

**CERTIFICATES OF COMPETENCY IN THE MERCHANT NAVY –  
MARINE ENGINEER OFFICER**

EXAMINATIONS ADMINISTERED BY THE  
SCOTTISH QUALIFICATIONS AUTHORITY  
ON BEHALF OF THE  
MARITIME AND COASTGUARD AGENCY

**STCW 95 SECOND ENGINEER REG. III/2 (UNLIMITED)**

**042-24 – ENGINEERING DRAWING**

**WEDNESDAY, 15 JULY 2009**

**1300- 1700 hrs**

Examination paper inserts:

Drawing Fig. Q.1

Notes for the guidance of candidates:

Candidates should attach their drawing to the examination workbook front sheet

Materials to be supplied by examination centres:

Drawing Board  
Candidate's examination workbook  
A2 Drawing Paper  
Tee Square

# ENGINEERING DRAWING

Attempt ALL parts of the questions

Marks for each part of the question are shown in brackets

1. Fig Q1 shows details of a LOW LUBRICATING OIL PRESSURE TRIP for a turbine driven cargo pump.
- (a) Draw HALF FULL SIZE and in THIRD ANGLE PROJECTION, using the centreline positions as shown in Fig Q1(a) the following views of the assembled oil pressure trip:
- (i) a sectional elevation in a horizontal plane through the spindle axis when viewed from Arrow X, (44)
- Note: Face A on piston to line up with Corner B on casting.*
- (ii) a plan viewed from Arrow Y. (35)
- (b) Complete the drawing by adding the following:
- (i) a parts list of the individual items, viewed only in Q1(a), clearly identifying each on the view; (12)
  - (ii) a title; (1)
  - (iii) a projection symbol; (1)
  - (iv) a scale; (1)
  - (v) SIX main assembly dimensions. (6)

The drawing should be in accordance with B.S. 308:1993 and hidden detail should be omitted.

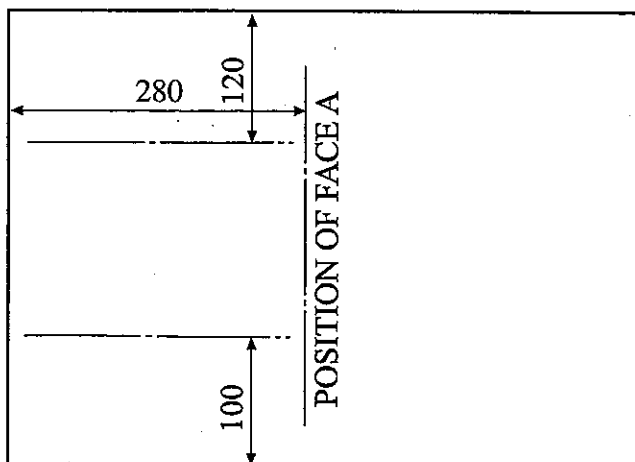


Fig Q1(a)

