

INFORMATION COMMUNICATION TECHNOLOGY

G.C.E. Advanced Level

Revision – Tutorial 30

Duration: 60 minutes

Answer all questions

- 1) Why do we need digital encoding for digital data?
- 2) Following bit patterns a representing some portion of digital data. Draw the encoding patterns according to each technique.

Pattern 1	0	1	1	0	0	1	1	1	0	0	0	1	0	1	0
Bipolar-AMI															
NRZ-L															
NRZ-I															
Manchester															
Differential Manchester															

Pattern 2

	0	1	0	1	1	1	1	0	0	0	1	1	0	0	1	
Bipolar-AMI																
NRZ-L																
NRZ-I																
Manchester																
Differential Manchester																

Pattern 3

	1	1	0	0	1	1	0	1	0	1	0	1	0	0	1	
Bipolar-AMI																
NRZ-L																
NRZ-I																
Manchester																
Differential Manchester																

3. Show how to create an XML document to keep the contents shown in the following table.

Foods

Item	Unit Price	Qty
Ice cream	Rs.275.00	1
Chocolate	Rs.320.00	3
Cheese	Rs.180.00	7
Cashew	Rs.370.00	2

4. Write an XML coding can be used to transfer details of the form of HTML page.

Date

March	04	2012
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First Name: Last Name:

E-mail address:

Message Subject:

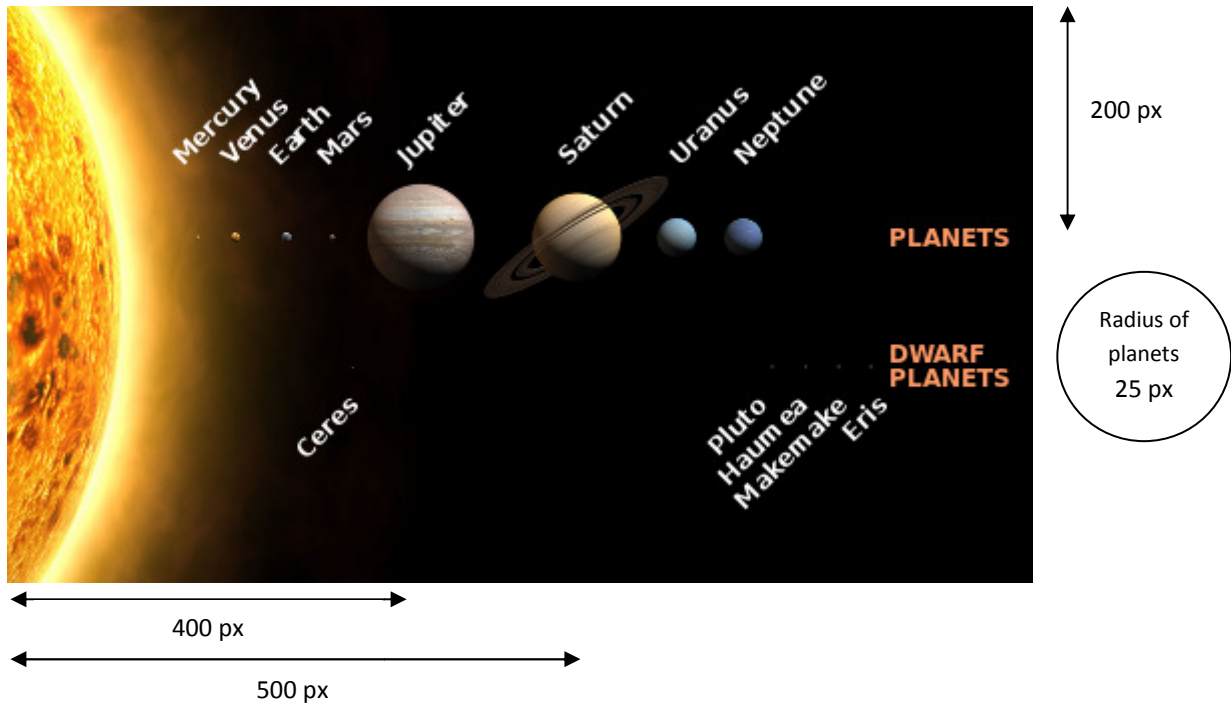
Enter your Message:

Dear Students,
Revision class schedule has changed. You can get all the details from
apepanthiya.

5. Create an image map for following picture according to the instructions given below.

When user move the mouse pointer to the area of Jupiter, it should display “Planet Jupiter” and if click on the area of Jupiter, it should be opened “jupiter.jpg”

When user move the mouse pointer to the area of Saturn, it should display “Planet Saturn” and if click on the area of Saturn, it should be opened “saturn.jpg”



***** END of Question Paper *****