



قائمة الاسئلة

رمز المقرر: حوسبة سحابية - (125) - المستوى 3ا - قسم تقنية معلومات - كلية الحاسوب وتكنولوجيا المعلومات - الفترة الأولى - درجة د.نبيل علي شرف الشويح

- 1) Which of the following is Permanently store and manage data with complex functionalities
 - 1) ☒ Cloud databases
 - 2) ☐ databases
 - 3) ☐ Caching
 - 4) ☐ caching and cloud databases
- 2) provides the theoretical background and practical tools for scientists to explore proteins and DNA
 - 1) ☐ Mobile Computing
 - 2) ☐ Manufacturers of computing
 - 3) ☐ Cloud Platform
 - 4) ☒ Biocomputing
- 3) What are examples of major cloud service providers?
 - 1) ☐ Amazon Web Services (AWS).
 - 2) ☐ Microsoft Office
 - 3) ☐ Google Cloud Platform (GCP).
 - 4) ☒ all off the above
- 4) A computer can be developed that can perform operations 10 or more times faster than a conventional electronic computer.
 - 1) ☒ Optical Computing
 - 2) ☐ EDVAC and IBM-360 series
 - 3) ☐ CRAY-X-MP(Super Computer)
 - 4) ☐ NoteBook and UltraBook
- 5) ---- is a technology that enables a single physical infrastructure to function as a multiple logical infrastructure or resources.
 - 1) ☒ Virtualization
 - 2) ☐ Dynamic data center
 - 3) ☐ Hypervisors
 - 4) ☐ all of the above
- 6) The Guest OS is completely isolated by the virtual machine from the virtualization layer and hardware and cannot communicate to the physical infrastructure directly.
 - 1) ☒ full virtualization
 - 2) ☐ Para-virtualization
 - 3) ☐ Hardware-assisted virtualization
 - 4) ☐ Not any one
- 7) Most security problems Associated with Cloud Computing Stem from:
 - 1) ☐ Loss of control
 - 2) ☐ Lack of trust
 - 3) ☐ Multi-tenancy
 - 4) ☒ all off the a bove
- 8) It is an open-source framework that enables the storage and processing of massive amounts of data in a distributed and efficient manner across multiple servers
 - 1) ☒ Hadoop
 - 2) ☐ Hadoop Ecosystem Zoo
 - 3) ☐ Linx os
 - 4) ☐ Unix and linux
- 9) A fast framework for Big Data processing



- 1) - Apache Hive
 - 2) - Apache Pig.
 - 3) ☒ Apache Spark
 - 4) - not any one
- 10) Information with a lack of structure that is time and energy consuming to search and find and consolidate into facts
- 1) - Structured data
 - 2) ☒ Unstructured data
 - 3) - Semi Structured data
 - 4) - all of the above
- 11) , a smart wristband that tracks sleep patterns and offers statistics on sleep efficiency, wake periods, and actual sleep duration.
- 1) - NB-IoT
 - 2) - Smart Dust
 - 3) ☒ Fitbit Flex device
 - 4) - CeNSE
- 12) refers to the system's ability to automatically increase or decrease computing resources based on demand without interruptions.
- 1) ☒ Scalability
 - 2) - Cloud computing
 - 3) - virtualization
 - 4) - Private cloud
- 13) Common characteristics of Cloud Computing
- 1) - Massive scale
 - 2) - Homogeneity
 - 3) - Geographic Distribution
 - 4) ☒ all of the above
- 14) What does SaaS stand for?
- 1) ☒ Software as a Service
 - 2) - Storage as a Service
 - 3) - Security as a Service
 - 4) - System as a Service
- 15) Which of the following is an example of a PaaS offering?
- 1) ☒ Google App Engine
 - 2) - Microsoft Office 365
 - 3) - Amazon EC2
 - 4) - Dropbox
- 16) What is the primary benefit of using IaaS?
- 1) - Access to application software
 - 2) - Development environment
 - 3) ☒ Virtualized computing resources
 - 4) - all off the above
- 17) Which cloud service model offers the highest level of control to the end-user?
- 1) - SaaS
 - 2) - PaaS
 - 3) ☒ IaaS
 - 4) - DaaS
- 18) What kind of data is commonly analyzed in Biocomputing?
- 1) - Financial data



- 2) ☒ Genomic data
3) ☐ Social media data
4) ☐ Weather data
- 19) Which of the following techniques is NOT commonly used in Biocomputing?
1) ☐ DNA sequencing
2) ☐ Protein folding simulations
3) ☐ Machine learning
4) ☒ Financial modeling
- 20) Which of the following equal = Exabyte (EB)?
1) ☐ 1024 Zettabyte
2) ☐ 1024 Terabyte
3) ☐ 1024 Gigabyte
4) ☒ 1024 Petabytes
- 21) Which of the following pertains to security and privacy issues in cloud computing?
1) ☐ Infrastructure Security
2) ☐ Data Security and Storage
3) ☐ Identity and Access Management (IAM)
4) ☒ all of the above
- 22) What is the role of mobile computing in the Internet of Things (IoT)?
1) ☐ Mobile devices act as gateways for IoT devices to connect to the internet.
2) ☐ Mobile computing enables remote monitoring and control of IoT devices.
3) ☐ Mobile applications are used to interact with and manage IoT devices.
4) ☒ All of the above.
- 23) is a wireless communication technology specifically designed for Internet of Things (IoT) applications. It leverages existing mobile networks (4G and 5G) and is characterized by low power consumption and wide coverage
1) ☒ Narrowband Internet of Things
2) ☐ long rang WAN
3) ☐ Smart Garbage Trucks
4) ☐ Smart Dust
- 24) There is no need of establishing infrastructure for setting up a cloud, and There is no need for maintaining the cloud.
1) ☒ Public Cloud
2) ☐ Private Cloud
3) ☐ Community Cloud
4) ☐ Hybrid Cloud
- 25) What are some examples of mobile applications?
1) ☒ Social media apps, e-commerce apps, navigation apps
2) ☐ Desktop software, video games, office suites
3) ☐ Operating systems, device drivers, antivirus software
4) ☐ Web browsers, email clients, word processors
- 26) "....., is a network of physical objects... that use sensors and Application Program Interfaces (APIs) to connect and exchange data over the Internet."
1) ☐ Windows Server
2) ☐ macOS Server
3) ☐ UNIX and linux
4) ☒ IoT Definition
- 27) What is cloud computing?
1) ☐ A type of computer virus



- 2) ☒ + Delivering computing services over the internet
- 3) ☐ - A weather prediction model
- 4) ☐ - A type of software development methodology
- 28) Which of the following is not a characteristic of cloud computing?
- 1) ☐ - On-demand self-service
- 2) ☐ - Broad network access
- 3) ☐ - Rapid elasticity
- 4) ☒ + Manual provisioning of resources
- 29) What is the primary characteristic of mobile computing?
- 1) ☐ - High-performance computing
- 2) ☒ + Mobility and portability
- 3) ☐ - Large storage capacity
- 4) ☐ - High power consumption
- 30) To collect and process the data to detect the changes in the physical status of things
- 1) ☒ + Sensor
- 2) ☐ - RFID
- 3) ☐ - IoT
- 4) ☐ - None of the above
- 31) Hadoop framework consists on two main layers,hadoop Distributed file system (HDFS) and Execution engine (MapReduce)
- 1) ☒ + T
- 2) ☐ - F
- 32) UPS stores a large amount of data – much of which comes from sensors in its vehicles - GPS
- 1) ☒ + T
- 2) ☐ - F
- 33) Nutch is a well matured, production ready Web crawler. that enables fine grained configuration, relying on Apache Hadoop™ data structures, which are great for batch processing
- 1) ☒ + TRUE.
- 2) ☐ - FALSE.
- 34) WSN are not necessarily connected to the Internet.
- 1) ☒ + T
- 2) ☐ - F
- 35) Tagging Things : Real-time item traceability and addressability by RFIDs
- 1) ☒ + T
- 2) ☐ - F
- 36) At present IoT is faced with many challenges, such as:Scalability.Technological Standardization.Inter operability and Wireless communication
- 1) ☒ + T
- 2) ☐ - F
- 37) The main function of the software layer for virtualization is to virtualize the physical hardware of a host machine into virtual resources to be used by the VMs, exclusively
- 1) ☒ + T
- 2) ☐ - F
- 38) Network virtualization can be achieved from internal network or by combining many external networks and enables the communication between the VMs that share the physical network
- 1) ☒ + T
- 2) ☐ - F
- 39) The application virtualization offers the ability to use the application without the need to install any software or tools in the machine



- 1) ☒ + T
- 2) ☐ - F
- 40) Para-virtualization :offer the support for virtualization, which eliminates much overhead involved in the binary translation and guest OS modification.
- 1) ☐ - T
- 2) ☒ + F