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Roll No. :

322355(22)

B. E. (Third Semester) Examination, Nov.-Dec. 2021

(New Scheme)

(CSE Branch)

COMPUTER CONCEPTS & WEB TECHNOLOGY

Time Allowed : Three hours

Maximum Marks : 80

Minimum Pass Marks : 28

Note : Attempt all questions. Part (a) of each question is compulsory and carries 2 marks each and attempt two parts from (b), (c) and (d) carrying 7 marks each.

Unit-I

1. (a) What is system clock?

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- (b) What do you mean by system software? Explain its types.
- (c) Differentiate between 32-bit and 64-bit processor.
- (d) Why an operating system is required for a computer? Explain the following :
- (i) Batch operating system
 - (ii) Multiprogramming operating system

Unit-II

2. (a) What is protocol?
- (b) What are the services provided by Internet? Describe the working of email system.
- (c) Explain Asynchronous, synchronous and Isochronous mode of transmission.
- (d) Draw and explain :
- (i) Twisted pair cable
 - (ii) Coaxial cable

Unit-III

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3. (a) How will you create a password field in HTML form.
- (b) Design an HTML page which makes use of internal and external hyperlinking as well as image as link.
- (c) What is DTD? How to define DTD for single element, Nested element and attribute in XML?
- (d) What is XSL, XLINK, XPATH and XPOINTER?

Unit-IV

4. (a) What is scripting language?
- (b) Describe exception handling using by catch statement in Java Script.
- (c) Explain in detail CSS border of CSS outline.
- (d) Explain about the object that helps AJAX to reload parts of a web page reloading the whole page.

Unit-V

5. (a) How is session tracking achieved by URL rewriting.

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- (b) Explain the life cycle of applet. How will you pass parameters to applet.
- (c) Explain the environment variable in CGI & also explain debugging the CGI program.
- (d) Describe the type of operation used in perl.