

University Examination 2018/2019

VEHICLE TECHNOLOGY	
E: TIME:	
TRUCTIONS:	
er question one and any other two question in section b	
ΓΙΟΝ Α	
STION ONE (30 MARKS)	
Draw an internal tangent to two circles of diameters 60 mm and 40 mm	with centres spaced
at 110mm	(10 marks)
draw the isometric projection of a circular plane of diameter 60mm	(10 marks)
Draw an isometric box of 50mm sides	(10 marks)
ΓΙΟΝ Β	
STION TWO (20 MARKS)	
State any three types of sectioning	(3 marks)
Define the following term	
i. Cutting plane	
	E: TIME: RUCTIONS: er question one and any other two question in section b TION A STION ONE (30 MARKS) Draw an internal tangent to two circles of diameters 60 mm and 40 mm at 110mm draw the isometric projection of a circular plane of diameter 60mm Draw an isometric box of 50mm sides TION B STION TWO (20 MARKS) State any three types of sectioning Define the following term

Ball pein hammer

using free hand sketch the following hand tools

Sectioning

Tin snips

ii.

i.

ii.

c)

(4 marks)

- iii. Cold chisel
- iv. Flat screw driver
- v. Spirit level (10 marks)
- d) Draw the following electronics symbols as per BS 3939
 - i. Variable resistor
 - ii. NPN transistor
 - iii. Loud speaker

(3 marks)

QUESTION THREE (20 MARKS)

Figure 1 shows a pictorial view of a block. Draw full size the following views in first angle projection

- a) Plan in the direction of arrow p
- b) Front elevation in the direction of arrow F
- c) End elevation in the direction of arrow E
- d) Insert any six major dimensions

QUESTION FOUR (20 MARKS)

Figure 2 shows an orthographic view draw its isometric view

QUESTION FIVE (20 MARKS)

Figure 3 shows a pictorial view of a block. Draw full size the following views in third angle projection:

- a) Plan in direction of arrow P
- b) Font elevation in the direction of arrow F
- c) End elevation in direction of arrow E
- d) Insert any Six major dimensions