University of Kelaniya - Sri Lanka

Centre for Distance and Continuing Education

Faculty of Commerce & Management Studies

Bachelor of Business Management (General) Degree First Examination (External) – 2015

September - 2020

BMGT E 1065 - Information Technology

Time: 03 hours

Instructions:

- This paper has two parts: Part I and Part II.
- Part I contains 20 multiple choice questions that are compulsory. To answer a question, select the most specific selection of the question and underline it on the question paper.
- Part II contains five (05) Essay-Type questions. Select three (03) questions and answer them in the booklet provided.
- Please note that candidates are not allowed to take or copy any part of the Part I from the examination room.
- Total 100% marks

PART I - MULTIPLE-CHOICE QUESTIONS

1) Capacity of a DVD is;

   a)   3.44 MB

   b)   4.7GB

   c)   100GB

   d)   16GB

2) Files are Organized in;

a) RAM

b) Cache

c) Directories

d) None of the above

3) Which of the following statements is correct?

a) Virus is a part of software

b) Virus is an operating system

c) Internet does not allow the virus to spread

d) Virus improves the speed of processing information through computer

4) Which one of the following could not be a special website creating language?

a) HTML

b) COBOL

c) Perl

d) JAVA

5) LAN stands for:

a) Live Area Network

b) Local And National

c) Local Area Network

d) Large Area Network

6) Modem is abbreviated for;

a) Modulation Demolition

b) Modulator Demodulator

c) Both a) and b) are correct

d) None of the above

7) "DPI" stands for:
   a) Dots per inch
   b) Digits per unit
   c) Dots pixel inch
   d) Diagrams per inch

8) Which of the following is not a Computer language?
   a) UNIX
   b) PASCAL
   c) COBOL
   d) FORTRAN

9) Corel Draw is a popular;
   a) Word processing software
   b) Graphic design software
   c) Programming language
   d) None of the above

10) A Database is used to;
   a) Store and Organize data in records
   b) Store and Organize papers
   c) Store and Organize records in files
   d) Store and Organize records in fields

11) The origin of internet is the;
   a) ARPANET
   b) INTRANET
   c) WAN
   d) SPUTNIK

12) What is the top-level domain of "www.kln.ac.lk"?

   a) www.kln

   b) kln.ac

   c) ac.lk

   d) kln.lk

13) _____ is not an example for webmail.

   a) Hotmail

   b) Outlook

   c) Gmail

   d) Yahoo Mail

14) This is NOT a security threat spread over web and email.

   a) Cookie Exploits

   b) Site redirects

   c) Phishing

   d) Bogus Sites

15) Information, a combination of graphics, text, sound, video and animation is called,

   a) Multifacet

   b) Multiprocess

   c) Multimedia

   d) Multiprogramme

16) Which is the largest unit of storage among the following?

   a) Gigabyte

   b) Megabyte

   c) Kilobyte

   d) Terabyte

17) A compiler is used to convert the following to object code which can be executed

   a) Natural language

   b) Low-level language

   c) Assembly language

   d) High-level language

18) Computers on an internet are identified by;

   a) IP address

   b) e-mail address

   c) telephone numbers

   d) MAC address

19) The octal number system consists of the following number range;

   a) 0 – 7

   b) 0 – 9, A – F

   c) 0 – 9

   d) None of the above

20) This picture depicts a

   a) Barcode

   b) MICR

   c) QR Code

   d) None of the above

(Total Marks: 02 x 20 = 40)

PART II - ESSAY QUESTIONS

1) Computer is a machine that can change the world.

   a)   Define a computer using its five (05) functional capabilities.

   b)   Explain three (03) purposes of computer usage today.

   c)   List five (05) features of information.

   d)   List five (05) advantages of computer technology

(Each part carries equal marks and Total marks 20)

2) Internet is one of the most powerful technological tools that changed the communication over last decades.

   a)   Define the term 'Internet' and list down its advantages.

   b)   Explain how did the people work from home using information technology during the COVID-19 lockdown period, in Sri Lanka?

   c)   Explain the negative consequences of internet and its services on people and society.

   d)   What do the following abbreviations denote?

- HTTP
- FTP
- HTML
- WWW
- VOIP

(Each part carries equal marks and Total marks 20)

3) People and society are much dependent on Information and Communication Technology (ICT) nowadays.

   a)   Name five (05) career opportunities available in ICT industry today.

   b)   Explain the impact of ICT use on business growth and development.

   c)   Discuss the effect of social media use on personal life of people.

   d)   Explain the health hazards of computer overuse in a society.

(Each part carries equal marks and Total marks 20)

4) Both the hardware and software important to function a computer.

    a)   Define the term 'computer hardware' and 'computer software'.

    b)   Name five (05) major hardware components of a computer system.

    c)   Explain each of the hardware component you had named in (b).

    d)   Identify a software that is relevant to the following user needs (first one is done for you).

User Need	Software Example
Example: To watch a video	*VLC Media Player*
i. To prepare a database	
ii. To edit a photo	
iii. To visit a web site	
iv. To create a presentation	
v. To type a document	

(Each part carries equal marks and Total marks 20)

5)   Explain any five (05) of the following terms.

    a)   Cyber Security

    b)   Cloud Computing

    c)   Machine Learning

    d)   3D Printing

    e)   IoT

    f)   Extended Reality

    g)   Artificial Intelligence

    h)   Nanotechnology

(Each part carries equal marks and Total marks 20)