

# COST ACCOUNTING AND QUANTITATIVE ANALYSIS

**Foundation stage**  
**December 2001**

## MARKING SCHEME



**Question 1**

(a) Overhead Analysis Sheet

|                                  | <b>Machining</b> | <b>Assembly</b> | <b>Maintenance</b> | <b>Stores</b>  | <b>Total</b>     |
|----------------------------------|------------------|-----------------|--------------------|----------------|------------------|
|                                  | <b>£</b>         | <b>£</b>        | <b>£</b>           | <b>£</b>       | <b>£</b>         |
| Indirect materials               | 100,000          | 100,000         | 45,000             | 9,000          | 254,000          |
| Indirect wages                   | 100,000          | 98,500          | 92,500             | 46,000         | 337,000          |
| Managers salaries (employees)    | 30,000           | 30,000          | 10,000             | 10,000         | 80,000           |
| Depreciation of machines (value) | 120,000          | 30,000          | -                  | -              | 150,000          |
| Heating & lighting (area)        | 10,000           | 15,000          | 10,000             | 15,000         | 50,000           |
| Building insurance (area)        | 5,000            | 7,500           | 5,000              | 7,500          | 25,000           |
| Insurance of machines (value)    | 12,000           | 3,000           | -                  | -              | 15,000           |
| Rent and rates (area)            | 20,000           | 30,000          | 20,000             | 30,000         | 100,000          |
|                                  | <b>397,000</b>   | <b>314,000</b>  | <b>182,500</b>     | <b>117,500</b> | <b>1,011,000</b> |

4

Need to reapportion stores and maintenance departments.

|                                       | <b>Machining</b> | <b>Assembly</b> | <b>Stores</b> | <b>Maintenance</b> |
|---------------------------------------|------------------|-----------------|---------------|--------------------|
| Stores (using issues)                 | 40%              | 40%             |               | 20%                |
| Maintenance (using maintenance hours) | 50%              | 25%             | 25%           |                    |

2

(ie reciprocal service costs)

N.B: Using specified order of closure:-

Would expect to close maintenance first as it does 25% of its work for stores, which is larger than the 20% stores does for maintenance. (See Drury page 103).

|                                     | <b>Machining</b> | <b>Assembly</b> | <b>Maintenance</b> | <b>Stores</b> |
|-------------------------------------|------------------|-----------------|--------------------|---------------|
| Apportion maintenance (50% 25% 25%) | 91,250           | 45,625          | (182,500)          | 45,625        |
| Apportion stores (50% 50%)          | 81,562           | 81,563          | Nil                | (163,125)     |
| Total                               | <u>569,812</u>   | <u>441,188</u>  |                    |               |

(10)

(b) Overhead Absorption Rate for machinery department is:

$$\frac{\pounds 569,812}{50,000 \text{ machine hours}} = \pounds 11.40 \text{ per machine hour} \quad 1\frac{1}{2}$$

Overhead Absorption Rate for assembly department is:

$$\frac{\pounds 441,188}{75,000 \text{ labour hours}} = \pounds 5.88 \text{ per labour hour} \quad 1\frac{1}{2}$$

(3)

(c) Reasons to use standard costs and activity:

- need to charge overheads to customers throughout costing period
- not practical to wait till end of costing period
- helps smooth out seasonal fluctuations
- helps planning
- charge consistent prices to customers

*1 mark for each reason, up to a maximum of 3*

Problems:

- can cause problem of under/over absorption
- may not recover full costs

*1 mark for each problem, up to a maximum of 2*

(5)

(d) Expected cost of materials:

|              |   |              |
|--------------|---|--------------|
| £900 x 0.2   | = | 180          |
| £1,200 x 0.5 | = | 600          |
| £1,600 x 0.3 | = | <u>480</u>   |
| Total        |   | <u>1,260</u> |

Price for Order AXB 03:

|                  | Units  | £/unit | Total<br>£   |   |
|------------------|--------|--------|--------------|---|
| Direct Materials |        |        | 1,260        | 2 |
| Direct Labour    | 25 hrs | £8/hr  | 200          | 1 |
| Indirect Costs   |        |        |              |   |
| Assembly         | 25 hrs | £5.88  | 147          | 1 |
| Machine          | 20 hrs | £11.40 | <u>228</u>   | 1 |
| Total Costs      |        |        | <u>1,835</u> |   |
| Plus 25%         |        |        | 459          | 1 |
| Total Price      |        |        | <u>2,294</u> | 1 |

(7)

(25)

NB the 25 labour hours are assumed to be spent in the Assembly department and 20 machine hours in the Machining department. No information is given in the question to the contrary. However, should a student make a clearly stated different assumption then full credit will be given).

**Question 2**

(a)

**Process A Cost Account**

|                              | kg        | per kg | £             |   | kg        | per kg | £   |               |    |
|------------------------------|-----------|--------|---------------|---|-----------|--------|-----|---------------|----|
| Woodpulp                     | 2,500     | £9     | 22,500        | ½ | Normal    | 350    | £1  | 350           | ½  |
|                              |           |        |               |   | Loss-10%  |        |     |               |    |
| Viscose                      | 1,000     | £2.50  | 2,500         | ½ |           |        |     |               |    |
| Stirrers<br>(400 hrs x £15)  |           |        | 6,000         | ½ | Abnormal  | 150    | £15 | 2,250         | 1  |
| Checkers<br>(200 hrs x £25)  |           |        | 5,000         | ½ | Loss      |        |     |               |    |
| Overheads<br>(£25,000 x 32%) | Flat rate |        | 3,600         | 1 | Process B | 3,000  | £15 | 45,000        | 1½ |
|                              | Oncost    |        | 8,000         |   |           |        |     |               |    |
|                              |           |        | <u>47,600</u> |   |           |        |     | <u>47,600</u> |    |

6

**Workings**

Cost per kg

$$= \frac{\text{Total Cost} - \text{Scrap Value on Normal Loss}}{\text{Normal Units Produced}}$$

$$= \frac{£47,600 - £350}{3,150 \text{ kgs}} = £15 \text{ per kg}$$

**Process B Cost Account**

|                                    | Kg        | per kg | £             |     | kg                            | per kg | £   |               |   |
|------------------------------------|-----------|--------|---------------|-----|-------------------------------|--------|-----|---------------|---|
| Transfer from<br>Process A         | 3,000     | £15    | 45,000        |     | Normal Loss<br>(3,200 x 20%)  | 640    | £2  | 1,280         | ½ |
| Finishing agent                    | 200       | £50    | 10,000        | ½   |                               |        |     |               |   |
| Finishing staff<br>(200 hrs x £20) |           |        | 4,000         | ½   | Transfer to<br>Finished Stock | 2,700  | £25 | 67,500        | 1 |
| Overheads<br>(£10,000<br>x 10%)    | Flat rate |        | 1,280         | 1   |                               |        |     |               |   |
|                                    | Oncost    |        | 5,000         |     |                               |        |     |               |   |
| Abnormal Gain                      | 140       | £25    | 3,500         | 1 ½ |                               |        |     |               |   |
|                                    |           |        | <u>68,780</u> |     |                               |        |     | <u>68,780</u> | 5 |

(11)

**Workings**

*Cost per kg*

$$= \frac{\text{Total Cost} - \text{Scrap Value on Normal Loss}}{\text{Normal Units Produced}}$$

$$= \frac{£65,280 - £1,280}{2,560 \text{ kgs}} = £25 \text{ per kg}$$

(b) Marks to be awarded are shown in italics.

**Normal Loss Account**

|           | £            |                 | £            |          |
|-----------|--------------|-----------------|--------------|----------|
| Process A | <u>350</u>   | Bank            | <u>350</u>   | <i>1</i> |
| Process B | 1,280        | Abnormal Gain   | 280          |          |
|           |              | Bank (500 x £2) | 1,000        | <i>1</i> |
|           | <u>1,630</u> |                 | <u>1,630</u> |          |

**Abnormal Gain Account**

| £                         |          | £            |
|---------------------------|----------|--------------|
| Normal Loss<br>(140 x £2) | <i>1</i> | Process B    |
| 280                       |          | <u>3,500</u> |
| Profit & Loss A/C         | <i>1</i> |              |
| <u>3,220</u>              |          |              |
| 3,500                     |          | <u>3,500</u> |

**Abnormal Loss Account**

|           | £            |                   | £            |          |
|-----------|--------------|-------------------|--------------|----------|
| Process A | 2,250        | Bank              | 150          | <i>1</i> |
|           |              | (150 x £1)        |              |          |
|           |              | Profit & Loss A/C | 2,100        | <i>1</i> |
|           | <u>2,250</u> |                   | <u>2,250</u> |          |

(6)

- (c) Calculation of Mean and Standard Deviation (using the six values given for the previous periods):

| X               | (X- $\bar{X}$ ) | (X- $\bar{X}$ ) <sup>2</sup> |
|-----------------|-----------------|------------------------------|
| 2,460           | (150)           | 22,500                       |
| 2,600           | (10)            | 100                          |
| 2,650           | 40              | 1,600                        |
| 2,520           | (90)            | 8,100                        |
| 2,790           | 180             | 32,400                       |
| 2,620           | 10              | 100                          |
| $\Sigma$ 15,640 |                 | 64,800                       |

$$\bar{X} = \frac{\sum X}{n} = \frac{15,640}{6} = 2,610 \text{ (rounded from 2606.67)}$$

$$S = \sqrt{\frac{\sum (X - \bar{X})^2}{n-1}} = \sqrt{\frac{64,800}{5}} = 113.84$$

2

Setting up the null hypothesis (and assuming that this is a two tail test ie testing that “normal output should be expected to be 2,500kg” per the question requirement. Could also have used a one tail test if testing the Managing Director’s comment re: “significantly higher”).

$$H_0: \mu = 2,500 \text{ kg}$$

$$H_1: \mu \neq 2,500 \text{ kg}$$

1

This is a small sample (less than 30) so have to use “t” statistic/test

$$\text{Calculate t statistic : } \frac{\bar{x} - \mu}{SE}$$

$$SE: \frac{S}{\sqrt{n}} = \frac{113.84}{\sqrt{6}} = 46.74$$

1

$$t: \frac{2,610 - 2,500}{46.47} = 2.37$$

1

Compare to critical value in student’s T distribution table at n-1 degrees of freedom (in this case 6-1 = 5) so value is 2.571

1

Conclusion: At the 95% significance level, there is insufficient evidence to reject the null hypothesis. The value of losses should remain at 2,500kg, but a larger sample should be taken to enable a more precise estimate of the true average losses.

2

(NB. It is possible to use the last 5 output figures for testing – as the quote in the question implies. Alternatively, could use the output in part (a) as well as the six given figures and test using seven outputs).

Some slight differences may arise due to roundings/non roundings of figures but full credit will be given where students demonstrate correct methodology and follow calculations through appropriately.

(8)  
(25)

**Question 3**

(a) Different types of standard cost.

Basic standard - Original benchmark/specification, used for long run comparisons

Ideal standard - Assumes 100% efficiency all the time May also not include all costs/delays which are inevitable/part of production process. Should not be used for cost comparison/control purposes.

Attainable standard – Attainable under normal (efficient) operating conditions.

Current standard – Attainable standard kept updated for price changes.

*1½ marks each for identification and explanation with a maximum of 6*

Public sector use?

Unlikely to be used in purest/strictest form because most public sector is “service” based output with different customers/needs/quality issues etc. Would need to be a repetitive “product” based area – not impossible (eg school meals ?? output from a council run workshop? Etc)

2

(8)

(b) 1,200 Grommits actually produced

***Standard cost of 1***

|               |                       |
|---------------|-----------------------|
| Materials     | 1 kg @ £2 per kg = £2 |
| Labour        |                       |
| Turners       | 2 hrs @ 10 = £20      |
| Finishers     | 1 hr @ 8 = £8         |
| Standard Cost | = <u>£30</u>          |

***Actuals***

|           |                                  |
|-----------|----------------------------------|
| Materials | 1,500 kg @ £2.20 per kg = £3,300 |
| Labour    |                                  |
| Turners   | 2,500 hrs @ 9.5 = £23,750        |
| Finishers | 1,200 hr @ 8.2 = £9,840          |

Materials Cost Variance  
 $(1,200 \times 2) - (1,500 \times 2.2)$   
 $2,400 - 3,300 = \underline{\pounds 900}$  (A)

Materials Price Variance:  
 $1,500 \text{ kg} (2 - 2.20) = \pounds 300$  (A)

Materials Usage Variance:  
 $(1,200 \text{ kg} - 1,500 \text{ kg}) \times 2 = \underline{\pounds 600}$  (A)

*1 mark per variance up to a maximum of 3*

Labour Cost variance

|       |           |                                  |                   |
|-------|-----------|----------------------------------|-------------------|
|       | Turners   | $(1,200 \times 20) - 23,750 =$   | $\pounds 250$ (F) |
|       | Finishers | $(1,200 \times 8) - 9,840 =$     | $\pounds 240$ (A) |
| Rate: | Turners   | $2,500 \text{ hrs} (10 - 9.5) =$ | $1,250$ (F)       |
|       | Finishers | $1,200 \text{ hrs} (8 - 8.2) =$  | $240$ (A)         |
| Eff:  | Turners   | $(2,400 - 2,500) \times 10 =$    | $1,000$ (A)       |
|       | Finishers | $(1,200 - 1,200) \times 8 =$     | <u>Nil</u>        |

*1 mark per variance up to a maximum of 6*

(9)

(c)

(i) Characteristics of a normal distribution

- It is a continuous distribution.
- It is a perfectly symmetrical bell shaped curve.
- The “tails” of the distribution continually approach, but never touch, the horizontal axis.
- The mean, mode and median pass through the peak of the curve and precisely bisect the area under the curve into two equal halves.
- The distribution is fully defined by the mean and standard deviation.

*1 mark per point up to maximum of 4*

(ii) Mean is 1,356 grommits 1

Standard deviation is 400. So Z score is  $\frac{1500 - 1356}{400} = 0.36$  2

From tables there is 35.94 % chance of Grommit production being more than 1,500. 1

(8)

(25)



**Question 4**

- (a) Costs in the question are a mix of variable, semi-variable, semi-fixed and fixed. Costs need to be analysed between fixed and variable. Semi-variable costs should be split into their fixed and variable elements using the High/Low method:

Direct Labour: Fixed at £272,000 up to 2,000 sessions  
 (semi-fixed) Above 2,000 sessions fixed at £297,000

Direct Materials: £36,000 / 1,800 sessions = £20 per session  
 (variable)

Other Direct Expnd:  $(£20,600 - £17,700) / (2,200 - 1,800) = £7.25$  variable  
 (semi-variable)  $£17,700 - (£7.25 \times 1,800) = £4,650$  fixed

Heat, Light & Power:  $(£6,400 - 5,600) / (2,200 - 1,800) = £2$  variable  
 (semi-variable)  $£5,600 - (£2 \times 1,800) = £2,000$  fixed

Overheads: Fixed at £120,000

Cost for 1,996 sessions:

|                                |               | £              |               |
|--------------------------------|---------------|----------------|---------------|
| Direct Labour (fixed)          |               | 272,000        | $\frac{1}{2}$ |
| Direct Materials (£20 x 1,996) |               | 39,920         | 1             |
| Other Direct Expenditure:      |               |                |               |
| Fixed                          | 4,650         |                |               |
| Variable (£7.25 x 1,996)       | <u>14,471</u> | 19,121         | 2             |
| Heat, Light and Power          |               |                |               |
| Fixed                          | 2,000         |                |               |
| Variable (£2 x 1,996)          | <u>3,992</u>  | 5,992          | 2             |
| Overheads (fixed)              |               | <u>120,000</u> | $\frac{1}{2}$ |
|                                |               | <u>457,033</u> | (6)           |

(b) Forecast

| Year        | Quarter | Sessions | 4 Qtr<br>Moving<br>Ave | Centred | Actual<br>/<br>centred(%) | Forecast<br>Period | Forecast |
|-------------|---------|----------|------------------------|---------|---------------------------|--------------------|----------|
| <b>1999</b> | Q1      | 500      |                        |         |                           |                    |          |
|             | Q2      | 450      |                        |         |                           |                    |          |
|             |         |          | 505.5                  |         |                           |                    |          |
|             | Q3      | 517      |                        | 506.125 | 102%                      | 0                  |          |
|             |         |          | 506.75                 |         |                           |                    |          |
|             | Q4      | 555      |                        | 507     | 109%                      | 1                  |          |
|             |         |          | 507.25                 |         |                           |                    |          |
| <b>2000</b> | Q1      | 505      |                        | 508     | 99%                       | 2                  |          |
|             |         |          | 508.75                 |         |                           |                    |          |
|             | Q2      | 452      |                        | 509.375 | 89%                       | 3                  |          |
|             |         |          | 510                    |         |                           |                    |          |
|             | Q3      | 523      |                        | 510.75  | 102%                      | 4                  |          |
|             |         |          | 511.5                  |         |                           |                    |          |
|             | Q4      | 560      |                        | 512.375 | 109%                      | 5                  |          |
|             |         |          | 513.25                 |         |                           |                    |          |
| <b>2001</b> | Q1      | 511      |                        | 513.75  | 99%                       | 6                  |          |
|             |         |          | 514.25                 |         |                           |                    |          |
|             | Q2      | 459      |                        |         |                           | 7                  |          |
|             |         |          |                        |         |                           |                    |          |
|             | Q3      | 527      |                        |         |                           | 8                  |          |
|             |         |          |                        |         |                           |                    |          |
|             | Q4      |          |                        |         |                           | 9                  |          |
|             |         |          |                        |         |                           |                    |          |
| <b>2002</b> | Q1      |          |                        |         |                           | 10                 | 514      |
|             | Q2      |          |                        |         |                           | 11                 | 463      |
|             | Q3      |          |                        |         |                           | 12                 | 532      |
|             | Q4      |          |                        |         |                           | 13                 | 570      |

2

2

2

3

Average quarterly increase in sessions:

From 506.125 sessions in Q3 of 1999 to 513.75 in Q1 of 2001. Increase of 7.625 over 6 quarters = 1.271 sessions per quarter.

2

Average seasonal variation: (%)

|                | <b>Q1</b> | <b>Q2</b> | <b>Q3</b> | <b>Q4</b> |
|----------------|-----------|-----------|-----------|-----------|
| <b>1999</b>    |           |           | 102%      | 109%      |
| <b>1999</b>    | 99%       | 89%       | 102%      | 109%      |
| <b>2000</b>    | 99%       |           |           |           |
|                |           |           |           |           |
| <b>Average</b> | 99%       | 89%       | 102%      | 109%      |

Therefore, forecast using  $y = 506.125 + 1.271x$  and adjust seasonally per above table. 3

(c) Comment

(14)

The projected cost is higher due to the higher projected activity. This has increased all the variable costs and has increased the semi-fixed direct labour costs as the 2,000 session threshold has been exceeded and a new member of staff needs to be employed. 1

The forecast activity figures are different because the Director of Activity based his/her projection on 2001 data, and on only three quarters worth of data. This produced an underestimation of 2002 activity because of: 2

- General trend is for an increase in sessions year on year (so sessions in 2002 are likely to be greater than in 2001). 1
- The seasonal trend shows the highest activity in quarter 4 of each year. The Director of Activities only used quarters 1 to 3 in the activity projection so the average for the year is too low. 1

(5)

(25)

**Question 5**

**Poplar Products Ltd.**

(a) **FIFO**

| Date    | Receipt<br>(kilos) | Price<br>£/kg | Total<br>Value<br>£ | Issues<br>(kilos) | Price<br>£/kg | Value of<br>issues<br>£ | Stock Balances |               |            |
|---------|--------------------|---------------|---------------------|-------------------|---------------|-------------------------|----------------|---------------|------------|
|         |                    |               |                     |                   |               |                         | (kilos)        | Price<br>£/kg | Value<br>£ |
| 2 Sept  | 1,000              | 16.00         | 16,000              |                   |               |                         | 1,000          |               | 16,000     |
| 8 Sept  | 2,000              | 17.00         | 34,000              |                   |               |                         | 3,000          |               | 50,000     |
| 10 Sept |                    |               |                     | 500               | 16.00         | 8,000                   | 2,500          |               | 42,000     |
| 20 Sept |                    |               |                     | 500               | 16.00         | 8,000                   |                |               |            |
|         |                    |               |                     | 200               | 17.00         | 3,400                   | 1,800          |               | 30,600     |
| 21 Sept | 2,500              | 15.00         | 37,500              |                   |               |                         | 4,300          |               | 68,100     |
| 2 Oct   | 1,500              | 18.00         | 27,000              |                   |               |                         | 5,800          |               | 95,100     |
| 19 Oct  |                    |               |                     | 1,800             | 17.00         | 30,600                  |                |               |            |
|         |                    |               |                     | 700               | 15.00         | 10,500                  | 3,300          |               | 54,000     |
| 26 Oct  | 2,000              | 20.00         | 40,000              |                   |               |                         | 5,300          |               | 94,000     |
| 5 Nov   | 1,000              | 22.00         | 22,000              |                   |               |                         | 6,300          |               | 116,000    |
| 12 Nov  |                    |               |                     | 1,800             | 15.00         | 27,000                  |                |               |            |
|         |                    |               |                     | 1,100             | 18.00         | 19,800                  | 3,400          |               | 69,200     |
| 17 Nov  | 1,500              | 24.00         | 36,000              |                   |               |                         | 4,900          |               | 105,200    |
|         |                    |               | <u>212,500</u>      |                   |               | <u>107,300</u>          |                |               | <i>1</i>   |
|         |                    |               | 2                   |                   |               | 2                       |                |               | (5)        |

**Cumulative Weighted Average**

| Date    | Receipt<br>(kilos) | Price<br>£/kg | Total<br>Value<br>£ | Issues<br>(kilos) | Price<br>£/kg | Value of<br>Issues<br>£ | Stock Balances |               |            |
|---------|--------------------|---------------|---------------------|-------------------|---------------|-------------------------|----------------|---------------|------------|
|         |                    |               |                     |                   |               |                         | (kilos)        | Price<br>£/kg | Value<br>£ |
| 2 Sept  | 1,000              | 16.00         | 16,000              |                   |               |                         | 1,000          | 16.000        | 16,000     |
| 8 Sept  | 2,000              | 17.00         | 34,000              |                   |               |                         | 3,000          | 16.667        | 50,000     |
| 10 Sept |                    |               |                     | 500               | 16.667        | 8,334                   | 2,500          | 16.667        | 41,666     |
| 20 Sept |                    |               |                     | 700               | 16.667        | 11,667                  | 1,800          | 16.667        | 30,000     |
| 21 Sept | 2,500              | 15.00         | 37,500              |                   |               |                         | 4,300          | 15.698        | 67,500     |
| 2 Oct   | 1,500              | 18.00         | 27,000              |                   |               |                         | 5,800          | 16.293        | 94,500     |
| 19 Oct  |                    |               |                     | 2,500             | 16.293        | 40,733                  | 3,300          | 16.293        | 53,767     |
| 26 Oct  | 2,000              | 20.00         | 40,000              |                   |               |                         | 5,300          | 17.692        | 93,767     |
| 5 Nov   | 1,000              | 22.00         | 22,000              |                   |               |                         | 6,300          | 18.376        | 115,767    |
| 12 Nov  |                    |               |                     | 2,900             | 18.376        | 53,290                  | 3,400          | 18.376        | 62,477     |
| 17 Nov  | 1,500              | 24.00         | 36,000              |                   |               |                         | 4,900          | 20.097        | 98,477     |
|         |                    |               | <u>212,500</u>      |                   |               | <u>114,024</u>          |                |               | <i>1</i>   |
|         |                    |               | 2                   |                   |               | 2                       |                |               | (5)        |

(10)

- (b) Periodic weighted average method.

Under this method a retrospective average price is calculated at the end of the period. NB with the cumulative average price method it is usual to recalculate the new average price whenever a new receipt of material occurs. Thus with the “periodic” method calculations are easier/less frequent. The method has to be applied retrospectively because not all the information needed to calculate the issue price is available until the end of the period.

*1 mark for explaining “retrospective at end of year”*

*1 mark for saying “cumulative is recalculated when new material received”*

*2 marks for stating “easier and less frequent, and information not available till end of period”*  
(4)

- (c) Rising each month at 2%

$$\text{End of year: } (1.02)^{12} \times \text{£}24 = \text{£}30.44 \text{ (a 26.8\% increase)}$$

Rising each quarter by 3%

$$\text{End of year: } (1.03)^4 \times \text{£}24 = \text{£}27.01 \text{ (a 12.5\% increase)} \quad (5)$$

- (d) In times of rising prices stock bought earlier will have cost less than the latest stock bought in. Using a LIFO approach, the costs/value of the stock recently bought in is used to price issues. This means that materials left in stock will be valued at the lower/older prices. SSAP 9 states that the LIFO approach does not bear a reasonable relationship to actual costs during a period and implies that this method is not suitable for external reporting. It is also necessary to compare stock values with net realisable value to cater for situations where stock may have become obsolete/deteriorated/unsaleable.

*2 marks for explaining that earlier bought stock is cheaper  
and using LIFO stock values can be much lower*

*2 marks for stating that these lower/outdated values  
not acceptable for external reporting per SSAP 9*

*2 marks for mentioning net realisable value and obsolete/unsaleable stock*

(6)

(25)