A. O. D. D. C. GANDITOGO

Specimen for 2007

International General Certificate of Secondary Education

MARK SCHEME

MAXIMUM MARK: 50

SYLLABUS/COMPONENT: 0445/01, 0446/01

DESIGN AND TECHNOLOGY DESIGN AND COMMUNICATION

Design

2

www.PapaCambridge.com Accept any suitable points - secure, weather, easy to carry, lightweight, а easy access, protects contents etc. b Accept names and drawings of any suitable drawing equipment. (1+1) x 2 С Any suitable ideas. Communication Simple drawings displaying a low standard or limited range of techniques 0-2 Clear drawings displaying a good standard and a range of techniques shading/colour/annotation, etc. 3-4 High quality drawings using a wide range of techniques with clear annotation and detail 5-6 Suitability 0-2 Simplistic designs showing outlines only Rather more detail, sensible solutions that could work 3-4 Accurate solutions, good fitness for purpose, detailed construction 5-6 12 d Evaluation of each of the ideas. At least three evaluations up to 2 marks 0-6 each Selection and justification (1 + 1) 2 8 Quality of drawing Poor line quality, proportions, little detail 1 Good line work, use of colour, proportions, some detail 2-3 High standard throughout with a range of techniques that show clearly all detail 2 **Dimensions** Overall dimensions only - 1 Additional dimensions - 2 0-2 Construction details 3-4 A simplistic approach showing little or no detail of construction to be used 5-6 12 Most constructional detail may be obvious from overall views or with some annotation All constructional detail will be clear with good annotation and additional detail drawings as necessary f 2 Suitable materials stated. 2 4 Appropriate reasons for choice. 3 Appropriate logo g Good communication skills 2 Appropriate attachment method 1 6 50

www.papaCambridge.com 3 Accept any suitable points - weather, firm fixing, little maintenance, а transportable etc. b Accept any suitable methods - battery, clockwork, wind, solar powered etc. Any suitable ideas. Communication Simple drawings displaying a low standard or limited range of techniques 0-2 Clear drawings displaying a good standard and a range of techniques -3-4 shading/colour/annotation, etc. 5-6 High quality drawings using a wide range of techniques with clear annotation and detail Suitability Simplistic designs showing outlines only 0-2Rather more detail, sensible solutions that could work 3-4 Accurate solutions, good fitness for purpose, detailed construction 5-6 12 Evaluation of each of the ideas. At least three evaluations up to 2 marks 0-6 d Selection and justification (1 + 1) 2 8 Quality of drawing Poor line quality, proportions, little detail 1 Good line work, use of colour, proportions, some detail 2-3 High standard throughout with a range of techniques that show clearly all 4 detail 2 **Dimensions** Overall dimensions only - 1 Additional dimensions - 2 0-2 **Construction details** 3-4 A simplistic approach showing little or no detail of construction to be used 5-6 12 Most constructional detail may be obvious from overall views or with some annotation All constructional detail will be clear with good annotation and additional detail drawings as necessary f Suitable materials stated. 2 2 4 Appropriate reasons for choice. Suitable method stated. g Good detailed description of process, including processes (3) and tools (2).

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