## www.papacambridge.com MARK SCHEME for the October/November 2012 series

## 0420 COMPUTER STUDIES

0420/31

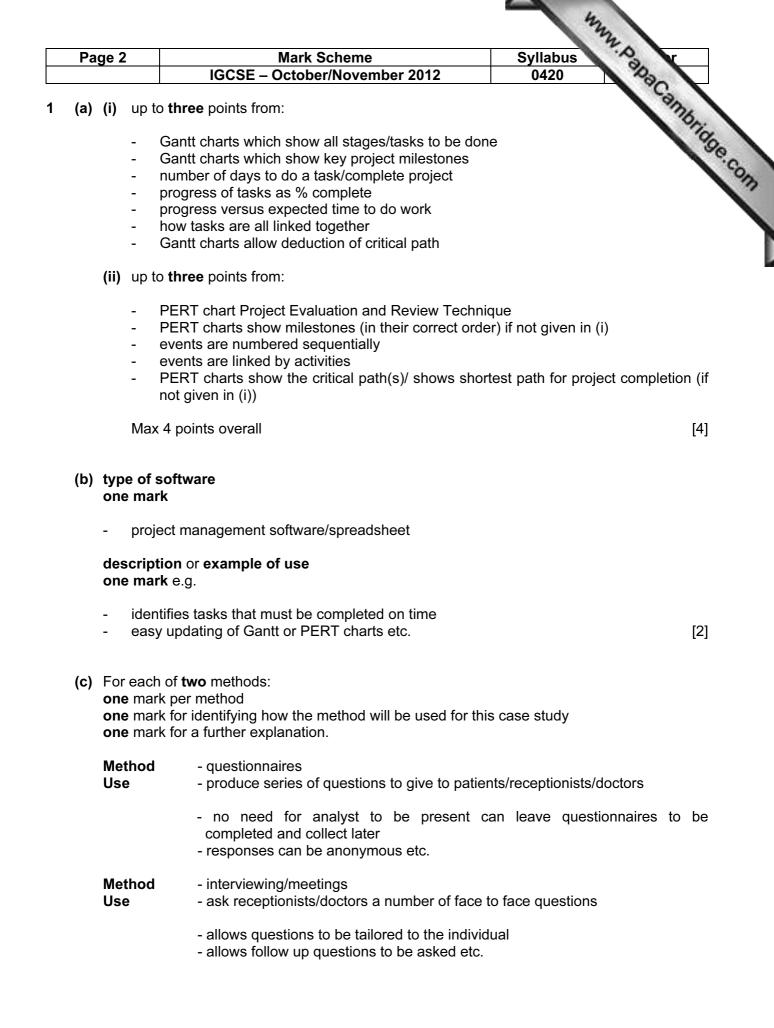
Paper 3, maximum raw mark 60

This mark scheme is published as an aid to teachers and candidates, to indicate the requirements of the examination. It shows the basis on which Examiners were instructed to award marks. It does not indicate the details of the discussions that took place at an Examiners' meeting before marking began, which would have considered the acceptability of alternative answers.

Mark schemes should be read in conjunction with the question paper and the Principal Examiner Report for Teachers.

Cambridge will not enter into discussions about these mark schemes.

Cambridge is publishing the mark schemes for the October/November 2012 series for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level components and some Ordinary Level components.



Page 3	Mark Scheme	Syllabus	r
	IGCSE – October/November 2012	0420	2
Method Use	<ul> <li>document search</li> <li>gather information from documents/ appointment booking system</li> </ul>	/paperwork used in	a Campilage
	<ul> <li>allows procedures to be studied first hand</li> <li>allows close scrutiny of all paperwork/files et</li> </ul>	tc.	
Method Use	<ul> <li>observation (not doctors)</li> <li>watch receptionists doing their day for their appointments</li> </ul>		
	- gives first hand knowledge of how system w	orks etc.	[6]
	per item of hardware per reason why it would be needed		
	per item of hardware per reason why it would be needed - Network Interface Card - to allow a computer to access the network		
one mark Item	per reason why it would be needed - Network Interface Card		
one mark Item Reason Item	per reason why it would be needed - Network Interface Card - to allow a computer to access the network - hub	data collisions)	
one mark Item Reason Item Reason Item	<ul> <li>per reason why it would be needed</li> <li>Network Interface Card</li> <li>to allow a computer to access the network</li> <li>hub</li> <li>connects segments of a LAN</li> <li>switch</li> </ul>	data collisions)	[4]
one mark Item Reason Item Reason Item Reason	per reason why it would be needed - Network Interface Card - to allow a computer to access the network - hub - connects segments of a LAN - switch - connects segments of a LAN (with reduced of - server	data collisions)	[4]

- clarity of instructions
- good layout

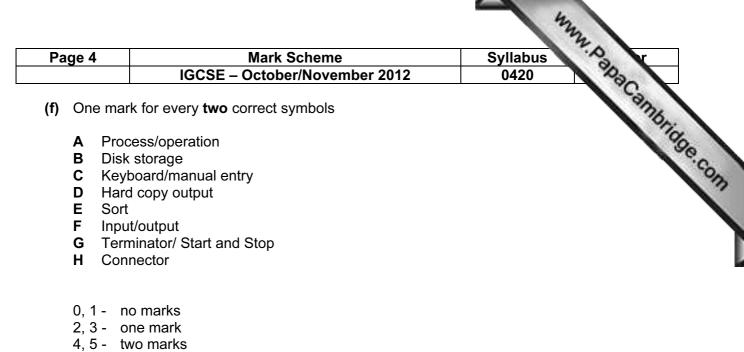
## (ii) up to four points

- appropriate screen title
- offered all 31 days
- can see all days of the month clearly

If not given in (i)

- confirm and try again
- navigation buttons
- clarity of instructions
- good layout

Max 4 per screen, 8 in total



- 6, 7 three marks
- 8 four marks

[4]

- (g) One mark per process, max 4
  - Checking patient number and password
  - Selection of doctor
  - Offering appointment
  - Selection of appointment
  - Sorting and printing out/displaying list of appointments for a doctor

**One** mark per input, max 2

- Patient Number
- Password
- Selection of Doctor
- Selection of appointment time/date

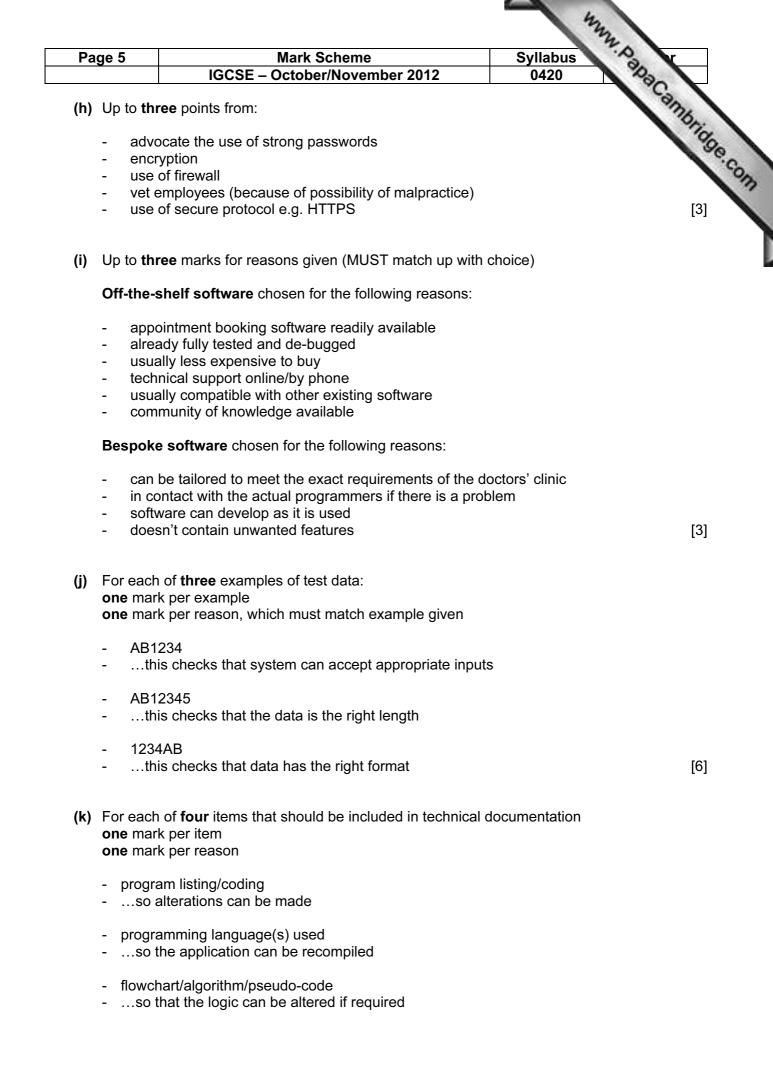
One mark per data store, max 2

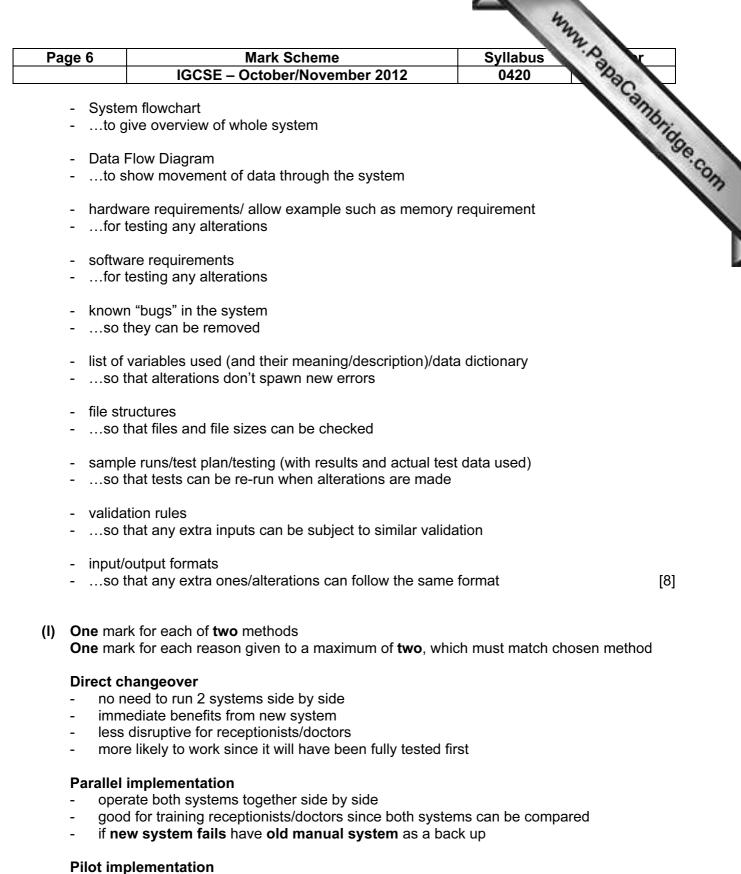
- Patient file/database
- Appointment file/database
- Doctor file/database
- Database (only if none of the above were given)

One mark per output, max 2

- appointment (screen not paper)
- lists for each doctor (screen or paper)

[8]





- adopt new system at one clinic
- can easily re-introduce old system if problems occur
- makes sure system fully works before adopting at another clinic

## Phased implementation e.g.

- part of system (e.g. patient arrivals) introduced initially for trials
- if it is OK, gradually introduce other parts of the new system
- if a problem occurs, can stop using it any stage
- allows receptionists/doctors to gain confidence in its operation