

Roll No: \_\_\_\_\_

**Amrita Vishwa Vidyapeetham**  
B.Tech. Second Assessment - September -2018  
Fifth Semester  
Computer Science and Engineering  
**15CSE337 Cloud Computing and Services**

**Answer all the questions**

1. State the difference between J2EE framework and Node JS framework. (3 Marks)
2. Consider two html files called as **home.html** and **about.html**. Create a Node js server program to display these two files using URL module. Use the given code snippet to complete the program. [<http://localhost:8080/home.html> and <http://localhost:8080/about.html>] (6 Marks)

```
var http = require('http');
var url = require('url');
var fs = require('fs');

http._____ (function (req, res) {
  var q = url._____ (req.url, true);
  var filename = "." + q.pathname;
  fs._____ (_____, function (err, data) {
    if (err) {
      res.writeHead(404, {'Content-Type': '_____'});
      return res.end("404 Not Found");
    }
    res.writeHead(_____, {'Content-Type': '_____'});
    res._____ ;
    return res.end();
  });
}).listen(8080);
```

3. Explain the following terms. (6 Marks)
  - a. Node Js Modules
  - b. npm init and npm install
4. Draw the AWS EC2 architecture and explain the same. (5 Marks)

5. India competed at the 2018 Asian Games in Jakarta and Palembang, Indonesia, from 18th August to 2nd September. Neeraj Chopra was the flag bearer for the opening ceremony while Rani Rampal was named as the flag bearer for the closing ceremony. India bettered its previous best medal haul achieved 8 years earlier at the 2010 Asian Games in Guangzhou, China. [Refer: [https://en.wikipedia.org/wiki/India\\_at\\_the\\_2018\\_Asian\\_Games](https://en.wikipedia.org/wiki/India_at_the_2018_Asian_Games) ].  
Create a file called “**medalsbysport.txt**” and store the medal details and place it in Amazon S3. Create a bucket “AsianGames” and place the “**medalsbysport.txt**” into the bucket [8 Marks].
6. Design page to display the medal details from Amazon S3. The page should allow the user to choose/filter the medals by sports category wise and medal wise [16 Marks].
7. Construct a page that should visualize the medal tally in the form of pie chart (Sports vs Medal) [6 Marks].