

STAPLE HERE

FOR OFFICIAL USE

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**X033/701**

NATIONAL GRAPHIC  
 QUALIFICATIONS 9.00 AM – 12.00 NOON  
 2011 COMMUNICATION  
 ADVANCED HIGHER

Fill in these boxes and read what is printed below.

Full name of centre	Town
<input type="text"/>	<input type="text"/>
Forename(s)	Surname
<input type="text"/>	<input type="text"/>
Date of birth	Scottish candidate number
Day Month Year	
<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
	Number of seat
	<input type="text"/>

80 marks are allocated to this paper.

- 1 Answer all questions.
- 2 Read each question carefully before you answer.
- 3 Written answers may be in ink or pencil.
- 4 Drawings and sketches must be in pencil.
- 5 Coloured pencils may be used when sketching.
- 6 Dimensions are given in millimetres or as stated.
- 7 Orthographic drawings are in third angle projection.
- 8 The leaflet for Questions 1, 2 and 3 has been supplied separately. Please ensure that you have this leaflet.

9 At the end of the examination

check that your name is on every sheet;  
 put the sheets in correct numerical order;  
 place this sheet on top of the others;  
 join all sheets together by stapling at the top left-hand corner;  
 before leaving the examination room, you must give these sheets to the Invigilator (if you do not you may lose all the marks for this paper).

Marks Grid

Question	Marks
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
Total Marks	



## ACKNOWLEDGEMENTS

Leaflet for use with Questions 1, 2 and 3—Double page spread is taken from *Blue Magazine* by O2, Issue 11, August 2008. Permission is being sought from O2 UK Ltd.

Leaflet for use with Questions 1, 2 and 3—Pictures in spread from *Blue Magazine* by O2, Issue 11, August 2008, are reproduced by kind permission of Rex Features.

Leaflet for use with Questions 1, 2 and 3—Pictures in spread from *Blue Magazine* by O2, Issue 11, August 2008 are acknowledged to two sources, one of them being Getty. Permission is being sought from Getty Images.

1

Please refer to the “Events at The O<sub>2</sub>” leaflet.

Identify and describe **three Design Principles** that make an impact.

Principle 1 .....

Description:

Principle 2 .....

Description:

Principle 3 .....

Description:

3

Study the “Events at The O<sub>2</sub>” leaflet.

Identify and describe **three Design Elements** that make an impact on this page.

Design Element 1 .....

Description:

Design Element 2 .....

Description:

Design Element 3 .....

Description:

Total (6)

Total (6)

2

Please refer to the “Events at The O<sub>2</sub>” leaflet.

Annotate the leaflet to show:

- Footer
- Bleed
- Headline
- Gutter
- Reverse Text
- Rule

Total (6)

4

Two different types of balance are shown in the graphic items below. With reference to Design Principles:

- (a) name the type of balance;
- (b) describe how the balance is applied in each composition.

1 Name of balance .....  
Description



Command 1 .....  
Description

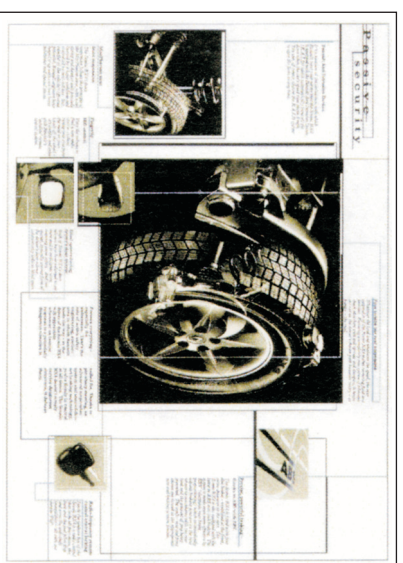
Describe, with the aid of sketches, any **three** of the 3D modelling commands.

- Solid Primitive
- Boolean Intersection
- Ruled Surface
- Revolution

Command 2 .....  
Description

Description

2 Name of balance .....  
Description



Command 3 .....  
Description

Description

Total (4)

Total (6)

**6**

Describe the printing terms listed below.

- Crop marks
- Pantone ©
- CMYK
- Registration

Crop Marks

Pantone ©

CMYK

Registration

Total (4)

**7**

Describe the following Paper/Printing terms.

- Opacity
- Paper Weight

Opacity

Paper Weight

Total (2)

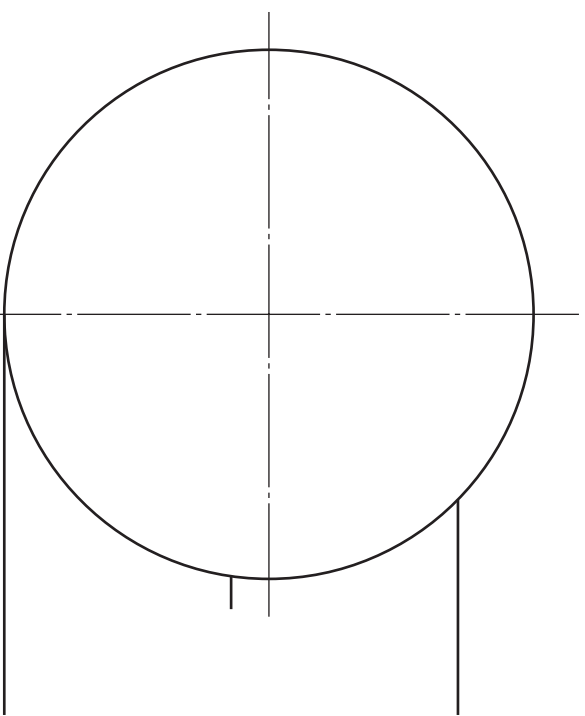
The incomplete plan and incomplete elevation of interpenetrating cylindrical and square pipes are given.

**Draw**, in the position shown:

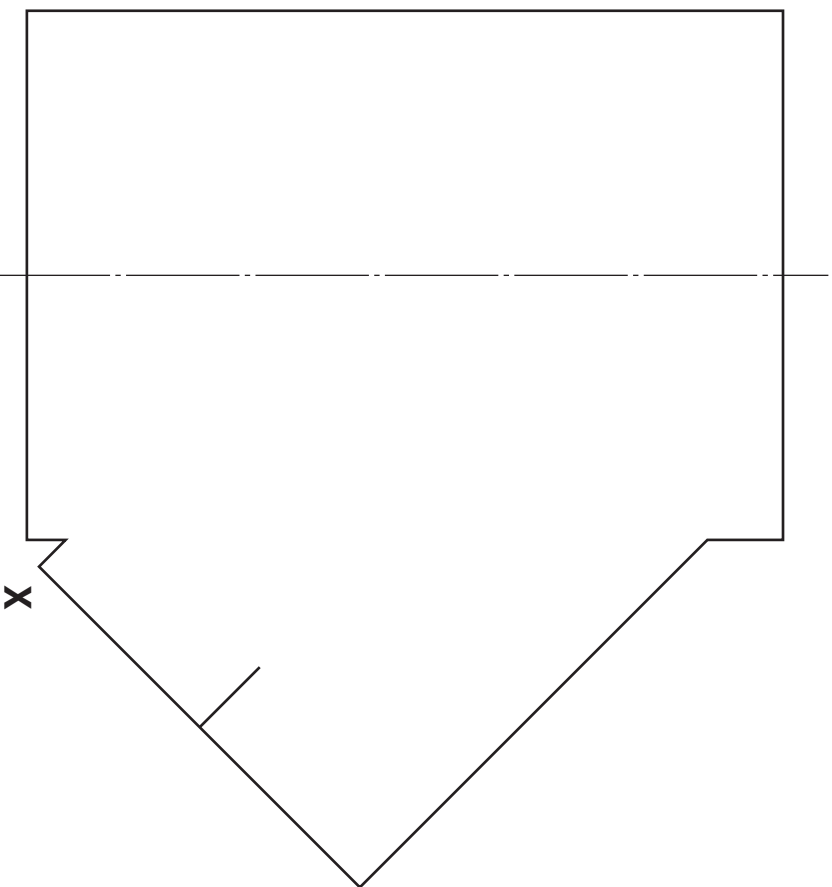
- (a) the complete plan and elevation;
- (b) the end elevation;
- (c) the surface development of the square pipe starting at corner **X**.

**Include all Hidden Detail.**

**(16 marks)**

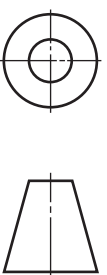


Plan



Elevation

[X033/701]



End Elevation

Development

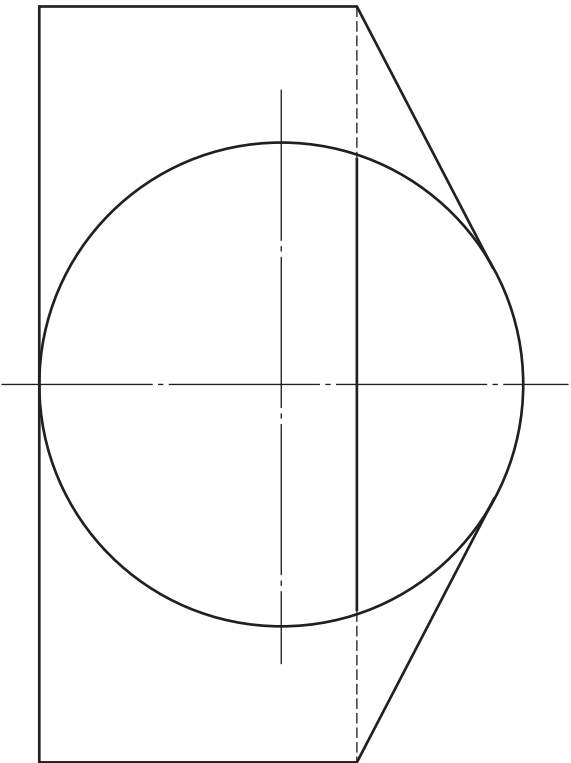


<i>a</i>	
<i>b</i>	
<i>c</i>	
<i>d</i>	
<i>e</i>	
<i>f</i>	
<i>g</i>	
<i>h</i>	
<i>i</i>	
<i>j</i>	
<i>k</i>	
<i>l</i>	
<i>m</i>	
<i>n</i>	

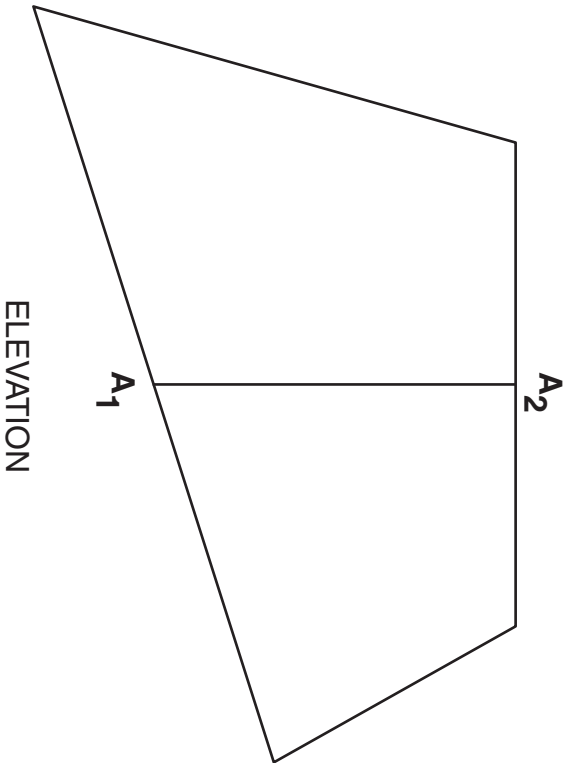
The plan and elevation of a transition piece are given.

Draw, in the position indicated, the surface development cut along seam AA.

(14 marks)

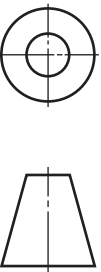


PLAN



ELEVATION

[X033/701]



a	
b	
c	
d	
e	
f	
g	
h	
i	
j	
k	
l	
m	
n	

A<sub>2</sub> \_\_\_\_\_ A<sub>1</sub>

Candidate's Name \_\_\_\_\_

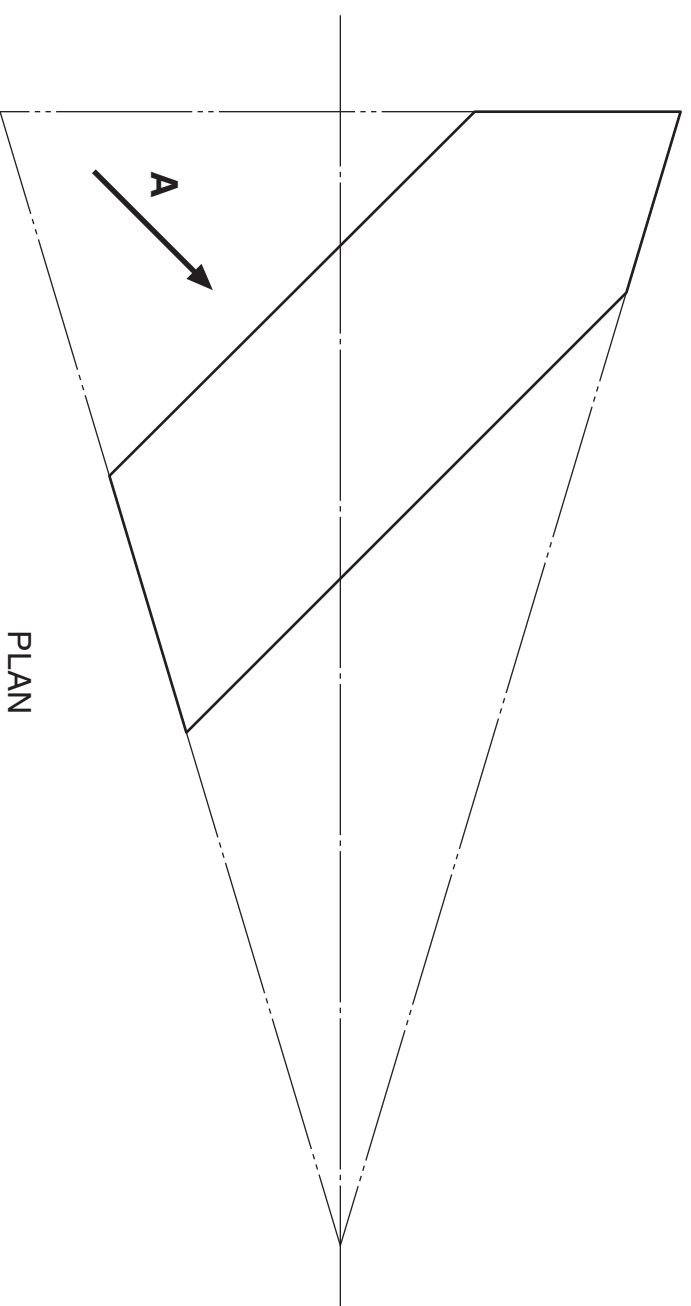
The plan of a solid oblique cone is given.

Draw:

- (a) the complete elevation;
  - (b) the end elevation;
  - (c) the true shape of the surface indicated by arrow A.
- Show all hidden detail.

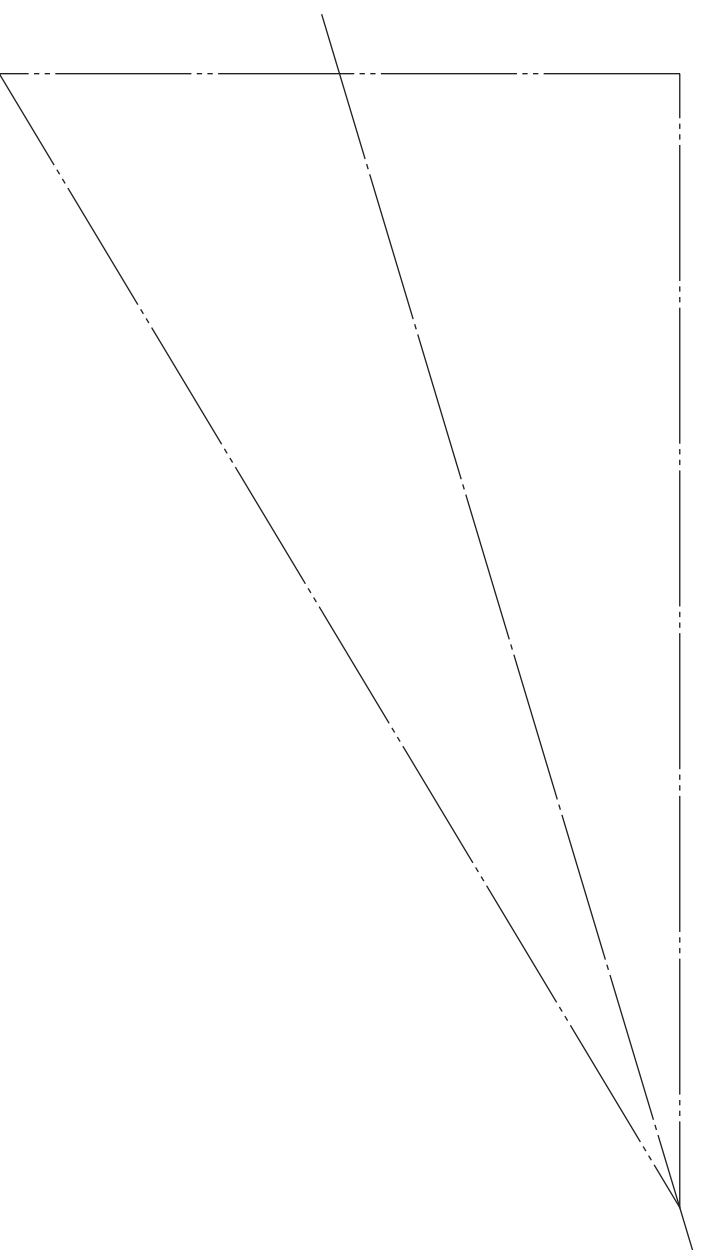


(16 marks)

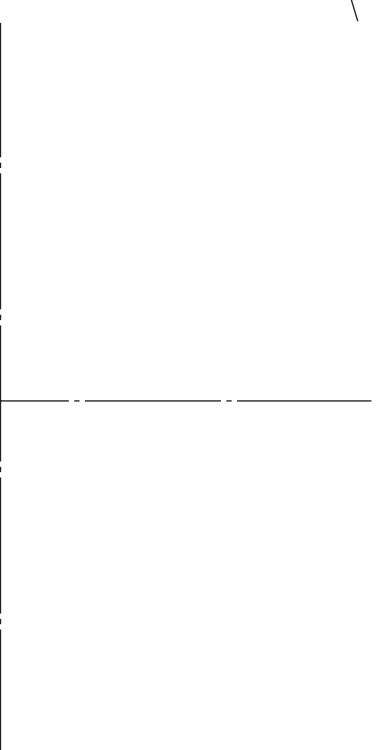


PLAN

TRUE SHAPE



ELEVATION



END ELEVATION

a	
b	
c	
d	
e	
f	
g	
h	
i	
j	
k	
l	
m	
n	



**X033/702**

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NATIONAL  
QUALIFICATIONS 2011

WEDNESDAY, 1 JUNE  
9.00 AM – 12.00 NOON

**GRAPHIC  
COMMUNICATION  
ADVANCED HIGHER**

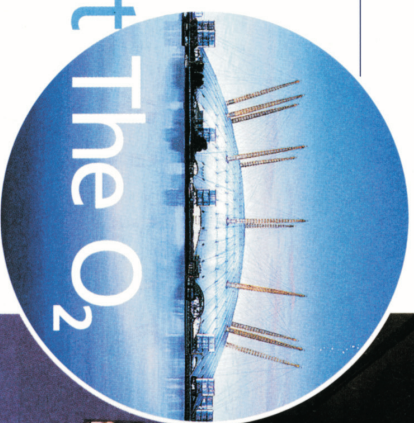
Leaflet for use with  
Questions 1, 2 and 3



what's on...

Your monthly guide to the UK's premier entertainment venue

# Events at The O<sub>2</sub>



## PARTY LIKE A V.I.P. IN THE O<sub>2</sub>'S BLUEROOM!

If you're heading to a show at The O<sub>2</sub>, make a proper night of it by taking advantage of some of the other things we have on offer, like the blueroom bar...

The sumptuous blueroom bar is only open during arena events and is exclusively for the use of a limited number of O<sub>2</sub> customers per night. If you text BLUEROOM to 60202 while you're at The O<sub>2</sub>, you will be one of the lucky 200

people at every show to receive an electronic entry ticket via text. Don't worry if your pals aren't on O<sub>2</sub>, as everyone who bags a blueroom ticket can bring three friends with them! ABSOLUTELY FREE OF CHARGE"

The bar is filled with comfy sofas, chilled-out lighting, a jukebox with thousands of tunes and screens showing an ever-changing array of wallpapers. Got a picture you want to share? Text it to 60202 and we'll screen it on the walls. Plus, every night is different in the blueroom as its theme changes to suit what's happening in the O<sub>2</sub> that night, so you can enjoy a total event experience! (See Bar Themes for details.)

The blueroom bar is just one of the exciting choices for O<sub>2</sub> customers when you visit The O<sub>2</sub>. Make sure that you text BLUEROOM to 60202 and don't miss out!



**BOOK NOW**  
**THE BLUEROOM**  
 The O<sub>2</sub>  
 Peninsula Square,  
 London, SE10 0DX  
 T. 0844 856 0202  
[theo2.co.uk/inside/book-now](http://theo2.co.uk/inside/book-now)

20

PICTURES: GETTY, REX FEATURES

[www.o2.co.uk](http://www.o2.co.uk)

## PRIORITY TICKETS

For a full list of what's on at The O<sub>2</sub>, text **INFO** to 60202. As an O<sub>2</sub> customer you can get priority tickets to The O<sub>2</sub> – visit [o2.co.uk/theo2](http://o2.co.uk/theo2) to register

## BLUEROOM: BAR THEMES

- O2 Goes 80s**  
Over the top cocktails, cheesy tunes and classic arcade games!
- O2 Goes Diva**  
Shake the blueroom with your entourage and try our Diva Cocktails.
- O2 Rock Takeover**  
From rock classics to modern anthems, we'll be playing them all at the Indie Disco.
- O2 Fan Zone**  
Set your pulse racing with a host of great games, such as foosball, golf and darts.
- O2 Goes Pop**  
Get ready to party in the blueroom bar with our poppastic disco!
- O2 The Legends**  
Enjoy pre-event performances of all-time classics from our live jazz trio.
- O2 For The Family**  
Munch candy floss and popcorn and let the best face painters in the business work their magic.
- O2 Soda Sessions**  
Chill out in the blueroom bar to a live acoustic set. Enjoy a glass of wine and a massage from an O<sub>2</sub> angel.

## LAST CHANCE TO BOOK FOR...

**Henry Rollins**  
 12 August  
 From hardcore punk to acting and writing, Rollins has done it all. Catch his spoken word show at indigo<sub>2</sub>.

## THIS MONTH

**Mysteries of Tutankhamun Revealed**  
 19 August  
 Egypt's chief archaeologist Zahi Hawass shares the latest exciting discoveries at this lecture in indigo<sub>2</sub>.



## NEXT MONTH

**GB Basketball**  
 6 September  
 Now is the time to book for an evening of intense basketball action as Great Britain takes on the Czech Republic at The O<sub>2</sub>. An absolute must for fans of this thrill-a-minute sport.



## Stewie Wonder

**11, 12 & 30 September, 1 October**  
 The musical icon that is Stewie Wonder is touring Europe for the first time in nearly ten years. Don't miss this rare chance to see a genuine legend in action, playing all of his greatest hits at The O<sub>2</sub>.

## COMING SOON

**James Blunt**  
 14 October  
 This final night of James Blunt's All The Lost Souls UK tour is guaranteed to be one to remember.

**BOOK NOW FOR**  
 Canadian rockers **Nickelback**, eighties icon **Howard Jones**, and the timeless **Tina Turner**. To book go to [theo2.co.uk/inside/book-now](http://theo2.co.uk/inside/book-now)