



12 Pages

1. Please give the information requested in the boxes below.
2. Enter your name in the space provided to the right, fold the book in half lengthwise and seal down (using the label provided) to hide your name.
3. The answers must be legibly written. The Examiners can either read your handwriting 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.**

List the numbers of the questions you have attempted	Office Use
3	
1	11
4	10
2	3
Total	24

(Gweler yr ochr arall am y fersiwn Cymraeg)

FORENAME(S): Mohammed.



Prifysgol Cyfmr
Y Drindod Dewi Sant
University of Wales
Trinity Saint David

12 Tüdalen

1. Rhwch yr holl wybodaeth y gofynnir amdani yn y blychau isod.
2. Rhwch eich enw yn y lle a ddarparwyd ar y dde, plynwch et a'i selio i lawr (gan ddefnyddio'r label a ddarparwyd) i guddio'ch enw.

3. Rhaid i'r atebion fod mewn llawysgriften ddarlennadwy. 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 gwyllwrr/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.

[illegible]

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

(See the other side for English version)

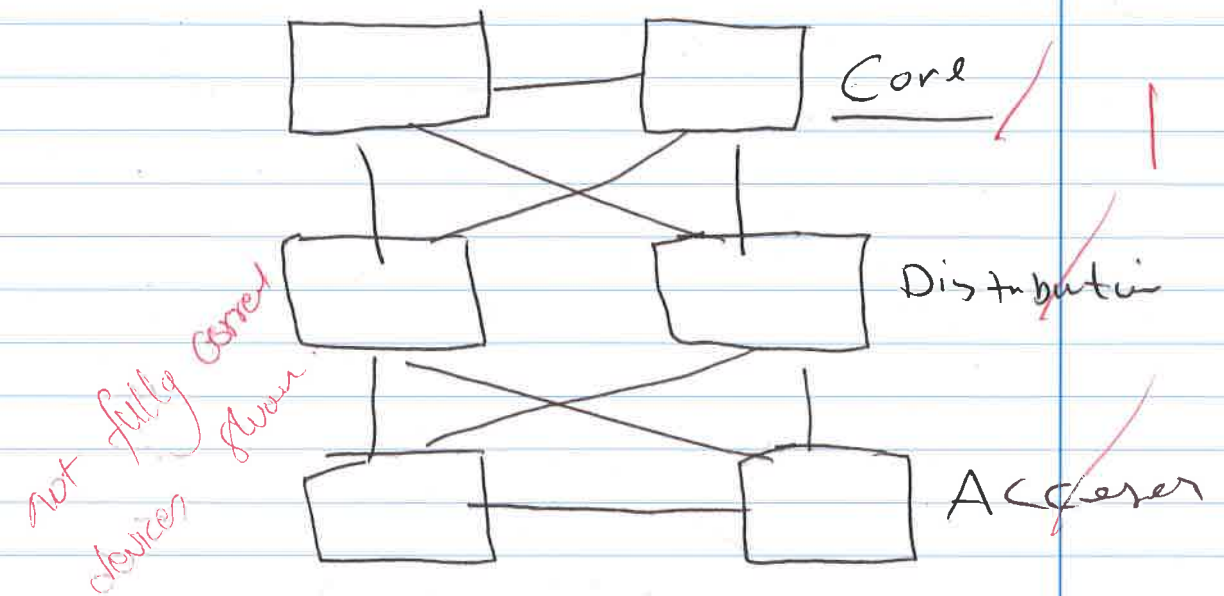
Llenwch, plygwrch a selwch
(gweler nodyn 2 isod)

CYFENW:

ENW(AU) CYNTAF:

1

a-



- Core is the highest ~~top~~ Layer in the 3-tier Hierarchical. It use the Most powerful Switches and Router.
- It is the Backbone of the network.
- It is very fast and reliable.
- It Route between ~~separated~~ Geographical separated networks.

• Distribution

- It Sit between Core and Access.
- It route VLAN
- Route Distribution
- Filtering
- Access Lists
- Re-distribute static Route.

- Access

- Layer 2 Switches
- Forward packets between users
- It called the user Access Layer
- User policies Applied here

2

- b - Inbound are the traffic ^{filter} coming to inside the network
- outbound are the traffic leaving the network.

1

C - Store and Forward.

It store the packet in its Buffer.

It Does CRC Error Check.

IF Error occurs packet get Discarded
otherwise it get Forwarded.

2

Cut through

As soon as it Receive the ^{Destination} MAC Address (First 6 Bits)
it Forward the packet

1

2

a

i

Interface that Connected to the network

ii

~~Interface that connected to outside of the network.~~

iii

iv

outside Network. e.g. public IP address configured.
on latter Interface the is facing outside of the network.

b

i

process switching software when switching, so it's very slow.

ii

Fast switching use software for first packet ^{only} then hardware.

iii

Cut Express Forwarding - is hardware base forwarding

C

Static Route.

- * For Any ~~pack~~ traffic that does not belong to network.
- * Static Route to e.g. ISP.

4

- i Vlan - Separate Broadcast Domain ✓
 - Easy to Manage. ✓
 - Faster. ✓
 - Secure. ✓

4

- ii Data Vlan is where all Data only traffic
 No Voice in this Vlan

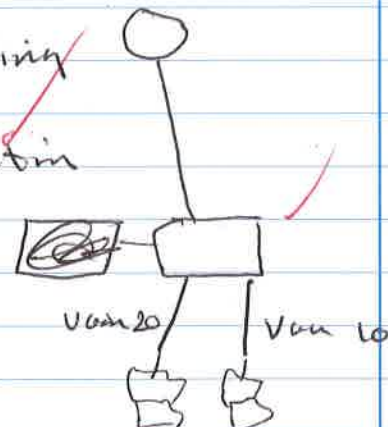
1

Management Vlan. It's used for Vlan Management
 by configuring it with IP Address we can
 Telnet SSH

2

- iii It perform Inter Vlan Routing by accepting
 Vlan traffic on Trunk from Adjacent
 Switches and perform Inter Vlan Routing
 by using Sub Interfaces.

1



- iv Vlan Trunk carry all Vlan Traffic.
 It Tag packet with its Vlan Tag
 It use Encapsulation 802.1Q

2

