CROSS RIVER UNIVERSITY OF TECHNOLOGY, CALABAR
DEPARTMENT OF COMPUTER SCIENCE

COURSE CODE: CSC 4107
COURSE TITLE: NETCENTRIC COMPUTING **TIME: 2HRS**
INSTRUCTION: ANSWER QUESTIONS ONE AND ANY OTHER TWO

1. The earliest computer systems functioned in isolation from one another; but today it is almost impossible to conceive of a computer system that is not networked in some way to other systems. This includes not only desktop and laptop computers, but also devices such as cell phones; entertainment devices, etc. discuss this phenomenon in the context of this course.
2. In common parlance, we regard "network" and the "internet" as virtual synonyms. But actually the term "the internet" originates from the term "internet" (lower-case I), which is simply a network that connects other networks. There were (lowercase I) internets long before the (uppercase I) internet as we know it today became dominant in 1990's. Make the distinction between internet, internet, networks, intranet, and extranets. In terms of distributed computing.
3. Explain different models for deployment in cloud computing?
   II What is the different in cloud computing and computing for mobiles?
   III How user can gain from utility computing?
   IV What is the security aspects provided with cloud?
   V In cloud computing what are the different layers?

4. Explain a system that connects devices through the internet which basically provides platform for devices to interact and collaborates with each other.

   List and explain the components of IoT

5. Briefly discuss distributed systems
   I what do you understand by distributed computing?
   II How are computers in a distributed computing arranged?
   III computers in a distributed system are physically present in a location?
   IV What are the merits of distributed computing?

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INSTRUCTION: Answer all question in section one 2 marks each and any two in section two

1. A piece of icon or image on web page associated with another webpage is called a) url b) hyperlink c) plugin d) none of the mentioned
2. Dynamic webpage a) is same every time whenever it displays b) generates on demand by a program or a request from browser c) both (a) and (b) d) none of the mentioned
3. What is web browser? a) a program that can display a web page b) a program used to view html documents c) it enables user to access the resources of internet d) all of the mentioned
4. Common gateway interface is used to a) generate executable files from web content by web server b) generate web pages c) stream videos d) none of the mentioned
5. URL stands for a) unique reference label b) uniform reference label c) uniform resource locator d) unique resource locator
6. A web cookie is a small piece of data a) sent from a website and stored in user's web browser while a user is browsing website b) sent from user and stored in the server while a user is browsing a websites c) sent from root server to all servers d) none of the mentioned
7. Which one of the following is not used to generate dynamic web pages? a) PHP b) ASP.net c) JSP d) none of the mentioned
8. An alternative of JavaScript on windows platform is a)VBScript b) ASP.NET c)JSP d) none of the mentioned
9. What is document object model (DOM)? a) convention for representing and interacting with objects in html documents b) application programming interface c) hierarchy of objects in ASP.NET d) none of the mentioned
10. AJAX stands for a)asynchronous JavaScript and xml b) advanced JSP and xml c) asynchronous JSP and xml d) advanced JavaScript and xml

SECTION TWO

Q1 The term cloud refers to..? There are certain services and models working behind the scene making the cloud computing feasible and accessible to end users. What are the working models for cloud computing?

Q2 Using a simple diagram explain intranet and extranet. What is missing from this group?

Q3 What is TCP/IP protocol? 20mks

Q4 What are the trends in distributed computing?