

METALWORK

SUBJECT 6045

PAPER 2

INTRODUCTION

The candidature dropped this year. A few centres entered candidates for this component. Some of the few who entered for the component did not sit for the examination. Generally the examination was well attempted with the majority of candidates working on all pieces.

PART 1

Formation of tang and recess was well attempted with many candidates being able to remove waste. However the majority failed to completely remove waste material by filing to size leaving pieces to saw cut/chisel cut finish. Some candidates failed to work to correct measurements on production of the recess and tang.

PART 2

Many candidates failed to score marks on production of the recess. Candidates could not work to required measurements. They could not file the slot to size. Sides of the slot were not parallel and upright and the curve was also not smooth.

PART 3

Was well attempted by most candidates. Only a few could not accurately locate the 8.5mm hole.

PART 4

Most candidates managed to produce the R7 curves but failed to produce a straight taper with the majority of candidates leaving the edges rough without draw T filing.

PART 5

A single spigot was supposed to be worked on during the examination. Some candidates did not attempt threading thereby losing valuable marks.

RIVETING

Many candidates failed to follow instructions on riveting. Part 4 was supposed to be loosely riveted to Part 1. A few candidates managed to produce good quality rivet heads.

SOLDERING

Some candidates attempted soldering but failed to cut off protruding spigot and clean by filing flush thereby losing marks.

FINISH

Finishing of work pieces was poorly done – burrs and tool marks were numerous on all edges that were worked upon in the examination. Candidates were supposed to protect their work pieces from jaw marks during working.

ASSEMBLY

PART 5-2-3

Were supposed to slide when assembled for the pressing jig to function properly. Majority of candidates failed to achieve this.

PART 2 to 1

Part 2 was supposed to be attached to Part 1 by means of a cheese head machine screw. Most candidates failed to align the hole accurately.

PART 4 to 1

Part 4 was riveted on the wrong side of Part 1. This arrangement indicated that such candidates failed to read and interpret the diagram correctly.

PART 5 to 7

Was well attempted by the candidates who managed to thread the spigot on Part 5