

MAR-APRIL 2023

Total No. of Questions : 5]

SEAT No. :

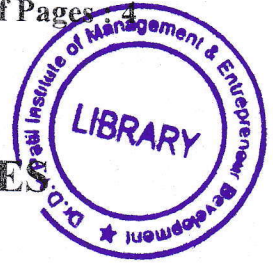
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[Total No. of Pages : 4

[6027]-23

F.Y. M.C.A. (Management)

IT-23 : ADVANCED INTERNET TECHNOLOGIES
(2020 Pattern) (Semester - II)



Time : 2½ Hours]

[Max. Marks : 50

Instructions to the candidates :

- 1) All questions are compulsory.
- 2) Draw neat and labeled diagrams wherever necessary.

Q1) Choose the correct option (½ Mark each)

[10]

- i) Each table header is defined by a _____ tag.
 - a) <cell> ... </cell>
 - b) <tr> ... </tr>
 - c) <th> ... </th>
 - d) <td> ... </td>
- ii) HTML headings are defined with the _____ tags.
 - a) <head1> to <head6>
 - b) <p1> to <p6>
 - c) <h1> to <h6>
 - d) <h1> to <h3>
- iii) The CSS property used to control the element's font-size is -
 - a) text-style
 - b) text-size
 - c) font-size
 - d) None of the above
- iv) The CSS property used to make the text bold is -
 - a) font-weight: bold
 - b) weight: bold
 - c) font: bold
 - d) style: bold
- v) Which of the following extension is used to save the Node.js files?
 - a) .js
 - b) .node
 - c) .java
 - d) .txt
- vi) Choose the module which is used to server static resources in Node.js?
 - a) http
 - b) node-static
 - c) node-resource
 - d) static

P.T.O.

vii) What does the fs module stand for?

- a) File Store
- b) File Service
- c) File System
- d) None of the above

viii) Which NodeJS object specifies the name of the directory which contains the code?

- a) `__dirname`
- b) Buffer
- c) `__filename`
- d) None of the above

ix) Which of the following is the correct syntax for writing Angular expressions?

- a) `(expression)`
- b) `{{expression}}`
- c) `{{{expression}}}`
- d) `[expression]`

x) How to start Node REPL on command line?

- a) `$ node start`
- b) `$ node`
- c) `$ node repl`
- d) `$ node console`

xi) What is the use of Angular Controllers in the application?

- a) Angular controllers are used for controlling the data.
- b) Angular controllers are used for displaying the data.
- c) Both of the above are correct.
- d) None of the above is correct.

xii) Which command will show all the modules that are installed globally?

- a) `$ npm ls-g`
- b) `$ npm ls`
- c) `$ node ls-g`
- d) `$ node ls`

xiii) Which statement is commonly used for printing the PHP output?

- a) `write`
- b) `php write`
- c) `log`
- d) `echo`

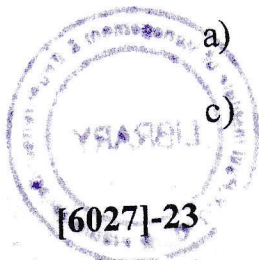
xiv) Which is not a valid variable name in PHP?

- a) `$age`
- b) `$_age`
- c) `$PersonAge`
- d) `$lage`



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- xv) What is the difference between Indexed array and Associative array in PHP?
- a) Index array has numeric index while associative array has named keys
 - b) Index array has numeric index while associative array has named keys and numeric index both
 - c) Index array is one-dimensional array with numeric index while associative array is two-dimensional array with numeric index
 - d) Index array has numeric index while associative array has one or more arrays
- xvi) Which PHP function is used to create an array?
- a) array()
 - b) arr()
 - c) new_array()
 - d) _array()
- xvii) Which PHP global variable is used to collect form data after submitting an HTML form with method="post"?
- a) \$_GET
 - b) \$_REQUEST
 - c) \$_POST
 - d) \$_ENV
- xviii) What does PDO stand for?
- a) PHP Database Orientation
 - b) PHP Data Orientation
 - c) PHP Data Object
 - d) PHP Database Object
- xix) Which variable is used to collect form data sent with both the GET and POST methods?
- a) \$_BOTH
 - b) \$REQUEST
 - c) \$_REQUEST
 - d) \$BOTH
- xx) Which of the following function returns the number of characters in a string variable?
- a) count(\$variable)
 - b) len(\$variable)
 - c) strcount(\$variable)
 - d) strlen(\$variable)



- Q2) a) Explain types of CSS? Elaborate using external CSS example. [5]
b) Write a program using <SVG> tag to draw line, rectangle and triangle shapes. [5]

OR

- c) Describe <video> tag with all its properties of with example. [5]
d) Write CSS for paragraph tag: border 1. color-blue, font size-20, font name- arial, padding 50px. [5]

- Q3) a) What is Node.js? Explain its working and features. [5]
b) Write a program in NodeJS using event handling to perform all basic arithmetic operations. [5]

OR

- c) What are the different types of modules in NodeJS? [5]
d) Write a program in NodeJS to perform file CRUD operations by using url module. [5]

- Q4) a) What are the different services in Angular? [5]
b) Create an angular program which will demonstrate the usage of ngfor directive. [5]

OR

- c) Explain Angular project directory structure in detail. [5]
d) What is data binding in Angular? Explain with example. [5]

- Q5) a) What is an associative array in PHP? Explain with example. [5]
b) Write a PHP script to design a form for exam registration. Insert 5 records in database and display all the inserted records on new page. (Assume suitable table structure) [5]

OR

- c) Explain static, local and global variables in PHP with suitable example. [5]
d) Explain all array sorting methods in PHP with suitable example. [5]

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