



**PEPERIKSAAN AKHIR SESI 2016/DIS
FINAL EXAMINATION SESSION 2016/DEC**

NAMA KURSUS (COURSE NAME) : COMPUTER APPLICATION
KOD KURSUS (COURSE CODE) : MTS113
PROGRAM (PROGRAMME) : DCA/DPK/DPH/DBI/DPP
TEMPOH (DURATION) : 2 HOURS 30 MINUTES
PENSYARAH (LECTURER) : MOHAMAD IZRIL BIN ISHAK

ARAHAN (INSTRUCTIONS) :

1. Kertas soalan ini mengandungi **10** helaian bercetak termasuk muka hadapan.
*This question paper contains **10** printed pages including cover page.*
2. Calon dikehendaki menjawab **SEMUA** soalan untuk Seksyen A dan Seksyen B. Gunakan **borang OMR** dan **buku jawapan** yang dibekalkan.
*Candidates are required to answer **ALL** questions in Section A and Section B. Use the **OMR form** and **answer booklet** provided.*
3. Pada akhir peperiksaan, serahkan borang OMR dan buku jawapan.
At the end of the examination, please submit OMR form and the answer booklet.
4. Pastikan anda menulis nama dan ID pelajar pada borang OMR dan buku jawapan.
Please write down your name and student ID on OMR form and the answer booklet.

NO. Matrik :
MATIC NUMBER

KUMPULAN: _____
GROUP

(Dengan angka/ Numerical form)

NO. KAD PENGENALAN :
I/C @ PASSPORT NUMBER

NAMA PELAJAR : _____
STUDENT'S NAME

**JANGAN BUKA BUKU SOALAN INI SEHINGGA DIBERI ARAHAN
DO NOT OPEN THIS BOOKLET UNTIL INSTRUCTED TO DO SO**

SECTION A: (40 MARKS)

INSTRUCTION: Choose the **CORRECT** answer. Please mark the answer in the provided OMR form.

1. Computer literacy, also known as digital literacy, involves having a current knowledge and understanding of _____.
 - A. computer programming
 - B. computers and their uses
 - C. computer repair
 - D. all of the above

2. _____ is/are a collection of unprocessed items, which can include text, numbers, images, audio, and video.
 - A. Data
 - B. Instructions
 - C. Programs
 - D. Information

3. Millions of people worldwide join online communities, each called _____, that encourage members to share their interests, ideas, stories, photos, music, and videos with other registered users.
 - A. a podcast
 - B. enterprise computing
 - C. a social networking Web site or online social network
 - D. a blog

4. _____ consists of the programs that control or maintain the operations of the computer and its devices.
 - A. A graphical user interface (GUI)
 - B. A communications device
 - C. System software
 - D. Application software

5. Two types of _____ are desktop computers and notebook computers.
 - A. servers
 - B. supercomputers
 - C. mainframe computers
 - D. personal computers

6. _____ offers high-speed Internet connections to devices with built-in compatible technology or computers with wireless modems.
 - A. Cable Internet service
 - B. Digital subscriber line
 - C. Cellular radio network
 - D. Fiber to the Premises (FTTP)

7. Instead of using broadband Internet service some home users connect to the Internet via _____, which is a slower-speed technology.
 - A. satellite Internet service
 - B. cable Internet service
 - C. DSL
 - D. dial-up access

8. _____ is the process of a computer or device receiving information, such as a Web page, from a server on the Internet.
 - A. Uploading
 - B. Social networking
 - C. Downloading
 - D. Blogging

9. A _____ is a Web site that allows users to post short text updates, usually between 100 and 200 characters.
 - A. podcast
 - B. wiki
 - C. microblog
 - D. portal

10. A _____ is a specific type of online social network that enables members to share photos, music, and videos.
 - A. blog
 - B. wiki
 - C. podcast
 - D. media sharing Web site

11. _____ is mass-produced, copyrighted retail software that meets the needs of a wide variety of users, not just a single user or company.
 - A. Custom software
 - B. Open source software
 - C. A Web application
 - D. Packaged software

12. A feature, called _____, allows users of word processing software to type words continually without pressing the enter key at the end of each line.
- A. auto format
 - B. clipboard
 - C. auto forreect
 - D. wordwrap
13. When using spreadsheet software, a function _____.
- A. depicts data in graphical form
 - B. changes certain values to reveal the effects of the changes
 - C. is a predefined formula that performs common calculations
 - D. contains the formatting necessary for a specific worksheet type
14. _____ combines application software such as word processing, spreadsheet, presentation graphics, and e-mail.
- A. Shareware
 - B. A software suite
 - C. Packaged software
 - D. Custom software
15. _____ software provides a means for sharing, distributing, and searching through documents by converting them into a format that can be viewed by any user.
- A. Portable Document Format (PDF)
 - B. Document management
 - C. Database
 - D. Word processing
16. The _____ is the component of the processor that directs and coordinates most of the operations in the computer.
- A. register
 - B. arithmetic logic unit
 - C. control unit
 - D. machine cycle
17. Each processor core on a multi-core processor generally runs at _____ clock speed than a single-core processor.
- A. a faster
 - B. the same
 - C. twice the
 - D. a slower

18. The term decoding refers to the process of _____.
- A. obtaining a program instruction or data item from memory
 - B. translating an instruction into signals a computer can execute
 - C. carrying out commands
 - D. writing a result to memory
19. ROM chips, called _____, contain permanently written data, instructions, or information.
- A. memory cache
 - B. registers
 - C. transistors
 - D. firmware
20. A(n) _____ is a socket on the motherboard that can hold an adapter card.
- A. expansion slot
 - B. parallel port
 - C. drive bay
 - D. front side bus
21. An ergonomic keyboard _____.
- A. has a design that reduces wrist and hand injuries
 - B. transmits data using wireless technology
 - C. is used to enter data into a biometric device
 - D. is built into the top of a handheld computer
22. A _____ is a small metal or plastic device that looks like a tiny ink pen but uses pressure instead of ink.
- A. touch screen
 - B. stylus
 - C. trackball
 - D. pointing stick
23. Architects, mapmakers, designers, artists and home users create drawings and sketches on a _____.
- A. trackball
 - B. smart terminal
 - C. graphics tablet
 - D. touchpad

24. _____ is the computer's capability of distinguishing spoken words.
- A. Voice input
 - B. VoIP
 - C. MIDI
 - D. Voice recognition
25. RFID is a technology that uses _____ to communicate with a tag placed in or attached to an object, an animal, or a person.
- A. a thin wire
 - B. pixels
 - C. radio signals
 - D. light waves
26. _____ measures the amount of time it takes a storage device to locate an item on a storage medium.
- A. Capacity
 - B. Access time
 - C. A storage medium
 - D. Reading
27. A group of two or more integrated hard disks is called a _____.
- A. backup
 - B. platter
 - C. RAID
 - D. portable hard disk
28. A _____ consists of a special-purpose chip and electronic circuits that control the transfer of data, instructions, and information from a disk to and from the system bus and other components in the computer.
- A. pocket hard drive
 - B. removable hard disk
 - C. magnetic disk
 - D. disk controller
29. A _____ is a memory storage device that plugs in a USB port on a computer or mobile device.
- A. smart card
 - B. USB flash drive
 - C. universal media disks (UMD)
 - D. memory Stick

30. _____ technology works with specially coated optical discs to etch labels directly on the disc.
- A. LightScribe
 - B. SATA
 - C. LightSaber
 - D. SCSI
31. A _____ is a field that uniquely identifies each record in a file.
- A. data type
 - B. data file
 - C. primary key
 - D. data character
32. In some tables, the primary key consists of multiple fields, called a _____.
- A. composite key
 - B. secondary key
 - C. key field
 - D. column
33. _____ procedures include adding records to, modifying records in, and deleting records from a file.
- A. Range check
 - B. File maintenance
 - C. Backup
 - D. Validation
34. A _____ verifies that a required field contains data.
- A. completeness check
 - B. range check
 - C. consistency check
 - D. numeric check
35. When an organization uses _____, many programs and users share the data in the database.
- A. a data model
 - B. a file processing system
 - C. the database approach
 - D. a check digit

36. _____ are smaller in size than enterprises and typically not have an international presence.
- A. Data centers
 - B. Portals
 - C. Small and Medium Size Business (SMB)
 - D. Web services
37. Many companies elevate the importance of information technology by including a _____ executive position that reports to the CEO.
- A. chief operations officer (COO)
 - B. chief information officer (CIO)
 - C. chief security officer (CSO)
 - D. chief financial officer (CFO)
38. A(n) _____ is an information system that has existed within the organization for an extended length of time and is relied upon heavily.
- A. expert system
 - B. high-availability system
 - C. office information system
 - D. legacy system
39. The _____ of hardware to users is a measure of how often it is online.
- A. redundancy
 - B. availability
 - C. scalability
 - D. interoperability
40. _____ continue running and performing tasks for at least 99 percent of the time.
- A. Distribution systems
 - B. High-availability systems
 - C. Blade servers
 - D. Virtual private networks

SECTION B: (60 MARKS)

INSTRUCTION: This section contains **SEVEN (7)** questions to be answered in all.

1. A computer is an electronic device operating under the control of instructions stored in its own memory. Computer can accept data, process the data according to specified rules, produce results, and store the results for future use. List and describe the **FIVE (5)** components of a computer.
(10 Marks)

2. A user is anyone who communicates with a computer or utilizes the information it generates. State **THREE (3)** advantages and disadvantages that users experience when working with computers?
(6 Marks)

3. The Internet is a worldwide collection of networks that links millions of businesses, government agencies, educational institutions, and individuals. Many home and small business users connect to the Internet via high-speed broadband Internet service. Briefly discuss **FOUR (4)** various Internet connections exist in Malaysia?
(8 Marks)

4. Memory consists of electronic components that store instructions waiting to be executed by the processor. Discuss about primary memory.
(6 Marks)

5. State the type of software that would normally be used for **EACH** of the following:
 - a. Writing an essay
 - b. Creating an electronic scorecard
 - c. Creating a folder on a computer
 - d. Viewing a website
 - e. Identifying records from two or more tables that satisfy a set of criteria(5 Marks)

6. Explain how the use of IT tools in a company can result in **EACH** of the following benefits listed below.
 - a. Reduction in costs
 - b. Improved speed in operations
 - c. Increased business opportunities(9 Marks)

7. A colleague has recently alerted you to a report on the Internet indicating that jobs in your field are expected to decline by as much as 85% by the year 2018. The report claims that this is a direct result of global economic crisis. Naturally you are worried since you are hoping to join the profession in one year's time.

The four criteria for evaluating information above are accuracy, currency, authorship and referral to other sources.

- a. Based on your understanding, briefly explain the meaning of **EACH** of the criteria listed above.

(4 Marks)

- b. Briefly describe how the criteria can influence a decision to accept or reject the information given in the Internet report.

(12 Marks)

END OF QUESTIONS