



Topic 3 Revision

CHAT GPT EXPERIENTIAL EXTRAVAGANZA - 5 Parts to the goal



SETUP - 3 minutes

ORGANISE INTO TEAMS OF 3 OR 4

THINK OF A TEAM NAME, SLOGAN and ICON.

DRAW/WRITE THEM ON YOUR PAPER.

DIVIDE THE PAPER INTO 4 SECTIONS.

YOU WILL BE PRESENTED WITH 20+ KEY TERMS.

WRITE EACH TERM IN THE BOX YOU THINK BEST.

Networks	Data Transmission
Wireless networking	Not sure



protocols



LAN



DNS Server



PAN



VPN



Server



Client



WLAN



router



SAN



intranet



Data packet



VLAN



internet



WAN



extranet



P2P



Packet switching



wifi



wimax



WAP



cellular



MAC address



Encryption



NIC



Biometrics



Authentication



**Cost
Speed
Reliability
(CSR)**

WRITE CSR ON YOUR SHEET



Part B Instructions - 5 minutes max

Look at your “Not Sure” column.

ASK CHAT GPT to explain or define any terms that you are not sure about. Share what you get with your teammates.



Part C Instructions

TRUE/FALSE Round

Turn over your paper and create 2 columns, T and F

Each statement has a number.

Write the number of the statement in the column you decide is the correct column.



1. The Internet is a decentralized network, composed of interconnected autonomous networks.



2. In a client-server network architecture, client devices are responsible for providing services and resources to other clients on the network.



3. A MAC (Media Access Control) address is a shared identifier assigned to network interfaces cards (NIC)



4. The OSI Model consists of seven main layers: Application, Presentation, Session, Transport, Network, Data and Physical.



5. HTTP (Hypertext Transfer Protocol) is a stateless protocol used for transmitting data over the World Wide Web



6. In a peer-to-peer (P2P) network, there is no central server, and all nodes have equal status and can communicate directly with one another.



7. VPN (Virtual Private Network) technology is commonly used to establish secure and encrypted connections to a private network (known as tunneling) over public networks like the Internet.



8. DNS (Domain Name Server) is responsible for translating human-readable domain names into IP addresses.



9. In a local area network (LAN), data transmission is typically slower than in a wide area network (WAN).



10. Bandwidth refers to the speed at which data is transmitted over a network, and it is measured in bytes per second (Bps)



Part D

SWAP YOUR SHEET WITH ANOTHER TEAM.

GRADE THE TEAM AND RETURN THEIR SHEET.



Answer Grid

T	F
1	2
4	3
5	9
6	10
7	
8	



Part E - 10 minutes max

1. Ask Chat GPT to generate an IBDP Exam Question based on IBDP Computer Science Topic 3 and using the command term “outline”. Ask for the answer, too! If you understand the question and answer clearly, then you have found an appropriate question! Keep searching until you find an appropriate question/answer, 1 per team - NEGOTIATE!
2. Write your chosen QUESTION ONLY down on your paper.
3. Close your laptops!
4. Give your paper to another team. Attempt to answer the question. As an “outline” question, try to achieve 2 to 3 marks.
5. Return the paper to the owners. They will grade it and give you feedback.



CONCLUSION

IF THIS ACTIVITY WAS A WASTE OF YOUR TIME,
RIP UP YOUR SHEET OF PAPER AND DISPOSE
OF APPROPRIATELY.

IF THIS ACTIVITY HAD VALUE, TAKE YOUR
SHEET TO THE NOTICE BOARD AND PIN IT UP
WITH PRIDE