Solutions

2.1

- A 0-3; B 3-7; C 3-9; D 7-9; E 9-14; F 14-17.
- Duration 17 days; critical path A-C-E-F $= 3 + 6 + 5 + 3$.

2.2

- B: LF 9 (E must start at 9), EF 7 - float 2.
- D: LF 14, EF 9 - float 5.

2.3

- C by 2 at $300 < 450$: yes - 15 days; A-B-E-F is now also 15.
- E at $500 > 450$: no. Net $2 \times 450 - 600 = +300$.

2.4

- $CPI = 20{,}000/25{,}000 = 0.80$; $SPI = 20{,}000/22{,}000 = 0.91$.
- $EAC = 40{,}000/0.80 = 50{,}000$ - a 10,000 overrun flagged now.