MODULE E NETWORKS · E10

Email protocols: POP, IMAP and SMTP

Original practice questions · 19 marks · ~25 minutes · OCR J277 spec 1.3.2

Name _____ Date _____

Instructions. Answer all questions in the spaces provided. The marks for each part are shown in brackets [ ]. The total for this worksheet is **19 marks**.

1

Total: 2 marks

(a) State what the letters SMTP stand for. **[1]**

(b) State what the letters IMAP stand for. **[1]**

2

Total: 4 marks

Tick (✓) **one** box in each row to show which protocol is used for each task. **[4]**

Task	SMTP	POP	IMAP
Sending an email from a laptop to the sender's mail server			
Passing an email from one mail server to another mail server			
Downloading emails to one device, usually deleting them from the mail server			
Keeping emails on the mail server so that several devices show the same inbox			

3

Total: 3 marks

Tick (✓) **one** box in each row to show whether each statement is true or false. **[3]**

Statement	True	False
SMTP is used to collect new emails from a mail server		
An email downloaded with POP can be read on that device without a connection		
IMAP needs storage space on the mail server for the emails		

4 **Total: 3 marks**

A retired engineer reads email on one desktop computer at home and never uses any other device for email. Their email software uses POP.

Describe how POP handles the engineer's new emails. **[3]**

5 **Total: 7 marks**

A mobile florist runs her business alone. She reads and answers customer emails on a phone in her van, a tablet at market stalls and a computer in her workshop.

(a) Recommend whether her devices should use POP or IMAP to receive email. Justify your recommendation. **[3]**

Protocol

Justification

(b) The florist deletes an order email on her phone. Explain what happens to that email on her workshop computer if her devices use the protocol you recommended in (a). **[2]**

(c) Explain **one** drawback for the florist of the protocol you recommended in (a). **[2]**

Total for this worksheet: 19 marks