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

0420 COMPUTER STUDIES

0420/33

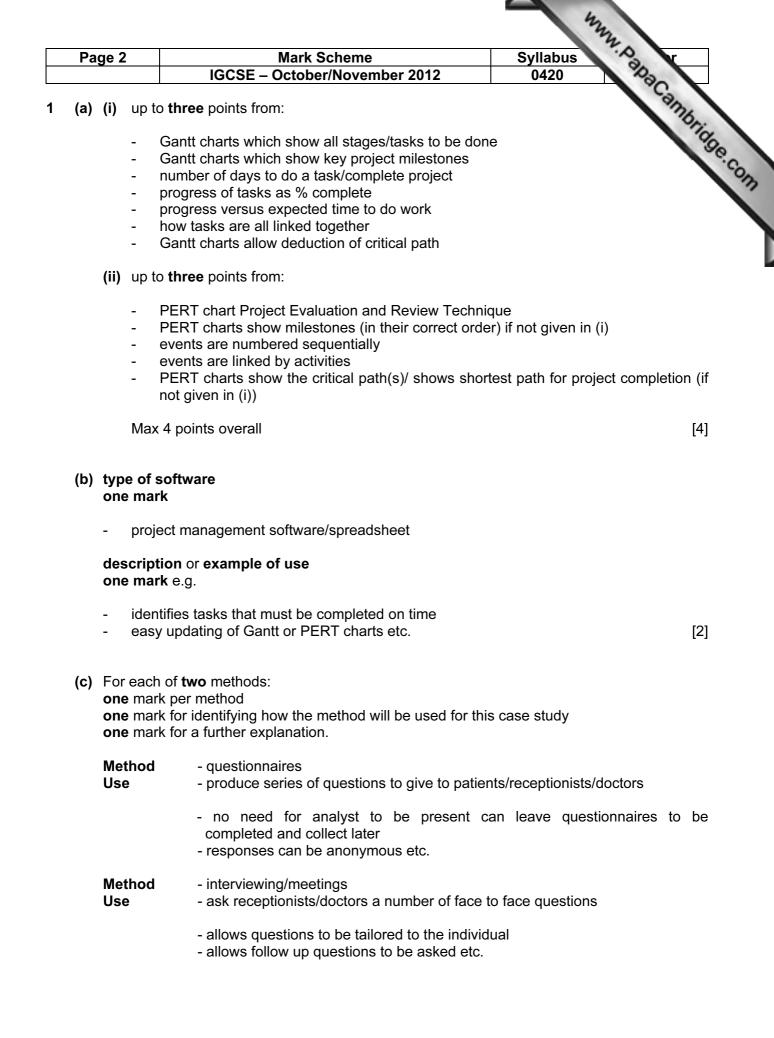
Paper 3, maximum raw mark 60

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 Syllabus
	IGCSE – October/November 2012	0420
Method Use	 document search gather information from documents appointment booking system 	Syllabus 0420 /paperwork used in tc.
	 allows procedures to be studied first hand allows close scrutiny of all paperwork/files e 	tc.
Method Use	 observation (not doctors) watch receptionists doing their day for their appointments 	
	- gives first hand knowledge of how system w	orks etc. [6]
one mark Item Reason	 Network Interface Card to allow a computer to access the network 	
ltem Reason	- hub - connects segments of a LAN	
ltem Reason	 switch connects segments of a LAN (with reduced data collisions) 	
ltem Reason	 server various functions print, file etc. 	[4]
(e) (i) up to	four points	

- clarity of instructions
- good layout

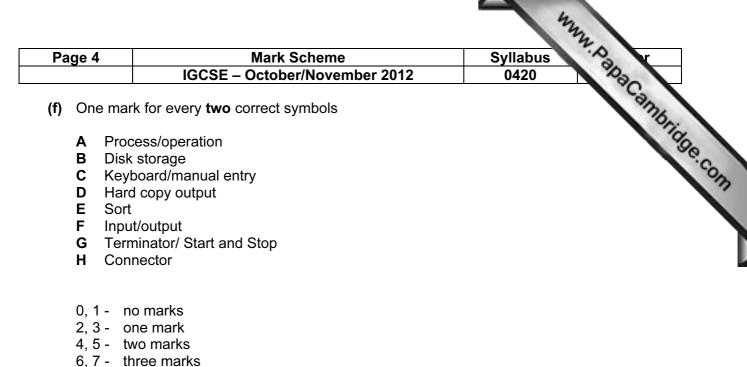
(ii) up to four points

- 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

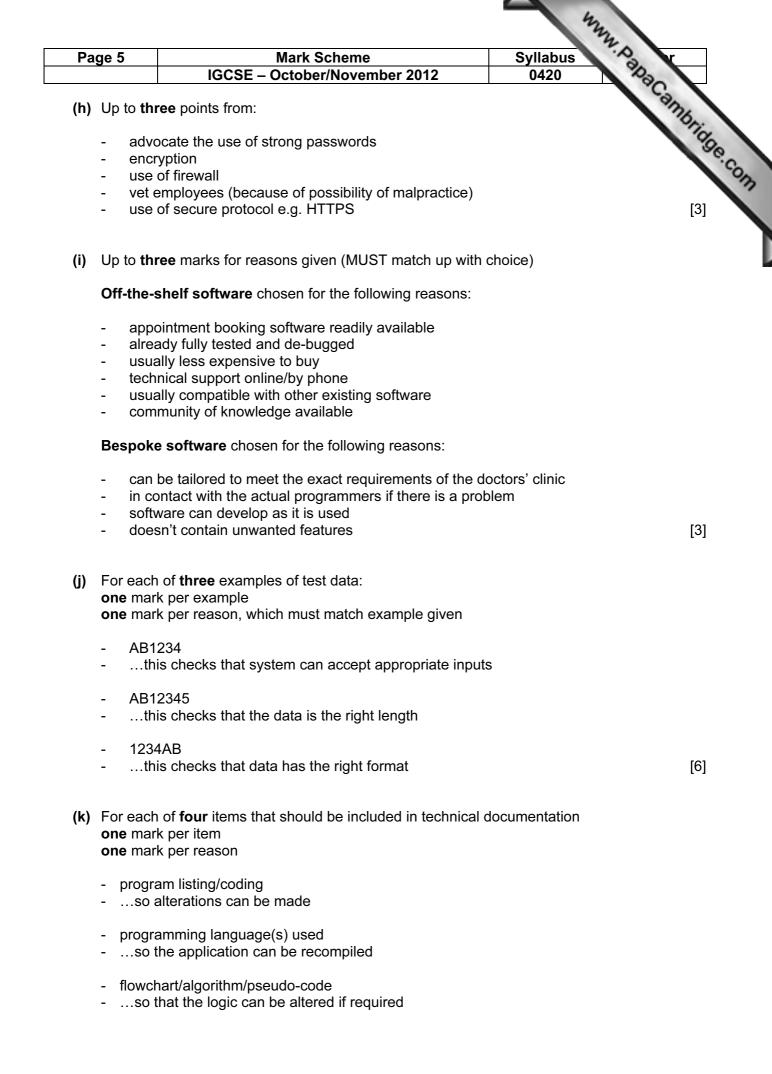
One mark per data store, max 2

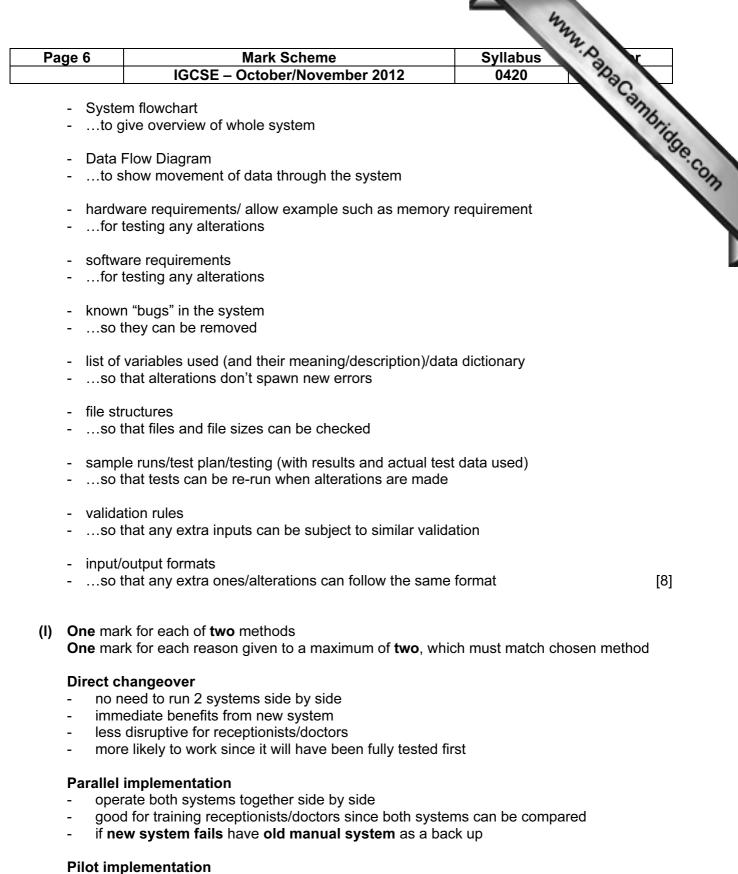
- Patient file/database
- Appointment file/database
- Doctor file/database
- Database (only if none of the above were given)

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