

## APPLICATIONS AND IMPLICATIONS OF IT

### Multiple Choice Questions Collecting, Storing & Sharing Information

1. Why do we collect information?
  - a. To use, store, retrieve, inform and share.
  - b. To help us make decisions.
  - c. To help us make money.
  - d. All of the above.
2. The four (4) purposes why we collect information are to:
  - a. Monitor, control and supervise systems, people and processes.
  - b. Use as a commodity.
  - c. Use for tactical and strategic decision making.
  - d. Keep us informed.
  - e. All of the above.
3. Why do we store information? To refer to it:
  - a. When a decision is to be made or to confirm a fact.
  - b. If the original data is lost or corrupted.
  - c. Analyze to make some interpretation, explanation or resolution with it.
  - d. Distribute for further use
  - e. All of the above.
4. Stored information should be organized because it makes retrieval easy and quick.
  - a. True
  - b. False.
5. Why do we share information? Because:
  - a. It is of value to others.
  - b. It should be stored
  - c. It should be organized.
  - d. It should be used.
6. Which type of system offers the most efficient means of sharing information?
  - a. Computer Networks.
  - b. Manual Files
  - c. Registry.
  - d. Information Department.
7. What advantages do company's gain from storing information on networks?
  - a. Several persons can access the same information at the same time.
  - b. Information is easily updated from different sources.
  - c. Sending information using e-mails.
  - d. All of the above.
8. Which industry offers ATM, Cheque processing, Credit Cards, Smart Cards, Store-value Cards, Home or Internet Banking?
  - a. Computers in Banking.
  - b. Computers in Business.
  - c. Computers in Education
  - d. Computers in Engineering and Manufacturing.
9. Which industry offers Stock Control, Creation of bills, accounting, marketing, E-commerce and Telecommuting?
  - a. Computers in Banking.
  - b. Computers in Business.
  - c. Computers in Education
  - d. Computers in Engineering and Manufacturing.
10. Which industry offers CAA\CAL\CAI, CML\CMI and Distance Learning?
  - a. Computers in Banking.
  - b. Computers in Business.
  - c. Computers in Education
  - d. Computers in Engineering and Manufacturing.

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11. Which industry offers CAD\CADD, CAM and CAE?
  - a. Computers in Banking.
  - b. Computers in Business.
  - c. Computers in Education
  - d. Computers in Engineering and Manufacturing.
12. Which industry offers Robotics, Control Systems, Process Control, Natural Language Processing, Simulation of Human Sensory Capabilities and Expert Systems?
  - a. Computers in Banking.
  - b. Computers in Business.
  - c. Computers in Education
  - d. Computers in Engineering and Manufacturing.
13. Which industry offers Security Cameras, Biometric Identification Systems, Profiling (Computer composites), Traffic Control, Electronic Surveillance and In-car computers?
  - a. Computers in Law Enforcement.
  - b. Computers in Medicine.
  - c. Computers in Entertainment.
  - d. Computers in Weather Forecasting.
14. Which industry offers Patients' records, patient monitoring systems, computer-aided detection and computer –aided diagnosis, expert medical systems and practicing medicine via the internet?
  - a. Computers in Law Enforcement.
  - b. Computers in Medicine.
  - c. Computers in Entertainment.
  - d. Computers in Weather Forecasting.
15. Which industry offers music and sound, movies and animation and games?
  - a. Computers in Law Enforcement.
  - b. Computers in Medicine.
  - c. Computers in Entertainment.
  - d. Computers in Weather Forecasting.
16. Which industry gathers and store data, analyse the data and display data in an animated, easily digestible way?
  - a. Computers in Law Enforcement.
  - b. Computers in Medicine.
  - c. Computers in Entertainment.
  - d. Computers in Weather Forecasting.
17. The ATM card is also known as a debit card?
  - a. True
  - b. False.
18. ATM machines and the ATM card allow users to perform banking transactions 24 hours a day?
  - a. True
  - b. False.
19. ATM cards allow card holders to deposit, withdraw, transfer funds, pay bills and obtain bank balances?
  - a. True
  - b. False.
20. ATM cards has a magnetic strip which holds a code to identify bank accounts and card holders must have a PIN to gain access to their accounts.
  - a. True
  - b. False.
21. ATM can be found at supermarkets, airports, bus stations and shopping malls.
  - a. True
  - b. False.
22. The amount to be paid on cheques is written using MICR font and read by an MICR reader. Cheques presented at banks of origin are cashed immediately.
  - a. True
  - b. False.

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23. When a credit card is swiped, information is sent to the credit card company who checks to ensure sufficient funds is available, the transaction is declined or accepted based on the availability of funds.
  - a. True
  - b. False.
24. Which card contains a wafer-thin memory chip embedded in it. Stores and update information, is more secure, hold information such as cell phone accounts.
  - a. Credit Cards.
  - b. Debit Cards
  - c. Store-value cards.
  - d. Smart Cards.
25. Which card are reloadable or disposable, stores certain amount of money form specific transaction and includes prepaid phone cards, debit cards, merchant gift cards.
  - a. Credit Cards.
  - b. Debit Cards
  - c. Stored-value cards.
  - d. Smart Cards.
26. Which service gives users the convenience of doing transactions at home or anywhere there is internet access such as pay bills, transfer funds and apply for loans?
  - a. Credit Cards.
  - b. Home or Internet Banking
  - c. Stored-value cards
  - d. Smart Cards.
27. What function is the computer performing when it updates a stock inventory to show a decrease when purchases are made by customers or an increase in stock when purchases are made by the company?
  - a. Stock Control
  - b. E-Commerce.
  - c. Telecommuting.
  - d. Home or Internet Banking.
28. What function is the computer performing when it buys, sells, markets and service product and services over computer networks?
  - a. Stock Control
  - b. E-Commerce.
  - c. Telecommuting.
  - d. Home or Internet Banking.
29. What does B2C and B2B stands for:
  - a. Business to Consumer and Business to Business.
  - b. Business selling products.
  - c. Consumers purchasing products from business.
  - d. Business purchasing products from another business.
30. What functions does a computer perform in aiding individuals to stay at home and work, sending your work to the office using modems, telephone, e-mail, teleconferencing and faxing?
  - a. Stock Control
  - b. E-Commerce.
  - c. Telecommuting.
  - d. Home or Internet Banking.
31. Which educational option is used to assist in the marking of examination scripts using an electronic reader sensitive to shading?
  - a. CAA
  - b. CAL
  - c. CAI
  - d. CML

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32. Which educational option used computers and computer software to allow students to learn at their own pace and create an interesting learning environment?
- CAA
  - CAL\CAI
  - Referencing Information.
  - CML
33. Which educational option has these three basic forms?
- CAA
  - CAL\CAI
  - Referencing Information.
  - CML
34. Which educational option is used as an administrative resource to organize student data and timetables and in libraries to manage indexes?
- CAA
  - CAL\CAI
  - Referencing Information.
  - CML\CMI
35. What does CAA stand for:
- Computer-Assisted Assessment.
  - Computer-Assisted Learning
  - Computer-Aided Instruction
  - Computer Managed Learning.
36. What does CAL stand for:
- Computer-Assisted Assessment.
  - Computer-Assisted Learning
  - Computer-Aided Instruction
  - Computer Managed Learning.
37. What does CAI stand for:
- Computer-Assisted Assessment.
  - Computer-Assisted Learning
  - Computer-Aided Instruction
  - Computer Managed Learning.
38. What does CML stand for:
- Computer-Assisted Learning
  - Computer-Aided Instruction
  - Computer Managed Learning.
  - Computer Managed Instruction.
39. What does CMI stand for:
- Computer-Assisted Learning
  - Computer-Aided Instruction
  - Computer Managed Learning.
  - Computer Managed Instruction.
40. What does CAD stand for:
- Computer Managed Learning.
  - Computer Managed Instruction.
  - Computer Aided Design.
  - Computer Aided Design and Drafting.
41. What does CADD stand for:
- Computer Managed Learning.
  - Computer Managed Instruction.
  - Computer Aided Design.
  - Computer Aided Design and Drafting.

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42. Which educational option involves classes being held via the internet, extranet or intranet, satellite broadcasting, interactive television and CD-ROM. It includes web-based learning, tele-collaboration and virtual classrooms?
- Process Control
  - Distance Learning.
  - Robotics.
  - Natural Language Processing.
43. What does CAM stand for:
- Computer Aided Manufacturing.
  - Computer Aided Engineering.
  - Robotics
  - Natural Language Processing.
44. What does CAE stand for:
- Computer Aided Manufacturing.
  - Computer Aided Engineering.
  - Robotics
  - Natural Language Processing.
45. What is used to draw, manipulate and design engineering and architectural designs, electronic products and clothing designs?
- CAD\CADD.
  - CAE
  - CAM
  - AI
46. Which system allows designers to create three-dimensional (3D) objects that are easily manipulated, rotated and viewed from many angles and needs for output a high-resolution graphics monitor, special printer or plotter and for input needs mouse, light pen or digitizing tablet?
- CAD\CADD.
  - CAE
  - CAM
  - AI
47. Which type of computers are used to control robots, systems and processes, produce voice recognition and synthesis systems, virtual reality and sensory capability systems and expert systems?
- Artificial Intelligence (AI) computers.
  - Computer Controlled Machines.
  - Natural Language Processing.
  - Expert Systems.
48. Computer-controlled machines perform repetitive and dangerous tasks in industries assemble lines and make use of Robotics?
- True
  - False.
49. Which robot plays a critical role in building and maintaining the international space station currently under construction?
- Canadarm2.
  - Dante.
  - Remotely operated Vehicles (ROVs)
  - Robots that Cleans up hazardous waste sites.
50. Which robot enters active volcanoes to gather information about potential volcanic activity?
- Canadarm2.
  - Dante.
  - Remotely operated Vehicles (ROVs)
  - Robots that Cleans up hazardous waste sites.

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51. Which robot perform tasks such as searching for and recovering ships and plane wreckage, specialist scientific studies and the burial and repair of underground telecommunication cables.
- Canadarm2.
  - Dante.
  - Remotely operated Vehicles (ROVs)
  - Robots that Cleans up hazardous waste sites.
52. There are robots that clean up hazardous waste sites and handles waste too dangerous for humans?
- True
  - False.
53. Which system detect physical changes in the environment, interface with computer which then tells an output devices what to do depending on the information given by the sensor. These sensor detect changes in temperature, pressure, light, sound, pH, Humidity, position and proximity of an object?
- Process Control.
  - NLP.
  - Expert Systems.
  - Control Systems.
54. Who automatically monitors and control process by instrument and computer programmed to respond by taking corrective measures if necessary in industrial setting such as chemical plants, steel mills and oil refineries?
- Process Control.
  - NLP.
  - Expert Systems.
  - Control Systems.
55. What system recognizes understands and process written and spoken language and includes voice recognition and voice synthesis systems?
- Process Control.
  - NLP.
  - Expert Systems.
  - Control Systems.
56. Which system provides database of information to field such as medicine, mathematics, engineering, geology, computer science, business, law, defence and education?
- Process Control.
  - NLP.
  - Expert Systems.
  - Control Systems.
57. Which system is also known as knowledge based system and consist of two parts knowledge base and inference engine?
- Process Control.
  - NLP.
  - Expert Systems.
  - Control Systems.
58. Which system involves the ability of computer to se, hear, speak, smell and feel and include virtual reality systems used to train military, medical and spac personnel?
- Simulation of Human Sensory Capabilities.
  - NLP.
  - Expert Systems.
  - Control Systems.
59. Which industry has the NCIC in the USA, PNC in the UK and use computers to maintain criminal database, forensic evidence and provide electronic surveillance?
- Computers in Law Enforcement.
  - Computers in Medicine.
  - Computers in Entertainment.
  - Computers in Weather Forecasting.

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60. What is used to capture video footage of crime in progress, criminal images and are sometimes hidden?
- Biometric Identification Systems.
  - Security Cameras.
  - Profiling
  - Traffic control.
61. What is used to identify individuals using their body characteristics such as face and hands geometry. Its two most commonly used methods are fingerprinting and computer-assisted facial image identification?
- Biometric Identification Systems.
  - Security Cameras.
  - Profiling
  - Traffic control.
62. What is used to compose a picture of a criminal based on witness description?
- Biometric Identification Systems.
  - Security Cameras.
  - Profiling
  - Traffic control.
63. What controls traffic using specific sequence of lighting adjusted throughout the day depending on traffic flows. Data is transmitted via wire-based or fibre-optic cables to the computer?
- Biometric Identification Systems.
  - Security Cameras.
  - Profiling
  - Traffic control.
64. Wire-taps, e-mail and online communication, location information through calls to your cell phone and communication analysis the monitoring of credit card use are forms of what?
- In-car Computers.
  - Electronic Surveillance.
  - Security Cameras.
  - Traffic Control.
65. The retrofitting with computers of vehicles is known as;
- In-car Computers.
  - Electronic Surveillance.
  - Security Cameras.
  - Traffic Control.
66. Computerization of patients' health history as well as their personal information forms part of what?
- Patients' records.
  - Patients Monitoring Systems.
  - Computer-aided Detection
  - Computer-aided Diagnosis.
67. Which system help doctors monitor and treat patients 24 hours a day by monitoring a patient vitals signs, recording the information and sounding an alarm in the event of dangerous abnormality in the readings?
- Patients' records.
  - Patients Monitoring Systems.
  - Computer-aided Detection
  - Computer-aided Diagnosis.
68. These systems assist doctors in detecting and diagnosing abnormalities in the tissue of patients and use MRI and CAT.
- Patients Monitoring Systems.
  - Computer-aided Detection and Computer-aided Diagnosis.
  - Expert Medical Systems.
  - Practising medicine via the internet.



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69. This machine is used to detect strokes, tumours, infections and hemorrhages. Its acronym stands for Magnetic Resonance Imaging.
- MRI
  - CAT
  - CAD
  - CADD.
70. This machine aids in the diagnosis of brain diseases and tumours. Its acronym stands for Computer Axial Tomography Scanning.
- MRI
  - CAT
  - CAD
  - CADD.
71. This system analyse data and provides medical answers, imitating the behavior of a human adviser. Examples of these systems are QMR, Mycin and Dentrax.
- Patients Monitoring Systems.
  - Computer-aided Detection and Computer-aided Diagnosis.
  - Expert Medical Systems.
  - Practising medicine via the internet.
72. Information is sent to patients via the internet, X-rays are sent to other medical institutions and live surgeries are preformed. Patients are also diagnosed and prescribe medication via this practice.
- Patients Monitoring Systems.
  - Computer-aided Detection and Computer-aided Diagnosis.
  - Expert Medical Systems.
  - Practising medicine via the internet.
73. Digitising the musical sounds of most musical instruments and storing them on keyboard and the use of software to edit sound, music clips falls under which heading?
- Music and Sound
  - Movies and Animation.
  - Games
  - Other.
74. Computer Generated images and Anima which allows persons to develop animation from beginning to end and Anima II which develops animation from an idea to finished colour video product falls under which heading?
- Music and Sound
  - Movies and Animation.
  - Games
  - Other.
75. Nintendo, PlayStation I & II, X-Box, edutainment and Game Boy falls under which heading?
- Music and Sound
  - Movies and Animation.
  - Games
  - Other.
76. What gives the location of storms, wind speeds and direction and precipitation?
- Doppler Radar.
  - Weather Balloons with radiosondes.
  - Satellites
  - Others.
77. What measures pressure, temperature and humidity?
- Doppler Radar.
  - Weather Balloons with radiosondes.
  - Satellites
  - Others.



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78. What orbits high above the earth taking pictures to create surface weather maps showing clouds and precipitation and includes an example such as GOES-8?
- a. Doppler Radar.
  - b. Weather Balloons with radiosondes.
  - c. Satellites
  - d. Others.