#### FEDERAL REPUBLIC OF SOMALIA

GRADE 12 EXAMS, 2024

# TECHNOLOGY (ICT)



OFFICE OF EXAMINATIONS AND CERTIFICATION





## Ministry of Education, Culture & Higher Education

#### **National Examinations and Certifications Office**

Form Four National Examinations.

#### **JUUNIYO 2024**

SUBJECT: Technology (ICT)

TIME: 2 HOURS

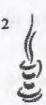
INSTRUCTIONS: Answer all questions in the ANSWER BOOKLET

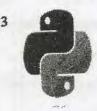
PART ONE: DIRECT QUESTIONS (20 Marks)

# Please answer ONLY EIGHT QUESTIONS while question number 6&10 is COMPULSORY

- 1. List the Microsoft access database objects and discuss in detail two of them?
- 2. What is the Waterfall Model?
- 3. Explain in Brief the table basics
- 4. Identify the main advantages and disadvantages of database?
- 5. Name 2 exampLes of poor primary key
- 6. Write a program that adds two number using python code? (3 Marks)
- 7. How to add new record in a form?
- 8. What is reports?
- 9. Explain the difference between interpreter and compiler?
- 10. From the figure below, please mention the appropriate name on each of the following programming languages: (3 Marks)







### PART TWO: MULTIPLE CHOICE QUESTIONS (60 Marks)

- is a mechanism in which a team can manage a project by breaking it up into many stages and requiring continuous collaboration with stakeholders and continual development and iteration at each stage.
  - a) Waterfall model
- b) Agile
- c) RAD
- d) XP

- 2. Which of the following is the advantage of waterfall model?
  - a) Easy and simple to understand and use
  - b) Even late change in requirement are welcomed
  - c) Frequent adaptation to changing circumstances
  - d) Face to face conversation is the best method of commination



3.	This method involves t	he old system Being co	ompletely dropped and n	new system being co SOM E)
	implemented at the same	e time is called		
	a) Parallel deployment	b) Direct deployment	c) Pilot deployment	d) Phased deployment
4.	is a title	give to person who stud	dies the problems and nee	eds of an organization looking
	for improvement opport	unities for improving qu	ality of service or product	, reducing cost and increasing
	the income or profit.			
	a) System analyst	b) Programme	c) Developer	d) Tester
5.	It is device	or a program that allows	s users to communicate w	vith computer.
	a) Environment	b) Input	c) Output	d) Interface
6.	Collection of Logically	related data which is usu	ually store in electronic for	orm is known us.
	a) Data warehouse	b) Table	c) Database	d) DBMS
7.	In the Microsoft Access,	which of the following	steps use to add new rec	ord in a table:
	a) In the records gre	oup on the Create tab, cl	lick the new command	
	b) In the records gro	oup on the database tool	, click the new command	
	c) In the records gre	oup on the home tab, cli	ck the new command	
	d) Click a tab, then	click the pin icon in the	lower right corner	*
8.	are a way o	f searching for data in	a table or compiling dat	a from one or more tables is
	known as:			
	a) Code	b) Queries	c) Command	s d) Forms
9.	In Microsoft Access, DE	BMS stands for:		
	a) Data Management	System	b) Database managemen	t Service
	c) Database Manager	ment System	d) Database Managemer	nt Security
10	. Byte allows whole numb	pers from		
	a) 1 to 245	b) 0 to 355	c) 0 to 255	d) 1 to 455
11	. In the Microsoft access 2	2016, to modify the page	e size, margin width, and	page orientation go to:
	a) Page layout	b) Review	c) View	d) Insert
12	On the home tab of ribbo	on, click the view comm	and. Select design view f	rom the drop-down menu that
	appears.			
	a) To modify a	query	b) To modify a report	
	c) To modify a pr	rint preview	d) To modify a form	
13	. Microsoft access has abi	lity to quickly retrieve a	and analyse data by runni	ng a
	a) Form	b) Database	c) Query	d) Report

• www.somexams.com



14. In Microsoft access for	m, there are two ways to	find and view	an existing rec	ord using a form, SOM	EXAMS
Both use the navigation	n bar at the bottom of th	e screen, so on	e of these way	s is:	
a) Click the navig	ation bottom in the hom	epage			
b) Find the file in	page layout and look it.				
c) Find the file in	insert page then search	in the navigati	on search box		
d) Type a word v	ou know is contained in	that record in	the navigation	search box.	
15. JavaScript, created in	the 1990s, it's a popular	script in deve	loping web pag	es. The name JavaScript	S
not related to:					
a) Python	b) Visual l	oasic	c) Java	d) C#	
16. There three types of e	rrors which can occur in	a program, the	ese are called:		
	e and semantic errors				
	e and program errors				
	and semantic errors				
	me and semantic errors				
17. Which of the following		?			
a) Java	b) C sharp	c) Visual b		d) Assembly	
18. The process of creating	ng software and power to	enable a com	puter to do alm	ost everything is:	
a) Software	b) Hardware	c) Progra		d) Report	
19. A code for writing do	wn to tell the computer	the instruction	s to do is:		
a) Programming		b) Program	ming language		
c) Software		d) Hardwar	re		
20. The process of writin	g an algorithm in a prog	ramming lang	uage is:	Tarita de la companya	
a) Coding	b) Report		Formatting	d) Debugging	
21. To write a comment i	n python simply put the			10	
a) Hash mark #	b) Dollar sign marl	c\$ c) S	Slash mark /	d) Question mark?	
22. The input function al	ways returns the user in	put as		15 179 4	
a) Integer	b) Float		String	d) Float	
23. The if statement is us	sed to create a decision s	tructure, which	h allows a prog	ram to have more than	
a) One path of exec		b) Two par	th of execution		
c) Three path of exe	ecution		th of execution		
24. In a programming, re		statement is ca	illed	d) List	
a) Conditional staten			Function	u) List	
25. If a loop does not have					
a) Counting control	led loop b) (	Conditional co	ntrolled loop		
c) Infinite loop		For loop			
26. Python is general-pu		in the early		1060	
a) 1990	b) 1980	c) 1970	a)	1960	

27.	is	a set of procedures and	guidelines that effect he	ow people lead	d their lives. SOM
	a) Ethics	b) Un ethics	c) Low	d) Rule	
28.	is someo	ne illegally accessing con	mputer or network		
3	a) Cracker	b) Hacker	c) Script kiddies	d) Corpor	rate spy
9.	is a p	program that adversely e	ffects or damages a con	mputer By alto	ering or manipula
3	he way the compu	ter or system functions w	vithout the user's knowl	ledge or permi	ission
- 13	a) Worm	b) Adware	c) Spyware	d) Virus	
	Rock doors	b) DOS attack	a) Datmot	1	G 6
		CH THE FOLLOWIN			Spoofing
'AI	RT THREE: MAT		IG QUESTIONS (20 M	Iarks) ws or circling	
PAI Plea	RT THREE: MAT	TCH THE FOLLOWINg in the answer column in name that represents	IG QUESTIONS (20 M	Iarks) ws or circling	the correct answ
PAI Plea	RT THREE: MAT  se put a character  is a computer's mem	TCH THE FOLLOWINg in the answer column in name that represents	IG QUESTIONS (20 Meanstead of drawing arrows a value in the	farks) ws or circling A.	the correct answ
Please 1	se put a character is a computer's mem If a Loop does no	in the answer column is a name that represents fory.  ot have a way of stopping at protect computers ar	IG QUESTIONS (20 Menstead of drawing arrows a value in the gris called	Marks)  ws or circling  A.  B.	the correct answ Variable
Please 1	is a computer's mem If a Loop does not one method the attacks is	in the answer column is a name that represents fory.  ot have a way of stopping at protect computers ar	IG QUESTIONS (20 Menstead of drawing arrows a value in the gris called and networks from	Marks)  ws or circling  A.  B.  C.	the correct answ Variable Infinite Loop
PAI	is a computer's mem If a Loop does not one method the attacks is_ One of the most	in the answer column in a name that represents fory.  ot have a way of stopping at protect computers an	IG QUESTIONS (20 Menstead of drawing arrows a value in the gris called and networks from	Marks)  ws or circling  A.  B.  C.	the correct answards Variable Infinite Loop Table
Please 1 2 3 4	se put a character  is a computer's mem  If a Loop does not one method the attacks is_  One of the most of Examples of Info	in the answer column is a name that represents fory.  ot have a way of stopping at protect computers are common software thefts	IG QUESTIONS (20 Menstead of drawing arrows a value in the gris called and networks from the gris are gris	Marks)  ws or circling  A.  B.  C.  D.  E.	the correct answ Variable Infinite Loop Table Microsoft

H. Network

I. Physical stealing

software

J. Hyperlink

resources of

instruction

9

10

11

IDE is an application used to create

Firewall Is a hardware or software which protects the

It contain links to other files, including web pages is called

Translates the code into machine code, instruction by