

Total No. of Questions : 5]

SEAT No. :

P4035

[Total No. of Pages : 2

[5803]-404

S.Y. B.B.A. (Computer Applications)

CA - 404 : NODE JS

(2019 Pattern) (Semester - IV)

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *All questions are compulsory.*
- 2) *Figures to the right indicate full marks.*

Q1) Answer the following (Any Eight) :

[8 × 2 = 16]

- a) What is Node. JS?
- b) Which type of applications we build using Node. JS?
- c) What is the use of Registry?
- d) Define Anonymous function.
- e) Explain Web Server.
- f) What is Package? JS on file.
- g) Explain global package.
- h) List out the parameters of CreateConnection ().
- i) Write down the Syntax to Concatenate Node buffers to a Single Node Buffer.
- j) Write down the types of modules in Node. JS.

Q2) Answer the following (Any Four) :

[4 × 4 = 16]

- a) Explain Node. JS Process Model.
- b) Write down the steps to create local module.
- c) Write Node.JS program which will convert the output “SY BCA” into upper-case.
- d) Explain the use of Buffer and How to create Buffer.
- e) Explain the need of NPM.

P.T.O.

Q3) Answer the following (Any Four) :

[4 × 4 = 16]

- a) Write a Node. JS Script to check a given number is Perfect or Not using function.
- b) What is Module? Explain Third Party Module.
- c) What is Synchronous and Asynchronous approach?
- d) What is Event Driven Programming?
- e) Explain Anonymous function with an example.

Q4) Answer the following (Any Four) :

[4 × 4 = 16]

- a) Explain the syntax to create a text file and delete the file.
- b) Explain any two methods of EventEmitter class.
- c) Write a Node. JS Script to check a given number is even or odd using function.
- d) Write Node.JS program to count the occurrence of given word in a file and display the count on Console.
- e) Write a Program to define Module Circle. JS which exports the functions area () and Circumference () and display the details on console.

Q5) Answer the following (Any Two) :

[2 × 3 = 6]

- a) Which databases does Node. JS Supports.
- b) Write down the Connection String of Node.JS and MySQL.
- c) Explain the use of REPL.

