Dear Students,

We wish you a happy and prosperous Sinhala and Hindu New Year..!

Please find below some model MCQs similar to your mid-term examination questions.

You will receive **40 questions to be completed for 1 Hour period**, since all lecture notes are available to you during the examination.

During the exam you must complete each question before moving to next question because you have to **attempt sequentially, i.e., you can't navigate back to your previous questions**.

We wish you good luck in the exam.

Kind Regards.

Teaching Staff of the ICS module.

Model Questions:

1. Which of the given software gets loaded first during power up or reboot

A) OS

B) BIOS

C) application software

D) centOS

E) DOS

2. What is meant by multi programming

A) Organizing jobs and executing one at a time.

B) Switching jobs frequently by CPU.

C) Running many programs at once.

D) Storing many programs in memory.

E) None of the above.

3. What is the Binary coded decimal (BCD) value of 2020

A) 11111001100

B) 11111011100

C) 11111000100

D) 11111100100

E) 11111011000

4. From the following answers which contains the parts of the Hard Drive

A) Circumferential Direction, Suspension, Vertical Direction, Processor, VCM

B) Arm, VCM, Shaft Axis, RAM, Processor

C) Suspension, Shaft Axis, VCM, Base Plate, Disk

D) Read/Write Head, Base Plate, Arm, Suspension, Motherboard

E) Spindle Motor, Control Electronics, VCM, Radial Direction, RAM

5. What is an example for cloud storage

A) e-mail

B) CD

C) Google drive

D) Flash memory

E) Hard disk

6. Which best describes information

A) We can’t make decisions

B) It should be accurate

C) It is not accurate

D) We can not get it in time

E) It is a collection of facts

7. Find the most simplified SOP expression for F = ABC+CD+ABCD+ABD+ACD

A) F=AC+AD

B) F=CD+AD

C) F=ABD+ABC+CD

D) F=BC+AB

E) F=ABD+C

8. Select the technological concept/concepts that have contributed to development of cloud computing.

A) Virtualization

B) Parallel computing and virtualization

C) Grid computing and utility computing

D) Grid computing, Utility computing and Parallel computing

E) Parallel computing, Utility computing, Virtualization and Grid computing

9. What is the fastest memory among the following:

A) (L2) cache

B) (L1) cache

C) (L3) cache

D) Main memory

E) Local secondary storage

10. Why we use parity check

A) Error correction

B) Error detection

C) Error correction and detection

D) Re correct error

E) Non of the above

11. What is von Neuman architecture

A) Instruction data and program data are stored in the same memory

B) Stored program computer concept

C) Central processing unit architecture

D) All the components in one location

E) Arithmetic and logic unit

12. Physical address is equals to

A) 10*segement address

B) Offset address

C) 10*segement address + Offset address

D) 10* Offset address

E) Offset address + segement address

13. Who invented the world's first ever mathematical machine

A) Blaise pascal

B) Gottfried Wilhelm

C) Joseph jacquard

D) Charles Babbage

E) John von Neuman

14. what is an example for coding system

A) BCD (binary coded Decimal)

B) EBCDIC (Extended binary coded decimal Interchange code)

C) ASCII (American standards code for Information Interchange)

D) Unicode

E) All of the above

15. Simplify this Boolean expression Z=C.(A+C)+B.C

A) C+B

B) A.C+B

C) A

D) C

E) A+C

16. Which storage device is at top of the memory hierarchy

A) SRAM

B) DRAM

C) Register

D) Hard Disk

E) Web Server

17. 4 kilobytes equal to,

A) 4096 bytes

B) 4060 bytes

C) 4000 bytes

D) 2048 bytes

E) 4024 bytes

18. When considering CISC, it is,

A) Single clock

B) Register to register

C) Multi clock

D) Low cycles per second

E) All the above

19. Select the continuous data of the following.

A) Number of members of a family.

B) Pages of a book.

C) Number of students in SLIIT.

D) Average of the three Subjects.

E) Number of subjects we learn.

20. The main task of the operating system

A) Counting the number of word of a file

B) An intermediary between user and the computer hardware

C) Checking letters of a presentations

D) Solving all of the mathematical operations

E) Managing memory of the computer

1. ANSWER: B

2. ANSWER: A

3. ANSWER: D

4. ANSWER: C

5. ANSWER: C

6. ANSWER: B

7. ANSWER: C

8. ANSWER: E

9. ANSWER: B

10. ANSWER: B

11. ANSWER: A

12. ANSWER: C

13. ANSWER: A

14. ANSWER: E

15. ANSWER: D

16. ANSWER: C

17. ANSWER: A

18. ANSWER: A

19. ANSWER: D

20. ANSWER: B