

Name.....

Index No.....

School.....

Signature

840/1

COMPUTER STUDIES

PAPER 1

August 2019

2½ hours



WAKISSHA JOINT MOCK EXAMINATIONS

Uganda Certificate of Education

COMPUTER STUDIES

Paper 1

2 hours 30 minutes

INSTRUCTIONS TO CANDIDATES:

- ☒ This paper consists of **three** sections **A, B** and **C**.
- ☒ **Section A** contains **20 compulsory** objective-type questions.
The correct alternative **A, B, C** or **D** for each question must be written in the box provided on the right hand side of each question.
- ☒ **Section B** consist of **six compulsory** structured questions. Answers to this section must be written in the spaces provided.
- ☒ **Section C** contains **three** essay questions. Attempt only **one**. Answers to this section must be written in the answer booklets/sheets provided.

For examiners' use only

MCQ	Q.21	Q.22	Q.23	Q.24	Q.25	Q.26	Q.27	Q.28	Q.29	Total

SECTION A (20 marks)

Write the correct alternative in the box on the right hand side of each question.

1. A feature common to most application packages that contain icons or graphic presentations for commonly used command is
A. Toolbar.
B. Menu.
C. Task pane.
D. Dialog box. ☐
2. Which of the following tools would be best for cleaning the outer surface of a monitor?
A. Dust blower
B. Form cleaner
C. Hand drier
D. Screw driver ☐
3. is the platform for running application software?
A. Operating system
B. Network interface card
C. Utility program
D. Graphic user interfaces ☐
4. An active cell of a spreadsheet is identified in
A. name box.
B. formula bar.
C. worksheet tab.
D. worksheet charts. ☐
5. A query object in database software is used to.....
A. enter and edit data.
B. automate the way database is used.
C. locate specific records that meet specific criteria.
D. provide an alternative to tables of entry and view records. ☐
6. One of the following measures cannot be applied to effectively provide computer data security?
A. Fire walls.
B. CCTV cameras.
C. Anti-virus installation.
D. Filtering e-mail traffic. ☐
7. Which one of the following is not a basic function of a computer?
A. Store
B. Accept input
C. Process data
D. Copy text ☐

8. The real-time communications service that notifies users when one or more people are online and then allows them to exchange messages or files or join a private chat is.
- A. Electronic mail (EM)
 - B. Instant messaging (IM)
 - C. Streaming video (SV)
 - D. Streaming Audio (SA)
9. The linking of one or more computers together to communicate and share resources is called
- A. transmission
 - B. network
 - C. packet switching
 - D. online browsing
10. The following are examples of computer security threats, except.....
- A. digital divide
 - B. cyber crime
 - C. phishing
 - D. virus
11. Howard Aiken is credited for the invention of 1944.
- A. ABC computer
 - B. UNIVAC
 - C. ENIAC
 - D. Mark I
12. A logical expression that restricts the values to be entered in a field in a data base is called
- A. validation message.
 - B. input mask.
 - C. validation rule.
 - D. default value.
13. In data storage, the process of dividing the disk into tracks and sectors is
- A. partitioning.
 - B. formatting.
 - C. crashing.
 - D. defragmenting.
14. A television is a good example of communication.
- A. simplex
 - B. full duplex
 - C. half duplex
 - D. multiplexing

15. The valid sequence or order of writing characters or statements in a programming language is
- A. object code.
 - B. source code.
 - C. pseudo code.
 - D. program syntax.
16. The following are examples of hybrid computers except
- A. Laptops.
 - B. Egg monitors.
 - C. Radar and sonar systems.
 - D. Assembly lines.
17. The science of representing behavior of real life situation using a computerized model is
- A. virtual reality.
 - B. forensics.
 - C. simulations.
 - D. surveillance.
18. Which of these is a correct criteria for returning age given a field date of birth in a query.
- A. Age:Dates diff ("yyy,[DOB]Now())
 - B. Age:Date diff ("yyyy", (DOB) , Now ())
 - C. Age:Date diff("yyyy, (Date of Birth) Now())
 - D. Age:Date diff (yyyy, [Date of Birth]Now())
19. The illegal destruction of data and information with the aim of crippling service delivery or causing a great loss to an organization is called
- A. eave dropping.
 - B. sabotage.
 - C. fraud.
 - D. piracy.
20. The following error appears in a spreadsheet after no value is available or inappropriate argument are used.
- A. #N/A
 - B. #Div/O
 - C. #Num
 - D. Null

SECTION B (60 MARKS)

Attempt all questions in this section. Answers must be written in the spaces provided.

21. The worksheet below shows candidates work for BOT exams for computer studies, literature and commerce.

	A	B	C	D	E	F	G
1.	Names	Comp	Lit	Com			
2.	Opio	72	72	06			
3.	Adug	24	00	66			
4.	Walter	96	90	80			
5.	Musa	48	38	64			
6.	Total						
7.	Average						

- a) Write down the formulae that would return

(i) Total for computer studies (1 mark)

(ii) Average score for walter (1 mark)

- b) (i) Supposing it was an error to enter zero (0) in cell C₃, State two cells where the values could change automatically when the correct amount is input.

(2 marks)

(ii) List two values in the range B5:D5 (2 marks)

c) State two features of spreadsheets. (2 marks)

d) In reference to the table above. Identify two types of data used in spreadsheet. (2 marks)

22. (a) Distinguish between simplex and half duplex in data communication modes. (2 marks)

(b) Mention four elements of data communication models. (4 marks)

(c) Give four advantages of client – server over peer to peer network models. (4 marks)

23. (a) Define the following terms in relation to computer crime (2 marks)

(i) Fraud

(ii) Privacy

(b) Outline three measures that can be taken to control the above computer crimes. (3 marks)

(c) (i) Define a software suite. (2 marks)

(ii) State three factors to consider before installing any software program on a personal computer. (3 marks)

24. a) Differentiate between webpage and website. (2 marks)

(b) Explain the functions of the following terms in relations to the internet. (4 marks)

(i) IP Address

(ii) ISP

(iii) URL

(iv) TCP

(c) List down four factors that may lead to attenuation of signals while being transmitted. (4 marks)

25. (a) (i) State the difference between a micro-computer and mini-computer. (2 marks)

(ii) List two characteristics of super computers. (2 marks)

(b) Identify the major technological development in each of the following generations. (4 marks)

Generations	Technological developments
(i) First	
(ii) Third	
(iii) Fourth	
(iv) Second	

(c) Give two reasons why first generation computers were much expensive than the third generation computers. (2 marks)

26. (a) Explain the following terms in relation to presentation. (2 marks)
- (i) Transition effect.
- _____
- _____
- (ii) Animation effects. (2 marks)
- _____
- _____
- (iii) Master slide. (2 marks)
- _____
- _____
- (b) (i) Mention two examples of presentation software. (2 marks)
- _____
- _____
- (ii) State the importance of a text place holder in the creation of presentation. (2 marks)
- _____
- _____

SECTION C (20 MARKS)

Answer only one question from this section.

Answers to this question must be written on the answer booklet / sheets provided.

27. (a) Briefly describe the processes you go through to create user account with a password. (10marks)
- (b) Briefly describe how you would create a password in a word document. (10marks)
28. (a) Briefly describe how you would setup a simple network of three computers in open office space. (10marks)
- (b) In a bid to promote systems integrity, develop a checklist of five ethical guidelines computer and ICT users must follow in your school. (10marks)
29. (a) As a learner of computer briefly describe the approaches you would take to configure a newly bought printer for use with the available computers. (10marks)
- (b) Prepare a schedule of activities that you would have gone through for coming up with a functional and acceptable program code. (10marks)

END