2007 Fashion & Textile Technology
Home Economics

Intermediate 2 − Technological Projects

Finalised Marking Instructions

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STEP 1 Total mark allocation − 14 marks

1 : 1 Identification of the key points with explanation

The candidate should identify the 'core' key points – these are all the main key words of the Technological Project brief.
The number of 'core' key points which can be identified will depend on the wording of the Technological Project brief.
Candidates should number each key point identified.

Identify the key points – 3 marks

Candidates who record all the 'core' key points will gain **2 marks**.
Candidates who record ½ or more, but not all the 'core' key points will gain **1 mark**.
Candidates who record less than ½ the 'core' key points will gain **0 marks**.
Candidates who provide an additional key point, other than those identified as 'core', will be awarded an additional **1 mark**.

Basic and accurate explanation of key points – 2 marks

Marks are determined by the number of key points which have a basic and accurate explanation.
If all key points have a basic and accurate explanation, candidates will be awarded **2 marks**.
If ½ or more but not all of the key points have a basic and accurate explanation, candidates will be awarded **1 mark**.
If less than ½ the key points have a basic and accurate explanation, candidates will be awarded **0 marks**.

Detailed and accurate explanation – 1 mark

Candidates who provide further accurate detail within the explanations will be awarded an additional mark. Extra detail means one additional point of explanation is provided for any one of the key points.

Brief 1
Develop a textile item suitable for sale by an interior design retailer.

Brief 2
Develop a fashionable textile item which would appeal to teenagers.

Brief 1
Key points
1. develop
2. (a) textile
3. item
4. suitable for sale
5. (by an) interior design
6. retailer.

Brief 2
Key points
1. develop
2. (a) fashionable
3. textile
4. item
5. (which would) appeal
6. (to) teenagers

Example of basic accurate explanation of key points

Develop
- create or devise ideas for a new item

Example of further accurate detail in explanation of key points

Develop
- create or devise ideas for a new item
- make an item which is original or different to what is available at present

Brief 1 – Interior Design
Additional Key Points

7. Facilities/resources available
8. Aesthetic appeal
9. Time available for manufacture
10. Skills/abilities
11. Hygiene/safety
12. Likes/dislikes/appeal to target group
13. Cost
14. Quality/standard required for sale
15. Gender of target group
16. Age range of target group
17. Suitable for mass production
18. Current trends/fashion
19. Allergies

Brief 2 – Teenage Fashion
Additional Key Points

7. Facilities/resources available
8. Aesthetic appeal
9. Time available for manufacture
10. Skills/abilities
11. Hygiene/safety
12. Likes/dislikes/appeal to target group
13. Cost
14. Quality/standard required for sale
15. Gender of target group
16. Age range of target group
17. Suitable for mass production
18. Current trends/fashion
19. Allergies

1 : 2 Draw up appropriate criteria for a specification

Allow for a range of solutions – 1 mark

Candidates whose specification allows for a range of solutions will be awarded **1 mark**.

No marks will be awarded if a range of solutions is not possible.

Contain more detail than the brief – 2 marks

Specification points must be derived from the brief.

When drawing up the criteria for the specification, candidates should not just rewrite the key points – greater explanation is required.

- All specification points contain more detail than the brief **2 marks**
- ½ or more, but not all specification points contain more detail than the brief **1 mark**
- Less than ½ the specification points contain more detail than the brief **0 marks**

Be written in measurable terms – 2 marks

Candidates must indicate how each specification point should be able to be measured by a valid method.

- All specification points are measurable **2 marks**
- ½ or more, but not all specification points are measurable **1 mark**
- Less than ½ the specification points are measurable **0 marks**

Note: Candidates are expected to produce a **minimum of four** specification points.

Total – 5 marks

Step 1.2

Brief 1 – Interior Design			**Brief 2 – Teenage Fashion**		
Item must:		**Measured by:**	**Item must:**		**Measured by:**
1	• be an item made of fabric	Interview textile technologist/Trading Standards Officer Resources/component checklist	1	• be an item made of fabrics	Interview textile technologists/Trading Standards Officer Resources/component checklist
2	• be made using suitable fabrics	User/trial of prototype Interview textile technologist	2	• be made using suitable fabrics	User/ trial of prototype Interview textile technologist
3	• compete with current market range	Interview with textile technologist/ retailer/manufacturer	3	• compete with current market range	Interview with textile technologist/ retailer/manufacturer
4	• be suitable for sale in an interior design retail outlet/ use in the home	Interview/questionnaire to target group/ textile technologist/retailer Sensory testing with target group	4	• be suitable for teenagers	Interview/questionnaire to target group/ textile technologist/retailer Sensory testing with target group
5	• take account of current trends/be fashionable	Interview/questionnaire to target group/ textile technologist/retailer/ manufacturer	5	• take account of current trends /be fashionable	Interview/questionnaire to target group/ textile technologist/retailer/ manufacturer
6	• be different to other products already on market/be original	Check against current product range Interview with retailer/textile technologist	6	• be different to other products already on market/be original	Check against current product range Interview with retailer/textile technologist
7	• be aesthetically pleasing to target group	Interview/questionnaire to target group Interview with fabric technologist/ retailer Sensory testing with target group User/wearer trial of prototype	7	• be aesthetically pleasing to target group	Interview/questionnaire to target group Interview with fabric technologist/ retailer Sensory testing with target group User/wearer trial of prototype
8	• take account of likes/dislikes of target group	Questionnaire/survey to target group Interview with fabric technologist/ retailer Sensory testing with target group	8	• take account of likes/dislikes of target group	Questionnaire/survey to target group Interview with fabric technologist/ retailer Sensory testing with target group
9	• be suitable for target group	Questionnaire/survey to target group Interview with fabric technologist/target group/retailer			

Step 1.2 (continued)

Brief 1 – Interior Design			Brief 2 – Teenage Fashion		
Item must:		**Measured by:**	**Item must:**		**Measured by:**
10	be made using the facilities/ resources available to the candidate	Interview with textile technologist Checklist of facilities/component checklist	10	• be made using the facilities/ resources available to the candidate	Interview with textile technologist Checklist of facilities/component checklist
11	• be made in the time available	Interview with textile technologist Time trial of prototype	11	• be made in the time available	Interview with textile technologist Time trial of prototype
12	• be within the capabilities of the candidate to produce	Interview with textile technologist Skills analysis Quality checklist	12	• be within the capabilities of the candidate to produce	Interview with textile technologist Skills analysis Quality checklist
13	• be prepared under hygienic/safe conditions	Interview with textile technologist/ EHO/Trading Standards Officer	13	• be prepared under hygienic/ safe conditions	Interview with textile technologist/ EHO/Trading Standards Officer
14	• be able to be laundered/be easy to care for	Interview with textile technologist/ retailer User/wearer trials of prototype	14	• be able to be laundered/be easy to care for	Interview with textile technologist/ retailer User/wearer trials of prototype
15	• be safe in use/wear	Interview with textile technologist/ Trading Standards Officer Literary/Internet search & quality checklist	15	• be safe in use/wear	Interview with textile technologist/ Trading Standards Officer Literary/Internet search & quality checklist
16	• be of an acceptable/satisfactory standard for sale	Interview with textile technologist/ retailer/manufacturer Sensory testing with target group Quality checklist	16	• be of an acceptable/ satisfactory standard for sale	Interview with fabric technologist/ retailer/manufacturer Sensory testing with target group Quality checklist
17	• be durable	User/wearer trial of prototype Interview with Trading Standards Officer/textile technologist/retailer	17	• be durable	User/wearer trial of prototype Interview with Trading Standards Officer/textile technologist/retailer
18	• be suitable for mass production	Interview with textile technologist/ manufacturer	18	• be suitable for mass production	Interview with textile technologist/ manufacturer
19	• be cost effective/inexpensive to produce/sell	Costing exercise & interview with textile technologist/retailer/ manufacturer	19	• be cost effective/inexpensive to produce/sell	Costing exercise & interview with textile technologist/retailer/ manufacturer

Step 1.2 (continued)

Brief 1 – Interior Design			**Brief 2 – Teenage Fashion**		
Item must:		**Measured by:**	**Item must:**		**Measured by:**
20	• be within the budget of the target group	Costing exercise & interview with textile technologist/retailer/target group Interview/questionnaire to retailer/ target group	20	• be within the budget of the target group	Costing exercise & interview with textile technologist/retailer/target group Interview/questionnaire to retailer/ target group
21	• be comparable in cost to other similar products	Costing exercise & interview with textile technologist/retailer	21	• be comparable in cost to other similar products	Costing exercise & interview with textile technologist/retailer

Note:

- A fabric technologist could include a person working in textile product development or a Home Economics teacher

NB

- **Specification Points** – **it must be checked that the specification points are different.**
  – **A candidate may use different wording to state the same thing.**
- **Measured by** – **The candidate must specify the term 'expert' if used.**

Method of measuring must be able to check/assess whether the specification point has been met.

1 : 3 Devise an overall plan for investigations

List a range of relevant investigations – 2 marks

Candidates who provide a list of possible investigations which focus clearly on

- the key points of the project brief
- the specification points
- and have a clear aim/purpose

will be awarded **2 marks**.

Candidates who provide a list of investigations which do not focus clearly on the key points and the specification will be awarded **1 mark**.

Obvious omissions from the list of investigations will result in the full mark allocation being unavailable.

Identify techniques to be used – 1 mark

All techniques must be appropriate for the investigations and so allow the candidate the possibility of collecting relevant data/information.

Where techniques are not consistently appropriate, candidates will be penalised.

Total – 3 marks

From the proposed list of investigations drawn up in 1 : 3 above, candidates should form a prioritised list of those investigations which they propose to undertake.

No marks are awarded at this stage but candidates are expected to focus on those investigations most relevant to the needs of the project brief. A number of investigations may be combined by using one technique.

No more than 3, depending on their nature, could be realistically carried out in the time available.

Candidates who intend to use a questionnaire as an investigation must issue 20 in order to gain valid results.

Candidates should complete this work on pages 6 – 7 of the pro forma.

Step 1.3

Brief 1 – Interior Design			**Brief 2 – Teenage Fashion**		
Investigation		**Technique**	**Investigation**		**Technique**
1	• Interior design outlets	Interview with textile technologist/retailer/manufacturer Literary/Internet search Survey of retail outlets	1	• Teenage fashion outlets	Interview with textile technologist/retailer/manufacturer Literary/Internet search Survey of retail outlets
2	• Possible target market	Interview with textile technologist/retailer/manufacturer Literary/Internet search	2		
3	• Current product range	Survey of textile outlets Literary/Internet search Interview with textile technologist /retailer/manufacturer	3	• Current product range	Survey of textile outlets Literary/Internet search Interview with textile technologist/retailer/manufacturer
4	• Range of suitable fabrics/trimmings/fastenings available	Survey of retail outlets Literary/Internet search Interview with textile technologist/ retailer/manufacturer	4	• Range of suitable fabrics/trimmings/fastenings available	Survey of retail outlets Literary/Internet search Interview with textile technologist/ retailer/manufacturer
5	• Range of retail outlets offering suitable fabrics	Survey of retail outlets Literary/Internet search	5	• Range of retail outlets offering suitable fabrics/trimmings/ fastenings	Survey of retail outlets Literary/Internet search
6	• Ideas for potential solutions	Survey of retail outlets Interview with textile technologist/ manufacturer/retailer Literary/Internet search Trial of prototype Sensory testing/survey/interview with target group	6	• Ideas for potential solutions	Survey of retail outlets Interview with textile technologist/ manufacturer/retailer Literary/Internet search Trial of prototype Sensory testing/survey/interview with target group
7	• Choice of fabrics for potential solutions	Survey of retail outlets Interview with textile technologist/ manufacturer/retailer Practical fabric tests Trial of prototype Sensory testing/survey/interview with target group	7	• Choice of fabrics for potential solutions	Survey of retail outlets Interview with textile technologist/ manufacturer/retailer Practical fabric tests Trial of prototype Sensory testing/survey/interview with target group

Step 1.3 (continued)

Brief 1 – Interior Design			Brief 2 – Teenage Fashion		
Investigation		**Technique**	**Investigation**		**Technique**
8	• Suitability for the target group	Interview with textile technologist Interview/questionnaire/sensory evaluation with target group	8	• Suitability for the target group	Interview with textile technologist Interview/questionnaire/sensory evaluation with target group
9	• Aesthetic appeal of potential solutions	Sensory testing/interview/ questionnaire with target group/fabric technologist/retailer	9	• Aesthetic appeal of potential solutions	Sensory testing/interview/ questionnaire with target group/fabric technologist/retailer
10	• Likes and dislikes of target group	Interview/questionnaire to target group Sensory testing with target group	10	• Likes and dislikes of target group	Interview/questionnaire to target group Sensory testing with target group
11	• Current trends/fashion	Interview/questionnaire to target group/textile technologist/retailer Survey of retail outlets Literary/Internet search	11	• Current trends/fashion	Interview/questionnaire to target group/textile technologist/retailer Survey of retail outlets Literary/Internet search
12	• Facilities/resources available to the candidate	Interview with textile technologist Survey with retail outlet Resources/equipment checklist	12	• Facilities/resources available to the candidate	Interview with textile technologist Survey with retail outlet Resources/equipment checklist
13	• Skills necessary for manufacturing the product	Interview with textile technologist Skills audit Literary search of fabric construction books	13	• Skills necessary for manufacturing the product	Interview with textile technologist Skills audit Literary search of fabric construction books
14	• Time available for manufacturing the product	Interview with textile technologist Timed trial of prototype	14	• Time available for manufacturing the product	Interview with textile technologist Timed trial of prototype
15	• Hygiene/safety requirements for production	Interview with EHO/textile technologist/ Trading Standards Officer Literary/internet search	15	• Hygiene/safety requirements for production	Interview with EHO/textile technologist/ Trading Standards Officer Literary/internet search
16	• Quality requirements for potential solutions	Interview with textile technologist/ retailer/manufacturer Trial of prototype Sensory testing with target group	16	• Quality requirements for potential solutions	Interview with textile technologist/ retailer/manufacturer Trial of prototype Sensory testing with target group
17	• Durability of potential solutions	Interview with Trading Standards officer Literary/Internet search Practical fabric tests User/wearer trial	17	• Durability of potential solutions	Interview with Trading Standards officer Literary/Internet search Practical fabric tests User/wearer trial

Step 1.3 (continued)

Brief 1 – Interior Design			**Brief 2 – Teenage Fashion**		
Investigation		**Technique**	**Investigation**		**Technique**
18	• Suitability for mass production	Interview with textile technologist/ retailer/manufacturer	18	• Suitability for mass production	Interview with textile technologist/ retailer/manufacturer
19	• Price range of similar products	Interview with textile technologist/ retailer/manufacturer Survey of retail outlets/Internet search	19	• Price range of similar products	Interview with fabric technologist/ retailer/manufacturer Survey of retail outlets/Internet search
20	• Cost of components/potential solutions	Costing exercise	20	• Cost of components/potential solutions	Costing exercise
21	• Budget of target group/amount target group is prepared to pay	Interview/questionnaire to target group Interview with retailer/manufacturer	21	• Budget of target group/amount target group is prepared to pay	Interview/questionnaire to target group Interview with retailer/manufacturer
22	• Care requirements of materials/ resources used	Interview with textile technologist Literary/Internet search Practical fabric tests Trial of prototype	22	• Care requirements of materials/ resources used	Interview with textile technologist Literary/Internet search Practical fabric tests Trial of prototype
23	• Influencing factors on final product	Interview with textile technologist/ retailer/target group	23	• Influencing factors on final product	Interview with textile technologist/ retailer/target group
24	• Safety in use	Interview with Trading Standards/textile technologist Literary/Internet search	24	• Safety in use/wear	Interview with Trading Standards/textile technologist Literary/Internet search

Note:

- The candidate **must** specify the term 'expert' if used
- A fabric technologist could include a person working in textile product development or a Home Economics teacher

STEP 2 Total mark allocation – 12 marks

2 : 1 Implement the overall plan for investigations – 9 marks

The mark allocation for this area will be awarded holistically and will be based on candidates' performance in a series of investigations.

Candidates will be assessed on the results and conclusions from each investigation – see the marking criteria breakdown listed on the next page.

Teachers/lecturers must ensure candidates present the results and conclusions of each investigation on pages 8 – 10 only.

Candidates using computer software to produce results, eg bar charts or graphs, must ensure that these are presented only on the pages allocated for this work ie pages 8 – 10.

Candidates who present the results and conclusions of each investigation on more than one A4 sheet of paper will be penalised.

Marking criteria

- Holistic approach − marks must be briefly justified.
- Results must be brief, concise and easy to interpret.
- Results must show a link to the aim/purpose of the investigation.
- Results must be derived from the investigations and based on facts and evidence.
- Conclusions must be based on the results obtained.

For all investigations candidates have done as they intended	**2 marks**
For ½ or more investigations candidates have done as they intended	**1 mark**
Less than ½ investigations candidates have done as they intended	**0 marks**
All investigations contain brief, concise and easy to interpret results	**2 marks**
½ or more investigations contain brief, concise and easy to interpret results	**1 mark**
Less than ½ investigations contain brief concise and easy to interpret results	**0 marks**
All results are based on fact/relevant to option statement	**2 marks**
½ or more of results are based on fact/relevant to option statement	**1 mark**
Less than ½ of results are based on fact/relevant to option statement	**0 marks**
All conclusions are based on the results and show progression	**3 marks**
½ or more conclusions are based on the results and show progression	**2 marks**
Less than ½ conclusions are based on the results and show progression	**1 mark**
No valid conclusions are provided	**0 marks**

Total – 9 Marks

2 : 2 Derive a solution from the investigations – 3 marks

Generate one solution – 2 marks

Candidates derive **one solution** which must be

- relevant to the needs of the project brief **– 1 mark**
- based on the results and conclusions reached in the investigations – **1 mark**

Brief description of the solution – 1 mark

The solution should be described so it is able to be **visualised.**

Various methods may be used – written details, sketches, diagrams, labelled diagrams, storyboards − to ensure clarity.

Total – 3 marks

Brief 1: Interior Design
Possible solutions

Any textile item suitable for sale in an interior design retail outlet.

Brief 2: Teenage Fashion
Possible solutions

Any textile fashion item which would appeal to teenagers.

STEP 3 Total mark allocation – 18 marks

3 : 1 Manufacture the chosen solution

Candidates must complete the plan **before** starting to manufacture the solution.

Candidates will be penalised if the plan is written retrospectively.

Identify and requisition resources – 3 marks

Candidates who identify and requisition **all the main** resources will gain **3 marks**.

Candidates who requisition **most** of the main resources will gain **2 marks**.

Candidates who only requisition **some** main resources will gain **1 mark**.

Resources will depend on the chosen solution and may relate to food, textiles, packaging materials.

Identify and requisition equipment – 3 marks

Candidates who identify and requisition **all** main equipment will gain **3 marks**.

Candidates who identify and requisition **most** of the main equipment will gain **2 marks**.

Candidates who identify and requisition **some** of the main equipment will gain **1 mark**.

Equipment will depend on the chosen solution and may relate to equipment used in food or fabric activities.

Draw up a sequence of work – 3 marks

Candidates should show logical thinking when drawing up the sequence of work to manufacture the solution, eg

- activities should be in the correct order to complete the solution
- longer activities started nearer the beginning of the sequence
- dovetailing of activities as appropriate.

Sequence of work is highly effective – **all** activities planned in correct order – **3 marks**.

Sequence of work is effective – **most** activities planned in the correct order – **2 marks**.

Sequence of work is satisfactory – **some** activities planned in the correct order, sufficient to allow the solution to be manufactured – **1 mark**.

Deployment of time (time plan) – 3 marks

Candidates should make good use of time.

- Activities should be appropriately timed.
- Resources and equipment are used to make more effective use of time.

Highly effective time plan – **3 marks**.

Effective time plan – **2 marks**.

Satisfactory time plan – **1 mark**.

Total – 12 marks

After completing the plan for manufacture, candidates should start to manufacture the solution.

Candidates should be encouraged to make notes on page 14 of the proforma as they are carrying out the manufacturing process. Notes may be made on how manufacture is proceeding, any problems encountered and any changes/modifications made to the plan.

This work is not marked, but may prove useful to candidates when completing Step 4 : 1 – Evaluation of the overall plan.

Photographic evidence

Photographic evidence of the candidates' work must be attached to the proforma. If this evidence is not attached, marking must stop, and a note of explanation added to the marking sheet. This project must then be marked for the attention of the PA.

Although no marks are awarded for this area, **evidence must be provided** of the candidates' solution.

When a centre has no photographic evidence attached, but has a note of explanation, continue marking the project but again refer this project to the PA.

Two photographs are required:

- one should provide evidence of the solution **during manufacture**.
- the other should provide evidence of the **completed** solution.

Although the quality of the photographs is not important, they **must** give an indication of the type of work being carried out and completed by the candidate.

3 : 2 Devise a test for the manufactured solution

Present one test – 1 mark

Candidates should present **one** appropriate test – failure to do this will result in no marks being awarded.

Identify technique to be used – 1 mark

Technique must be **appropriate** to the test, allowing candidates to collect relevant data/information.

Total – 2 marks

Briefs 1 & 2

Test	**Technique**
1. Examination by a specified expert eg manufacturer/retailer/textile technologist	Interview/questionnaire Sensory testing
2. Examination by target group	Interview/questionnaire/discussion Sensory testing Observational checklist Wearer/user trial with target group
3. Costing Exercise	Costing exercise confirmed by interview with expert, eg textile technologist

When the candidate uses the term 'expert', it must be qualified eg a fabric technologist**.** This could be included in either the test or the technique.

3 : 3 Implement the test for the manufactured solution

Brief, concise and easy to interpret results – 2 marks

Results should be derived from the test and be based on facts and evidence.

Test results should be presented in a format which is

- brief
- concise
- easy to interpret.

Brief conclusions based on results – 2 marks

Candidates will be marked on their ability to draw meaningful and accurate conclusions from the results of the test.

Conclusions must be

- factually correct
- based on the evidence provided by the results.

Candidates must not offer personal opinions.

Total – 4 marks

STEP 4 Total mark allocation – 6 marks

4 : 1 Evaluate the chosen solution

Evaluation against the specification points – 3 marks

Candidates must rewrite the specification points briefly in the appropriate column.

Candidates must evaluate the solution against **each** specification point. The results of the testing can be used here.

Candidates will be penalised for a lack of accuracy and detail within the explanation.

Page 19 of the pro forma should be used for the evaluation against the specification.

- All specification points are evaluated **3 marks**
- ½ or more, but not all specification points are evaluated **2 marks**
- Less than ½ the specification points are evaluated **1 mark**
- No evaluation is provided **0 marks**

Evaluation of the overall plan – 3 marks

Candidate will evaluate the overall plan (Steps 1 – 3 of the Technological Project).

The following criteria should be used in the evaluation

- time
- resources
- skills and abilities.

Please Note – No marks will be awarded to candidates who do not use these criteria in their evaluation.

The evaluation, which may include adaptations/modifications, **must be based on evidence** which can be found within the candidate's Technological Project pro forma.

Candidates should be encouraged to give reasons for any statements they make in the evaluation.

Candidates may find it helpful to use some of the headings for Steps 1 – 3 in the pro forma for the evaluation.

Pages 20 and 21 of the pro forma should be used for the evaluation of the overall plan.

Total – 6 marks

Technological Project Intermediate 2

Summary Mark Allocation

Total 50 marks available

Step	Mark Breakdown	Allocation
1 . 1	**Identification of the key points with explanation** Identify the key points Identify additional key points Key points plus basic and accurate explanation Key points plus detailed and accurate explanation	 **2 marks** **1 mark** **2 marks** **1 mark** **Total mark allocation 6**
1 . 2	**Draw up appropriate criteria for a specification** Allow for a range of solutions Contain more detail than the brief Be written in measurable terms	 **1 mark** **2 marks** **2 marks** **Total mark allocation 5**
1 . 3	**Devise an overall plan for investigations** List a range of relevant investigations Identify techniques to be used	 **2 marks** **1 mark** **Total mark allocation 3**
Total mark allocation for Step 1 – 14 marks		
2 . 1	**Implement the overall plan for investigations** Holistic approach	 **Total mark allocation 9**
2 . 2	**Derive a solution** From the investigation generate one solution Brief description of the solution	 **2 marks** **1 mark** **Total mark allocation 3**
Total mark allocation for Step 2 – 12 marks		

Step	Mark Breakdown	Allocation
3 . 1	**Manufacture the chosen solution**	
	Requisitions all main resources Requisitions most main resources Requisitions some main resources	**3 marks** **2 marks** **1 mark** **Total mark allocation 3**
	Requisition all main equipment Requisition most main equipment Requisition some main equipment	**3 marks** **2 marks** **1 mark** **Total mark allocation 3**
	Highly effective sequence of work Effective sequence of work Satisfactory sequence of work	**3 marks** **2 marks** **1 mark** **Total mark allocation 3**
	Highly effective deployment of time (time plan) Effective deployment of time (time plan) Satisfactory deployment of time (time plan)	**3 marks** **2 marks** **1 mark** **Total mark allocation 3**
3 . 2	**Devise a test for the manufactured solution**	
	One test presented Technique identified	**1 mark** **1 mark** **Total mark allocation 2**
3 . 3	**Implement the test for the manufactured solution**	
	Brief, concise and easy to interpret results Brief conclusions based on results	**2 marks** **2 marks** **Total mark allocation 4**
Total mark allocation for Step 3 – 18 marks		
4 . 1	**Evaluate the chosen solution**	
	Evaluation of specification points	**3 marks** **Total mark allocation 3**
	Evaluation of overall plan against set criteria: time/resources/ skills and abilities	**3 marks** **Total mark allocation 3**
Total mark allocation for Step 4 – 6 marks		

[END OF MARKING INSTRUCTIONS]