INDIAN SCHOOL AL WADI AL KABIR

Class: 11th (CS)	Department: Computer Science	Date of submission:
Worksheet No: 4	Topic: Emerging Trends	Note:

1. List some of the cloud-based services that you are using at present.
2. What do you understand by the Internet of Things? List some of its potential applications.
3. Write a short note on the following: a) Cloud computing b) Big data and its characteristics
4. Explain the following along with their applications.
   a) Artificial Intelligence
   b) Machine Learning
5. Differentiate between cloud computing and grid computing with suitable examples.
6. Justify the following statement-
   'Storage of data is cost effective and time saving in cloud computing.'
7. What is on-demand service? How it is provided in cloud computing?
8. Write examples of the following:
    a) Government provided cloud computing platform
    b) Large scale private cloud service providers and the services they provide
9. A company interested in cloud computing is looking for a provider who offers a set of basic services such as virtual server provisioning and on-demand storage that can be combined into a platform for deploying and running customised applications. What type of cloud computing model fits these requirements?
   a) Platform as a Service
   b) Software as a Service
   c) Infrastructure as a Service
10. Which is not one of the features of IoT devices?
    a) Remotely controllable
    b) Programmable
    c) Can turn themselves off if necessary
    d) All of the above
11. What is BIG data? Write down its characteristics
12. Five friends plan to try a startup. However, they have a limited budget and limited computer infrastructure. How can they avail the benefits of cloud services to launch their startup?
13. Governments provide various scholarships to students of different classes. Prepare a report on how blockchain technology can be used to promote accountability, transparency and efficiency in distribution of scholarships?
14. How IoT and WoT are related?
15. Describe SaaS, IaaS, PaaS?
16. How does a smart city work?
17. What do you mean by Block Chain technology? Write few potentials uses for block chain technology.