



**Progressive Education Society's
Modern College of Arts, Science & Commerce Ganeshkhind
(Autonomous), Pune – 16
End Semester Examination: March/April 2024
Faculty: Commerce**

Program: BBA(Computer Application) Semester: IV
Program (Specific): BBACA07
Class: SYBBACA
Name of the Course: Node JS
Course Code: 23-BBACA244
Paper: -

SET: B
Course Type: CC
Max.Marks: 70

Time: 2:30 Hrs.

Instructions to the candidate:

- 1) *There are 4 sections in the question paper. Write each section on separate page.*
- 2) *All Sections are compulsory.*
- 3) *Figures to the right indicate full marks.*
- 4) *Draw a well labelled diagram wherever necessary.*

Section A

Q1) Answer the following.

[10 x 1 =10 marks]

- 1) is an interactive shell that processes Node.
a)REPL b)REAL c)RESP d)READ
- 2) Which method in the buffer is used to read a file?
a)buffer.toString() b)buffer.read() c)buffer.from() d)buffer.concat()
- 3) Which of the following fs module is used to close a file?
a)fs.close() b)fs.open() c)fs.closepath() d)fs.exit()
- 4) Which of the following nodejs module split up a web address into readable parts?
a)URL b)Address c)Method d)Class
- 5) Which of the following is a valid HTTP method?
a)Post b)Print c)Cut d)Copy
- 6) Which node module is used to handle binary data?
a)Binary b)Buffer c)Crypto d)dgram
- 7) Which node module is used for zip and unzip functionalities?
a)Zlib b)Buffer c)Exports d)Binary
- 8) What does the fs module stand for?
a)File Store b)File Service c)File System d)File Serial
- 9) Which of the following commands is used to install the node.js express module?
a)npm install express module b)node install express c)npm init -y
d)node filename express
- 10) Which of the following extension is used to save the node.js files?
a).js b).node c).java d).txt

Section B

Q.2] Answer the Following. (Any 10)

[10x2 =20 M]

- 1) Define Anonymous function.
- 2) Write any two advantages of Node.JS.
- 3) What is Node.JS?
- 4) What is Server Side Scripting?
- 5) Enlist application of Node.JS.
- 6) Is Node.JS cross platform.
- 7) What is non-blocking in Node.JS?
- 8) Define Event Programming.
- 9) What is dynamic website?
- 10) Define removeListener().
- 11) What is local scope function?
- 12) Define Buffer.

Section C

Q3) Answer the following. (Any 4)

[5x4=20 M]

- 1) Explain steps to install node.js on windows.
- 2) What is Synchronous and Asynchronous approach?
- 3) Write Node.JS program to count the occurrence of given word in a file and display the count on Console.
- 4) Write a Node.JS program to check given number is even or odd using the function.
- 5) Write difference between javascript and NodeJS.
- 6) What is NPM? Explain with its need of NPM.

Section D

Q4) Answer the Following (Any 4).

[5x4=20M]

- 1) How to write file Synchronous data from a file explain with suitable program.
- 2) Explain the use of Buffer and How to create Buffer?
- 3) Explain function scope in detail.
- 4) Explain Node.JS process model with the help of diagram.
- 5) How does Node.JS handles a file request.
- 6) What is purpose of object module exports in Node.JS?