

Total No. of Questions : 5]

SEAT No. :

PA-2558

[Total No. of Pages : 4

[5948]-203

M.C.A. - I (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 diagram wherever necessary.



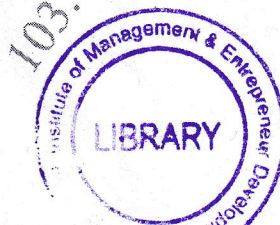
Q1) Choose the correct option (½ mark each)

[10]

- a) Choose the item below that is not semantic element for text in HTML5.
 - i) `<wbr>`
 - ii) `<time>`
 - iii) `<mark>`
 - iv) `<article>`
- b) _____ is not a HTML5 tag.
 - i) `<source>`
 - ii) `<video>`
 - iii) `<slider>`
 - iv) `<canvas>`
- c) Which of the property in CSS used to change the background color of an element is _____
 - i) `bgcolor`
 - ii) `color`
 - iii) `background-color`
 - iv) All of the above
- d) Which selector is used to selects the elements that are the default among a set of similar elements?
 - i) `: : after`
 - ii) `: disabled`
 - iii) `: default`
 - iv) `: checked`
- e) Have to start Node REPL?
 - i) `$ node start`
 - ii) `$ node`
 - iii) `$ node repl`
 - iv) `$ node console`
- f) How to get an absolute path?
 - i) `Os.resolve ('main. js')`
 - ii) `Path. resolve ('main. js')`
 - iii) `fs. resolve ('main. js')`
 - iv) None of the above
- g) Which module is required for operating system specific operations?
 - i) OS module
 - ii) fs module
 - iii) net module
 - iv) None of the mentioned

P.T.O.

- sh) Which command will show all the modules installed globally?
- \$ npm ls -g
 - \$ npm ls
 - \$ node ls -g
 - \$ node ls
- i) REPL is for
- Research Eval Program Learn
 - Read Eval Print Loop
 - Read Earn Point Learn
 - Read Eval Point Loop
- j) What is the use of angular controllers in the application?
- angular controller are used for controlling the data
 - angular controller are used for displaying the data
 - Both of the above are correct
 - None of the above
- k) Which of the following is an advantages of AngularJS?
- AngularJS code is unit testable
 - AngularJS provides reusable components.
 - AngularJS uses dependency injection and makes use of separation of concerns.
 - All of the mentioned
- l) AngularJS is a _____ framework.
- HTML
 - Java
 - Javascript
 - SQL
- m) On which of the architectural pattern AngularJS is based?
- Observer pattern
 - Decorater patteren
 - MVC architecture pattern
 - MVVM architectural pattern
- n) Select the directive which hide or shows the HTML element.
- ng- list
 - ng- hidi
 - ng- copy
 - ng- open
- o) In PHP array index starts with position _____
- 1
 - 0
 - 2
 - 1
- p) _____ is not a variable scope in PHP.
- Extern
 - Local
 - Static
 - Global
- q) What is tue use of isset () function in PHP?
- It is used to check whether variable is set are not
 - It is used to check whether variable is free or not
 - It is used to check whether variable is string or not
 - None of the mentioned



- r) Which of the following is the correct syntax to add comment in php?
- i) &-----&
 - ii) // -----
 - iii) /* ----- */
 - iv) both b & c
- s) Which of the following is the correct way of defining a variable in PHP?
- i) \$ Variable name = value;
 - ii) \$ Variable name = value;
 - iii) \$ Variable = name = value;
 - iv) \$ Variable name as value;
- t) Which of the following is true use for strlen() function in PHP?
- i) It returns the type of string
 - ii) It returns the length of string
 - iii) It returns the value of string
 - iv) It returns both value & type of string

- Q2) a) What is Node.js module? Explain its types in brief. [5]
- b) Write a program to demonstrate `ngif` & `ngswitch` statements. [5]

OR

- a) What are different services in angular? [5]
- b) Write a program to read the query string using `url` property in Node.js. [5]

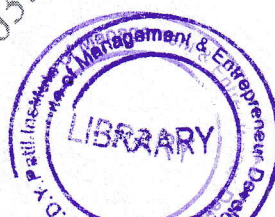
- Q3) a) What is NPM? How packages installed locally and globally? [5]

- b) Create angular program which will demonstrate the usage of component directive. [5]

OR

- a) What are the Typescript components? [5]

- b) Write a program using NPM which will convert entered string into lower case & upper case. [5]



Q4) a) Explain <audio> and <canvas> tags in HTML5 with suitable examples. [4]

b) Write a PHP script to demonstrate variables in PHP. Use Globals, local & global keyword to access variables. [4]

c) Differentiate between include & require [2]

OR

a) What are semantic elements and how it works in HTML5? [4]

b) Write a PHP script to demonstrate any 4 operators. [4]

c) What is Var- dump() function in PHP? [2]

Q5) a) What are selectors in CSS? Explain with suitable example. [4]

b) Write a PHP script to display employees belongs to IT department and salary is in between 30,000 – 80,000 and store found records into another table. [6]

(Assume suitable table structure)

OR

a) What is CSS framework? What are the different sorts of css framework? [4]

b) Write a PHP script & insert at least 5 records into it & update specific record in database. Assume student table with required fields in database. [6]

