

Scéimeanna Marcála Scrúduithe Ardteistiméireachta, 2001

Innealtóireacht Ardleibhéal

Marking Scheme Leaving Certificate Examination, 2001

Engineering Higher Level

DEPARTMENT OF EDUCATION AND SCIENCE:

ENGINEERING MATERIALS AND TECHNOLOGY

(HIGHER LEVEL - 300 MARKS)

MARKING SCHEME: 2001

Question 1 Section A: 50 marks.

Any Ten @ 5 marks each.

- (a) 3+2
- (c) 2+3
- (d) 2+3
- (e) 2+2+1
- (h) Name: .5 + .5 + 1

Function: 1+1+1

- (i) 3+2
- (k) 3+2.
- (1) 3+2.

All other parts 5 marks each.

Question 1 Section B: 50 marks.

Answer all questions:

- (n) (i) 5
 - (ii) 3 + 2.
- (o) (I) 5. (ii) 5.
- (p) 5+5
- (q) 10.
- (r) 4 + 3 +3

Question Two: 50 marks.

- (a) Redraw: 3 marks.

 Matching graphs: 3 + 3 + 3.

 Outline Ductility:2 + 2 + 2.
- (b) (i) 6+6.
 - (ii) 2+2+2.
- (c) Name: 3 marks. Principles: 8 marks. Applications: 3 marks.

Question Three: 50 marks.

(a) Redraw: 3 marks. Six labels @ 3 marks each.

- (b) (I) 4+4. (ii) 6+6.
- (c) 9 marks.

Question Four: 50 marks.

- (a) Any Two: 8 + 8.
- (b) Redraw: 6 marks.Identify: 3 marks each.Explain: 3 marks each.
- (c) 10 marks.

Question Five: 50 marks.

- (a) Any Two @ 9 marks each.
- (b) Explain: 8 marks.
 Three reasons @ 3 marks each.
- (c) Diagram: 6 marks.
 Features: 3 marks.
 Operation: 4 marks.
 Application: 2 marks.
 OR
- (c) Three terms @ 5 marks each.

Question Six: 50 marks.

- (a) 6 marks each.
- (b) Bonding: 3 + 3. Properties: 3 + 3.

Structures: 3 + 3.

(c) Equipment: 6 marks. Process: 6 marks. Product: 2 marks.

Question Seven: 50 marks.

- (a) Any Three @ 6 marks each.
- (b) Any Two @ 8 + 8 marks.
- (c) Any Four @ 4 marks each.

OR

(c) Any Four @ 4 marks each.

Question Eight: 50 marks.

- (a) Identification: 6 marks. Explanation: 10 marks.
- (b) Any Two @ 9 + 9 marks.
- (c) Identification: 3 marks each. Application: 4 marks.

OR

(c) 16 marks.