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F.Y. B.Sc. (Animation) EXAMINATION, 2017

Paper I

ELEMENTS OF INFORMATION TECHNOLOGY

(2012 PATTERN)

Time : Three Hours

Maximum Marks : 80

N.B. :— (i) *All* questions are compulsory.

(ii) Figures to right indicate full marks.

(iii) Neat diagrams must be drawn wherever necessary.

1. Answer any *ten* of the following : [2×10=20]

(a) Explain Taskbar.

(b) What are differences between DIV and SPAN in HTML ?

(c) What are the most important new features of HTML5 ?

(d) Which strategies used for specifying font size ?

(e) Which are the three different values for positioning a division on the page ?

(f) Write down syntax for <video> tag and list attribute of it.

(g) What is algorithm ?

(h) What is file ?

(i) List *four* types of computer.

P.T.O.

- (j) What is volatile memory ? Give the example of volatile memory.
- (k) What is programming language ?
- (l) List the types of programming language.

2. Attempt any *three* of the following : [5×3=15]

- (a) Write a note on Assembly language.
- (b) What is ROM ? Describe its various types.
- (c) Write a short note on Plotter.
- (d) Write an algorithm to find maximum of three number.
- (e) Explain Batch Operating System.

3. Attempt any *three* of the following : [5×3=15]

- (a) Write a short note on CD.
- (b) Explain time sharing operating system.
- (c) How we change cell padding, spacing and alignment of the HTML table ?
- (d) Write a note on Pen drive
- (e) What are characteristics of Algorithm ?

4. Answer any *three* of the following : [5×3=15]

- (a) Draw a flowchart for calculation of compound interest

Where P = Principle, N = No. of time periods

R = Rate of interest

CI = Compound Interest and

$$CI = P * (1 + R/100) ^ N - P$$

- (b) Draw a flowchart to find factorial of number.
- (c) Draw a flowchart for printing maximum of given any 100 number.
- (d) Write an HTML code to display the following output :
 - (1) Apple
 - (2) Banana
 - (3) Grapes
 - (4) Orange
- (e) Draw a flowchart to print 10 terms of Fibonacci number.

5. Answer any *three* of the following : [5×3=15]

- (a) What is indent ? Explain *three* types of indentation.
- (b) Explain control Panel in MS-Windows.
- (c) Write a note on Scanner.
- (d) Explain the following terms :
 - (1) Partial path
 - (2) Relative path
 - (3) Absolute path
- (e) Which are the different ways for selecting graphics format ?