

**SECTION B**

Answer *one* question.

**4. IT Systems in Moldazia state**

The government of Moldazia state wishes to develop a new government information system which will organize all its stored data in a central location. Part of this new system will enable citizens to gain access to appropriate information using a web browser.

Using this system, citizens will be able to download publications, forms and information about the state’s services as well as to provide feedback.

Currently, the information is stored in a wide variety of formats held on a number of servers. This means that inquirers have to contact a member of staff by phone or email and request the information to be sent.

The newly elected governor has told the chief IT project manager that a fully functional, integrated and interactive IT system allowing citizens access to appropriate information must be implemented by 1 June 2011.

In order to speed up the process, the programmer has been allowed to start work on some of the modules in advance of project approval.

The work breakdown structure for the development of the Moldazia IT system is as follows:

<b>Project stage</b>	<b>Start date</b>	<b>End date</b>	<b>Development Personnel</b>
Analysis of current situation	22 June 2009	9 October 2009	Analyst
Feasibility study	12 October 2009	3 March 2010	Technical author
Acceptance	3 March 2010	3 March 2010	Client
Design	4 March 2010	29 June 2010	Designer
Development	1 March 2010	22 April 2011	Programmer
Implementation	25 April 2011	1 June 2011	Installer
Sign off	1 June 2011	1 June 2011	Client

*(This question continues on the following page)*

*(Question 4 continued)*

- (a) (i) Identify **two** items that will be present in the project initiation document for the Moldazia information system. *[2 marks]*
- (ii) State **two** milestones that occur in the course of this project. *[2 marks]*
- (iii) State **two** reasons why a feasibility study is produced during project development. *[2 marks]*
- (b) (i) Construct a Gantt chart using the information in the table on the opposite page. *[4 marks]*
- (ii) Explain **one** advantage of using a Gantt chart for the management of an IT project. *[2 marks]*
- (c) The project manager has to decide whether to use the waterfall development model or agile development model in order to manage the project. Evaluate the strengths and weaknesses of each approach in the case of the Moldazia information system. *[8 marks]*