



12 Tudalen

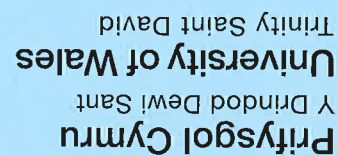
1. Rhowch yr holl wybodaeth y gofynnir amdani yn y blychau isod.
2. Rhowch eich enw yn y lle a ddarparwyd ar y dde, plygwch ef a'i selio i lawr (gan ddefnyddio'r label a ddarparwyd) i guddio'ch enw.
3. Rhaid i'r atebion fod mewn llawysgrifen ddarllenadwy. Gall yr Arholwyr naill ai anwybyddu sgrïpt annarllenadwy, neu drefnu iddi gael ei theipio a chael yr ymgeisydd i dalu.
4. Ysgrifennwch eich atebion mewn inc.
5. Dechreuwch bob ateb ar dudalen newydd. Gwnewch unrhyw fras nodiadau yn y llyfr atebion a thynnu llinell drwyddynt.
6. Ni ddylid rhwygo unrhyw ran o'r llyfr hwn; rhaid ei gyflwyno yn gyfan.
7. Os defnyddir mwy nag un llyfr, rhwymwch hwy gyda'i gilydd gan ddefnyddio'r tagiau sydd ar gael oddi wrth y gwyliwr/gwylwyr.
8. Rhaid dychwelyd pob llyfr. Ni chaniateir mynd â llyfrau atebion, wedi eu defnyddio neu heb eu defnyddio, allan o'r lleoliad arholi o dan unrhyw amgylchiadau.

1	Rhif Myfyriwr	
2	Teitl y Papur Arholiad	
3	Cod y Modwl	
4	Dyddiad ac Amser yr Archoliad	
5	Lleoliad yr Arholiad	
6	Rhif Sedd	
7	Nifer y Llyfrau Atebion a gyflwynwyd	

**Llenwch, plygwch a seliwch
(gweler nodyn 2 isod)**

CYFENW: _____

ENW(AU) CYNTAF: _____

[illegible]

12 Pages

1. Please give the information requested in the boxes below.

2. Enter your name in the space provided to the right, fold over, and seal down (using the label provided) to hide your name.

3. The answers must be legibly written. The Examiners can either ignore illegible script or have it typed and the expense of typing charged to the candidate.
4. Write your answers in ink.
5. Begin each answer on a fresh page. Do all rough work in the answer book and cross it through.
6. No part of this book is to be torn out; it must be handed in complete.
7. If more books than one are used, fasten them together using the tags available from the invigilator(s).
8. Every book must be handed in. In no circumstances may answer books, used or unused, be taken out of the examination venue.

7	Number of Answer Books handed in	✓
6	Seat Number	
5	Examination Venue	LR 12
4	Date and Time of Examination	5 th July 2023
3	Module Code	ACC4022
2	Title of Examination Paper	Computer architecture
1	Student Number	2227504

(Gweler yr ochr arall am y fersiwn Cymraeg)

Office Use	List the numbers of the questions you have attempted	Total
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Complete, fold and seal
(see note 2 below)

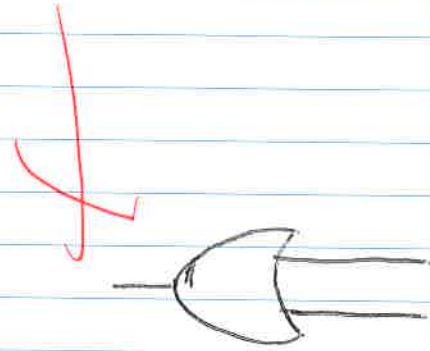
SURNAME:

Leikime Bizirni

090171

FORENAME(S): K9060 19214h.

Q4



- Q2
1. mouse, output device (B)(C) ✓
 2. monitor, output device (D)(D) ✓
 3. RAM, memory (A)(B) ✓
 4. Ethernet port, (C) ✓
 5. Microphone, output device (C)(C) ✓
 6. Flash drive, storage device (E) ✓
 7. Modem, (F) ✓
 8. Gamepad, input device (B)(C) ✓

✓

i)

$$(263)_{10} = 10000111$$

ii) (0110100101110)₂

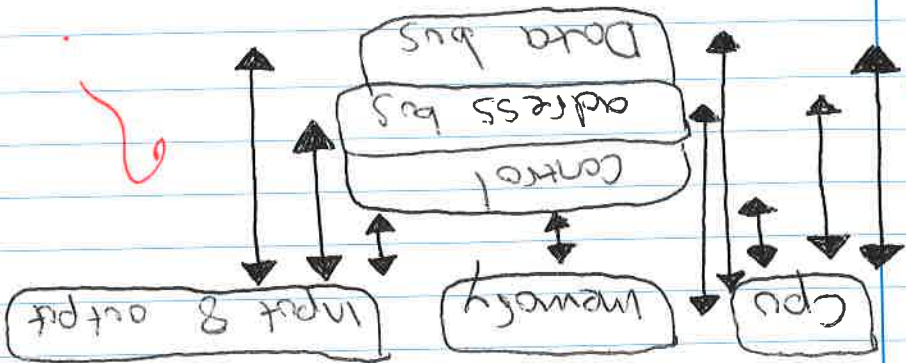
✓

✓

Q5a. Redundancy Array Independent Disk

Raid 0 striping & Raid 1 mirroring (2 disks)
Raid stores data into disks (two plus)
Raid can be very cost efficient due to its benefits
Raid can have a hours of down time
Raid still has potential of losing all your data
The different levels of Raid offer different storage levels, speeds, ~~various~~ but cost variety & further advantages
each levels has to one another and disadvantages
too
Raid 5 has increased reliability & fairly priced

Harvard architecture is ~~pricier~~ more expensive
Q7. Von Neumann is cheaper in cost
Von Neumann cannot read/write same time
von neumann architecture can be used on
super / personal computers
Same instruction address is used for instruction & data for VN
Q6. Bus controls the flow in which and how
Instructions are processed on a CPU, memory & input
& output devices



[illegible]

Rhif y Cwestiwn		Arholwr yn unig		Rhif y Cwestiwn		Arholwr yn unig	