

PARUL UNIVERSITY
FACULTY OF IT & COMPUTER SCIENCE
BCA/B.Sc.(IT)/IMCA(AY_IV) Summer 2022 – 23 Examination

Semester: 4**Date: 21/03/2023****Subject Code: 05101264/05302254/05102254****Time: 10.30am to 1.00pm****Subject Name: Full Stack Web Development - I****Total Marks: 60****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.

Q.1 Answer the followings.**A. Answer / Define the following in short. (05)**

1. write the syntax of HTML5 declaration
2. Write the syntax for using an external .css file in a htmlfile
3. Write commands for configuring Git
4. what is BJSON?
5. What is DOM?

B. Multiple choice type questions/ Give the sentence true or false. (Each of 01 marks) (10)

1. HTTP is a stateless protocol
true or false.
2. The JavaScript Engine embedded in Google Chrome is
a) Spider monk
b) Fox
c) V8
d) None of the above
3. The syntax for importing a module in react js code is
a) import
b) using
c) require
d) All of the above
4. The use of JSON instead of XML is always advised as
a) It is light weight
b) It is simple to understand and read
c) it has no user defined tags
d) a and b
5. The entry point of a React Application is
a) index.html
b) index.js
c) app.js
d) none of the above
6. The default port for a node application is
a) 5000
b) 3000
c) 2000
d) all of the above
7. What is true about MongoDB?
a) It is schema less
b) a collection could contain different data in the form of documents
c) It is based on BJSON
d) All of the above
8. Mongoose is written using the language of
a) Python
b) JavaScript
c) Java
d) C++

9.what is true about GIT ?

- a) It is a version control system
- b) we could maintain different versions of a same program
- c) It could be integrated with GitHub
- d) All of the above

10.The purpose of .gitignore is

- a)gitignore files contain patterns that are matched against file names in your repository to determine whether or not they should be ignored.
- b)There is no special command for git ignore
- c)the .gitignore file must be edited and committed by hand when you have new files that you wish to ignore.
- d) All of the above

Q.2 Answer the followings. (3 Marks Questions.) (Any Five) (15)

1. Write a sample code for inline css in a html file to implement font style
2. write the steps for committing a file into git and see the commit ids
3. Explain the two ways of using Bootstrap in our html code
4. What is mogosh?
5. Explain the data types in MongoDB
6. Explain SPA(Single Page Application)

Q.3 Answer the following. (5 Marks Questions)(Any three) (15)

1. Explain the three ways of using css in html
2. Explain the advantages of Bootstrap
3. Explain the File Directory structure of a React Application
4. Explain the difference between JSON and XML

Q.4 Answer the following in detail.

- A.** Explain the steps of using git in the Project. (05)
- B.(1)** Explain the difference between MongoDB and MySQL (05)
- B.(2)** Explain the flow of execution of a react application (05)

OR

- B.(1)** What is fs module in Node. Write a node js code to read a file. (05)
- B.(2)** What is http module. Write a sample code to run a node application in a port. (05)