



S.R.DAY PUBLIC SCHOOL, PUPRI, SITAMARHI

ASSIGNMENT FOR DIWALI & CHHATH VACATION (2022-23)

Class-XI

Subject-Computer Science

- 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 short notes on the Cloud Computing.
- 4) Write short notes on the Big data and its Characteristics
- 5) Explain the Artificial Intelligence along with their applications.
- 6) Explain the Machine Learning along with their applications.
- 7) Differentiate between cloud computing and grid computing with suitable examples.
- 8) Justify the following statement: "Storage of data is cost-effective and time saving in Cloud computing."
- 9) What is on-demand service? How it is provided in cloud computing?
- 10) Write examples of the Government provided cloud computing platform.
- 11) Write examples of the large scale private cloud service providers and the services they provide.
 - ❖ 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?(from Q.12 to Q.15)
- 12) Platform as a Service
- 13) Software as a Service
- 14) Application as a Service
- 15) Infrastructure as a Service
 - ❖ If the government plans to make a smart school by applying IoT concepts, how can each of the following be implemented in order to transform a school into IoT-enabled smart school?(From Q.16 to Q21)
- 16) e-textbooks
- 17) Smart boards
- 18) Online Tests
- 19) Wi-Fi sensors on classrooms doors
- 20) Sensors in buses to monitor their location
- 21) Wearable's (watches or smart belts) for attendance monitoring.
- 22) Five friends plan to try a start-up. However, they have a limited budget and limited computer infrastructure. How can they avail the benefits of cloud services to launch their start-up?
- 23) 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?
- 24) How are IoT and WoT related?
- 25) Match the columns:

Column A

1. You got a reminder to take Medication
2. You got an SMS alert that you forgot to lock the door
3. You got an SMS alert that parking space is available near your block
4. You turned off your LED TV from your wrist watch

Column B

- A. Smart Parking.
- B. Smart
- C. Home Automation
- D. Smart Health