

X



reviewer4@nptel.iitm.ac.in ▼

Courses » Modern Digital Communication Techniques

Announcements **Course** Ask a Question Progress FAQ

Unit 6 - Week 4

Register for Certification exam

Course outline

How to access the portal

Week 0

Week 1

Week 2

Week 3

Week 4

- Lecture 16 : Analog to Digital Conversion (Contd.)
- Lecture 17 : Characterization of Signals and Systems
- Lecture 18: Characterization of Signals and Systems (Contd.)
- Lecture 19 : Characterization of Signals and Systems (Contd.)
- Lecture 20 : Characterization

Week 4 Assignment 4

The due date for submitting this assignment has passed. As per our records you have not submitted this assignment. **Due on 2019-02-27, 23:59 IST.**

1) a. 1 point
 b.
 c.
 d.

No, the answer is incorrect.
 Score: 0

Accepted Answers:
 b.

2) a. 1 point
 b.
 c.
 d.

No, the answer is incorrect.
 Score: 0

Accepted Answers:
 a.

3) a. 1 point
 b.
 c.
 d.

No, the answer is incorrect.
 Score: 0

Accepted Answers:
 a

© 2014 NPTEL - Privacy & Terms - Honor Code - FAQs -

A project of



In association with



Funded by

- Feedback for Week 4
- Week 5**
- Week 6**
- Week 7**
- Week 8**
- Week 9**
- Week 10**
- Week 11**
- Week 12**
- DOWNLOAD VIDEOS**
- Assignment Solution**


ce De


No, the answer is incorrect.
Score: 0

Accepted Answers:
c.

5) a. **1 point**

b.


c. 

d. 

No, the answer is incorrect.
Score: 0

Accepted Answers:
a.

6) **1 point**

Three independent messages have bandwidths of 1000 Hz, 2000 Hz and 4000 Hz respectively. Each is sampled at the Nyquist rate and the samples are time division multiplexed and transmitted. The minimum sampling rate (in kilosamples/s) is 

a. 14

b. 18

c. 16

d. 20

a.

b.

c.

d.

No, the answer is incorrect.
Score: 0

Accepted Answers:
a.

7) a. **1 point**

b.

c.

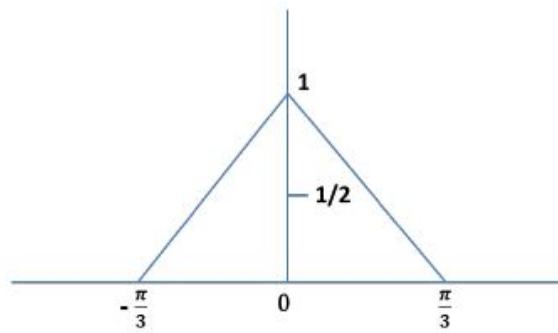
d.

No, the answer is incorrect.
Score: 0

Accepted Answers:
a.

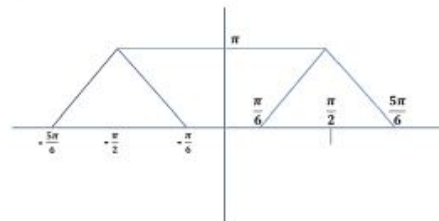
8) **1 point**

The Fourier transform of a signal $x(n)$ is shown below

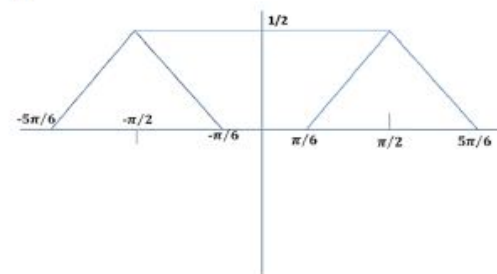


then the fourier transform of $x(n)\cos(\pi n/2)$ can be shown as,

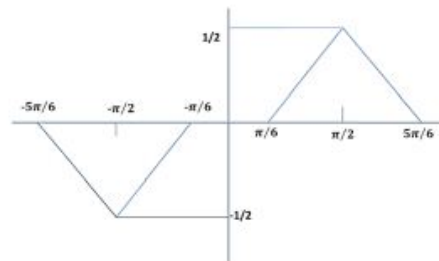
(a)



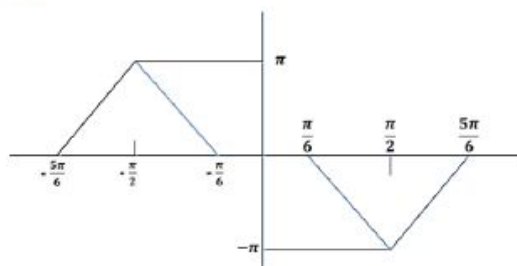
(b)



(c)



(d)



a



- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

b



1 point

- 9) a.
- b.
 - c.
 - d.



No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

- 10) a.
- b.
 - c.
 - d.

1 point

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

- 11) a.
- b.
 - c.
 - d.

1 point

No, the answer is incorrect.

Score: 0

Accepted Answers:

b.

- 12) a.
- b.
 - c.
 - d.

1 point

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

- 13) a.
- b.
 - c.
 - d.

1 point

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

- 14) a.
 b.
 c.
 d.

1 point



No, the answer is incorrect.

Score: 0

Accepted Answers:

b.

- 15) a.
 b.
 c.
 d.

1 point



No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

Previous Page

End