
| Option A: | D/A converter |
| Option B: | A/D converter |
| Option C: | Modulator |
| Option D: | Demodulator |
|  |  |
| Q20. | Which is a typical application of digital signal processing? |
| Option A: | Noise insertion |
| Option B: | Music signal processing |
| Option C: | Image processing |
| Option D: | Both B \& C |
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| Q21. | The radar in which the same antenna is used for both transmission and reception is called as ... |
| Option A: | Bistatic radar |
| Option B: | Monostatic radar |



