

## 1.7E: Organisational Planning Tools: Activity



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### 1.7 ORGANISATIONAL PLANNING TOOLS: ACTIVITY E

Read the case study below and answer the questions that follow.

#### QUALITY CONTRACTING, INC



Ms Turner likes to be hands on during a job

Quality Contracting Inc. was established by George Turner in 1971 as a specialist residential housing construction company. In 2014 Abigail Turner took control of the business upon her father's retirement. One of the first changes Ms Turner implemented was around the planning of construction projects. She could see early on that there could be efficiency and productivity gains to be made in the use of established business planning tools.

Whereas her father had relied mainly on intuitive decision-making to plan the sequence of tasks involved in the construction of a house, Ms Turner turned to the use of Gantt charts to plan and organise each residential construction project. Ms Turner spends more of her time managing the multiple construction projects Quality Contracting is engaged in at any one time, and as such she

needs her individual project managers to have a good understanding of how to construct, interpret and follow the Gantt chart for any construction project the company is undertaking.

Quality Contracting has been just been successful in winning a new residential construction project for a large beach house that includes an infinity pool overlooking the Pacific Ocean. Ms Turner aims to use this this particular project to train one of her new managers, Kate Mcrae in the preparation and use of Gantt charts. She has outlined the individual tasks, how long these are expected to take and the necessary sequence of each task. These are outlined below.

**1.7E: Organisational Planning Tools: Activity**

Task	Estimated time to complete	Order (preceded by)
A. Construct the foundations	2 weeks	-
B. Construct the house	12 weeks	A
C. Excavate and lay foundations for pool	4 weeks	A
D. Concreting, tiling and sealing of pool	4 weeks	C
E. Internal painting, plastering, fixtures and fittings	6 weeks	B
F. Final checks, tidying and handover to owners	2 weeks	D and E

Source: [www.BusinessManagementIB.com](http://www.BusinessManagementIB.com)

**QUESTIONS: 22 MARKS, 44 MINUTES**

- Define the following key terms:
  - Organisational planning tools
  - Gantt charts

**[4 marks]**
- Use the above information to construct a Gantt chart for Quality Contracting, Inc.
 

**[6 marks]**
- Calculate the fastest time for project completion.
 

**[2 marks]**
- Evaluate the value of Quality Contracting, Inc. using Gantt charts as an organisational planning tool.
 

**[10 marks]**