

B.Tech.2(CSE-3rd Sem) DCOM (EC209)

External Practical Quiz Exam 27th Nov., 2020

1. TIME : 2:00 PM TO 2:20 PM (Including Submission Time)
2. 10 QUESTIONS & 10 MARKS
3. ENTER YOUR "CORRECT" ADMISSION NUMBER, DIVISION, NAME & MICROSOFT TEAMS EMAIL ID.
4. SUBMIT BEFORE TIME TO AVOID PROBLEMS.
5. Sign In/Submit Problems are student end problems.
6. Result will be declared later on.

* Required

Email address *

u19cs012@coed.svnit.ac.in

ADMISSION NUMBER (IT IS MUST & ENTER LIKE U19CSXXX) (Be Careful in Admission Number) *

U19CS012

DIVISION (Write A or B) *

A

EMAIL ID (ENTER MICROSOFT TEAMS Email) LIKE
(U19CSXXX@svnitsuratg.onmicrosoft.com) *

U19CS012@svnitsuratg.onmicrosoft.com

FULL NAME OF STUDENT IN CAPITAL ONLY *

BHAGYA VINOD RANA

Calculate power in each sideband, if power of carrier wave is 176W and there is 60% modulation in amplitude modulated signal? *

1 point

- ☐ 13.36W
- ☐ 52W
- ☐ 67W
- ☒ 15.84W



For 100% modulation, power in each sideband is _____ of that of carrier. 1 point

*

- ☐ 50%
- ☐ 70%
- ☒ 25%
- ☐ 60%

Mixing is used in communication to _____ *

1 point

- ☐ raise the carrier frequency
- ☐ lower the carrier frequency
- ☐ to alter the deviation
- ☒ to change the carrier frequency to any required value

When aliasing will take place? *

1 point

- ☒ Sampling signals less than Nyquist Rate
- ☐ Sampling signals more than Nyquist Rate
- ☐ Sampling signals equal to Nyquist Rate
- ☐ Sampling signals at a rate which is twice of Nyquist Rate

Coherent detection of binary ASK signal requires _____ *

1 point

- ☐ Phase synchronization
- ☐ Timing synchronization
- ☐ Amplitude synchronization
- ☒ Both a and b

In uniform quantization process _____ *

1 point

- ☐ The step size remains same
- ☐ Step size varies according to the values of the input signal
- ☐ The quantizer has linear characteristics
- ☒ Both a and c are correct



The narrow samples produced at the pulse demodulator output are distributed to appropriate low pass reconstruction filter by means of _____ *

1 point

- ☐ Commutator
- ☐ Multiplexer
- ☒ Decommulator
- ☐ Demultiplexer

If the number of quantization levels in PCM system is 64 then the number of bits per word will be _____ *

1 point

- ☐ 16
- ☒ 6
- ☐ 8
- ☐ 32

_____ most affected by noise *

1 point


- ☐ PSK
- ☒ ASK
- ☐ FSK
- ☐ DPSK

The aperture effect in flat top pulses is reduced by using a/an _____ *

1 point

- ☒ Equalizer
- ☐ Integrator
- ☐ Predictor
- ☐ Compander

Submission ID (skip this field) *

 DO NOT EDIT this field or your time will not be recorded.

Your answer

Submit

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