

basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

NATIONAL SENIOR CERTIFICATE

GRADE 12

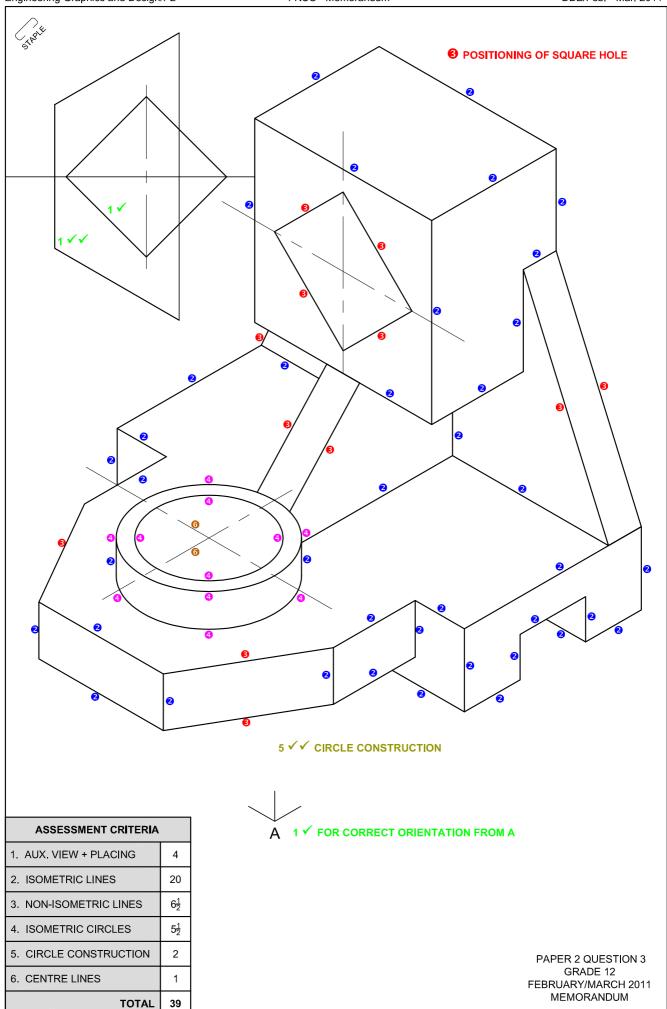
ENGINEERING GRAPHICS AND DESIGN P2

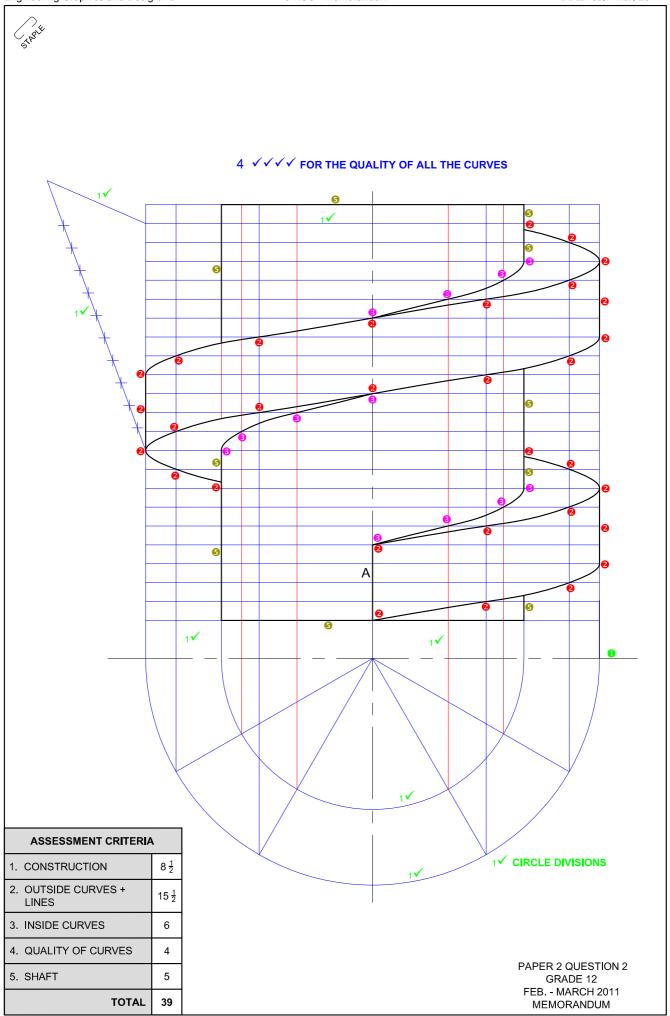
FEBRUARY/MARCH 2011

MEMORANDUM

MARKS: 100

This memorandum consists of 5 pages.







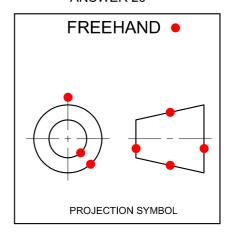
ANSWERS		
1	05 - 11 - 2010	1
2	CRANK_003	1
3	GOVAN MBEKI DRIVE	1
4	STEVEN	1
5	SCALE 1:2	1
6	± 0,15	1
7	REMOVED SECTION	1
8	SECTIONAL FRONT VIEW	1
9	SIX	1
10	10 mm	1
11	C : 198 D : 76	2
12	R 3	1
13	COUNTERBORE	1
14	KEYWAY	1
15	TO SECURE THE HANDLE TO THE SPINDLE	1
16	TO SECURE THE CASTLE NUT TO THE SPINDLE OR TO PREVENT THE CASTLE NUT FROM UNWINDING	1
17	PARTIAL SECTION	1
18	SO THAT THE HANDLE AND SPINDLE WILL TURN TOGETHER	1
19		2
20		4

TOTAL: 25

ANSWER 19



ANSWER 20



PAPER 2 QUESTION 1 GRADE 12 FEBRUARY/MARCH 2011 MEMORANDUM

