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ull name of centre		n ted below.	Town		Number	of seat
Fill in these boxes and i Full name of centre Forename(s) Date of birth Day Montl	Sur	name		e number	Number	of seat

Attempt ALL questions.

All dimensions are in mm.

All technical sketches and drawings use third angle projection.

You may use rulers, compasses or trammels for measuring.

In all questions you may use sketches and annotations to support your answer if you wish.

Write your answers clearly in the spaces provided in this booklet. Additional space for answers is provided at the end of this booklet. If you use this space you must clearly identify the question number you are attempting.

Use blue or black ink.

Before leaving the examination room you must give this booklet to the Invigilator; if you do not, you may lose all the marks for this paper.



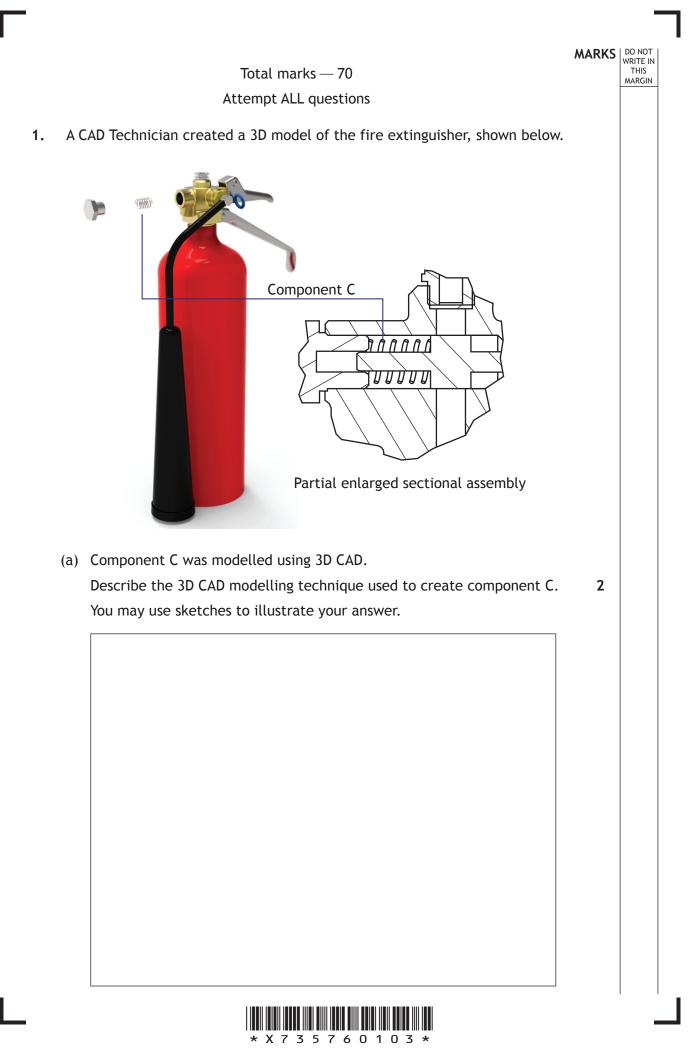


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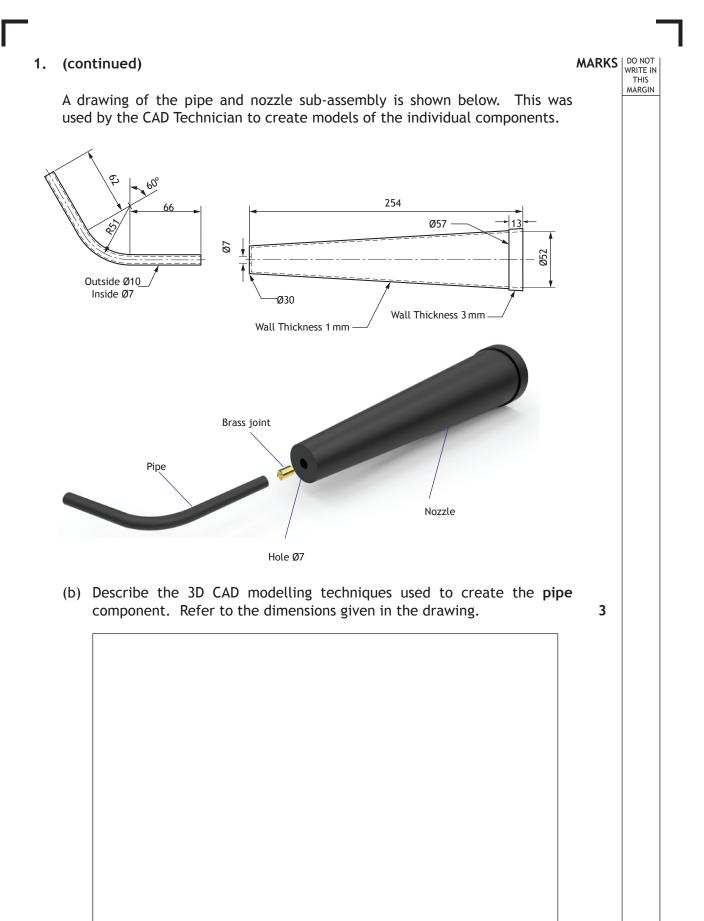
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Page two

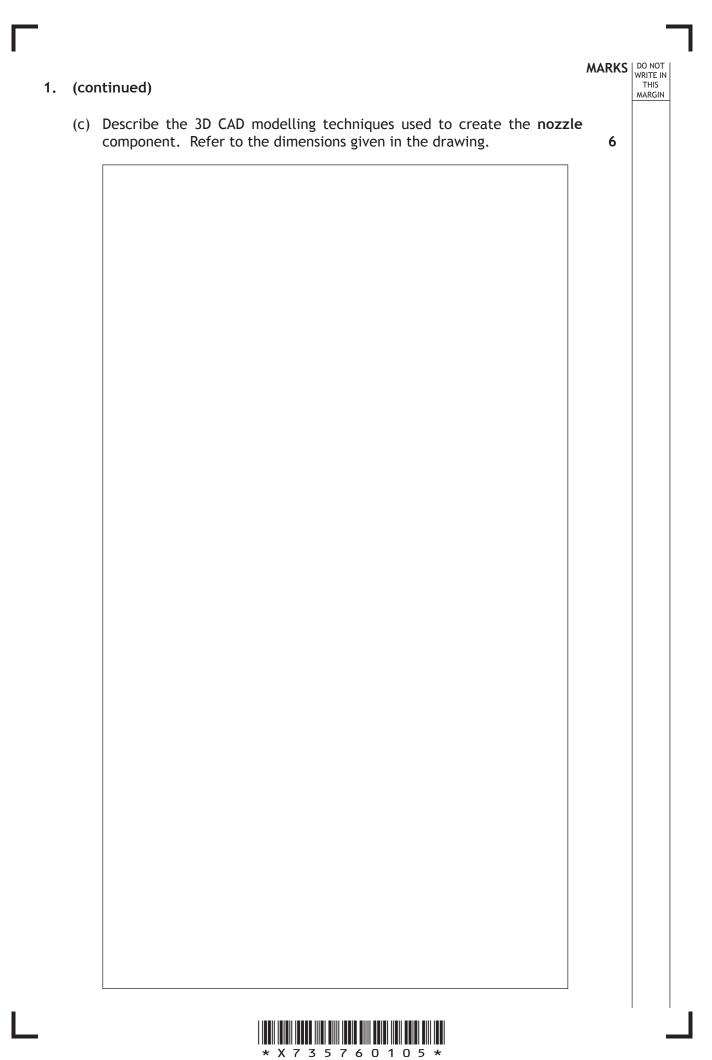


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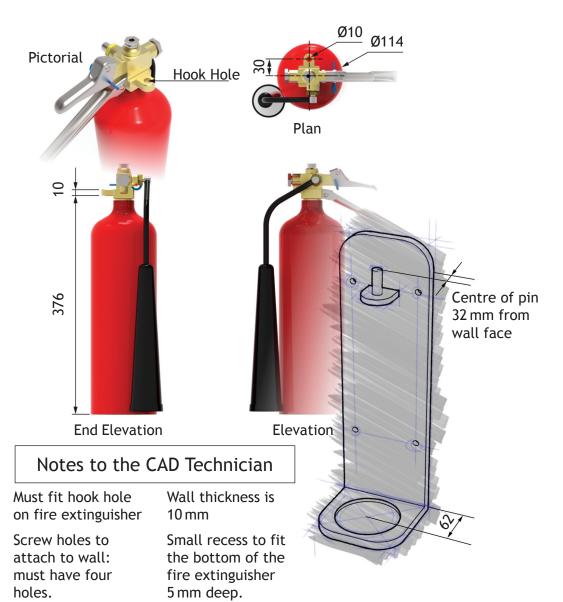
Page four





1. (continued)

The manufacturer of the fire extinguisher would like to provide a simple wall bracket to hold their product.





1. (continued)

(d) Describe the 3D CAD modelling techniques used to create the wall bracket.

Use measurements from the rendered orthographic and the "Notes to the CAD Technician". You may use sketches to explain your answer.



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2. Glasgow Riverside Museum opened in 2011. As with any other building built in this country the architecture firm was required to submit a number of different drawings to the local authority to gain planning permission. During this process the architects also produced a number of other graphics for different purposes.



Figure 1

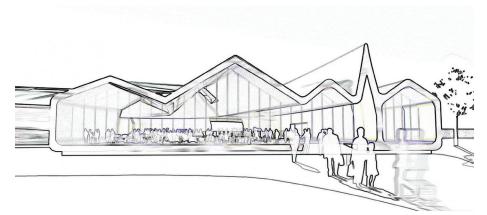


Figure 2

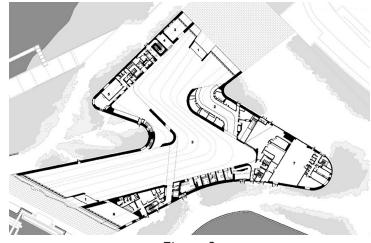
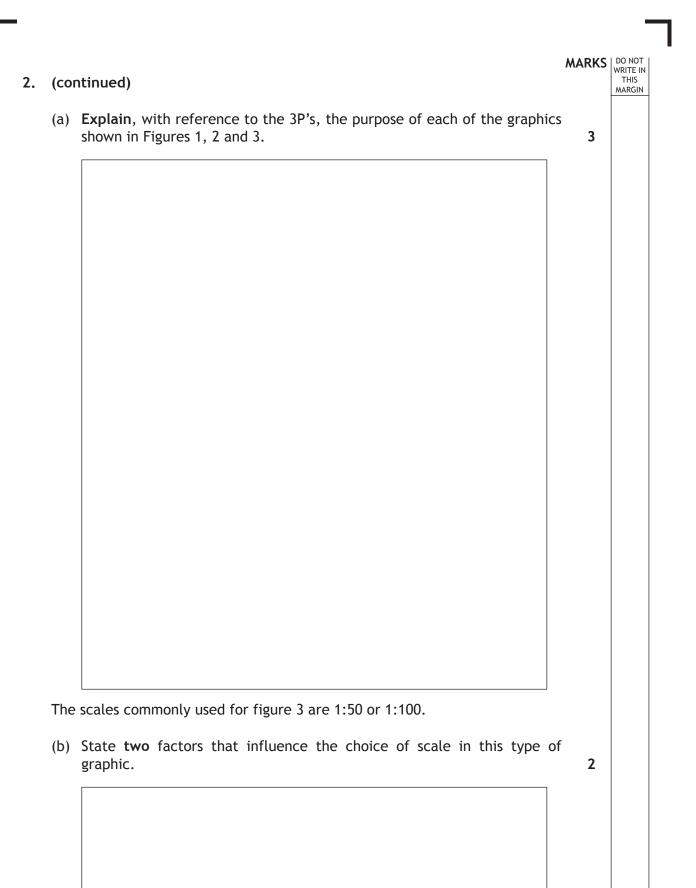


Figure 3



Page eight





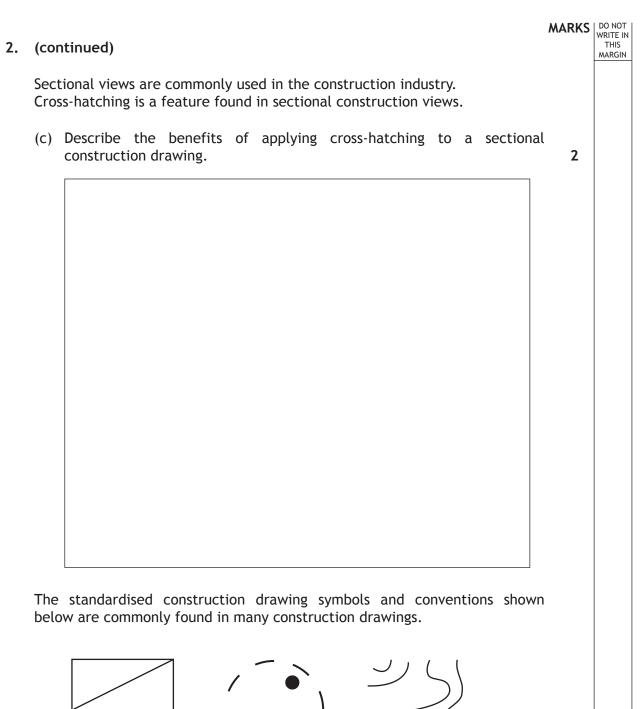


Figure 4

Figure 5





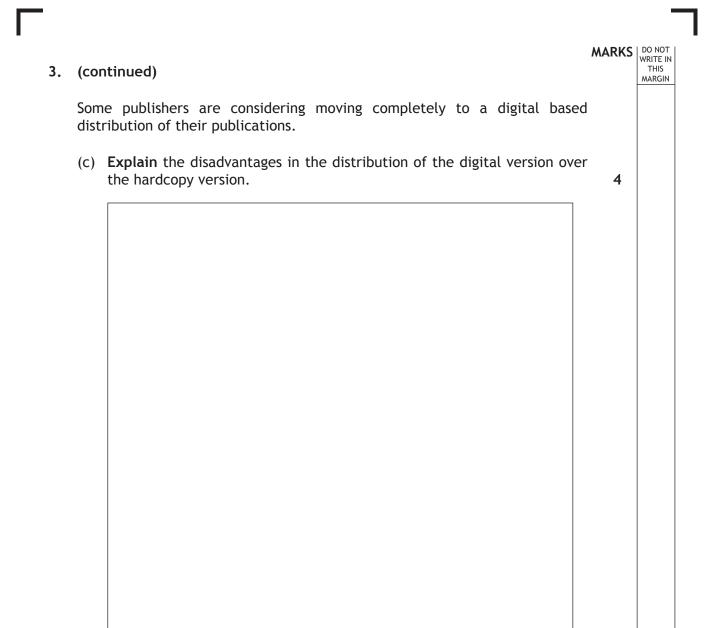
3

(d) **Identify** each of the symbols/conventions.



MARKS DO NOT WRITE IN THIS MARGIN 3. With the rise in popularity of tablets and smartphones, publishers now produce most of their publications in both hardcopy and digital versions. Lorem ipsum dolor Lorem ipsum dolor sit amet consectetu Aľ ilm (a) **Describe** the advantages to the consumer that the digital format offers over the hardcopy. 2 (b) Describe why companies advertising within the publication may prefer the digital format to the hardcopy format. 2







Page twelve

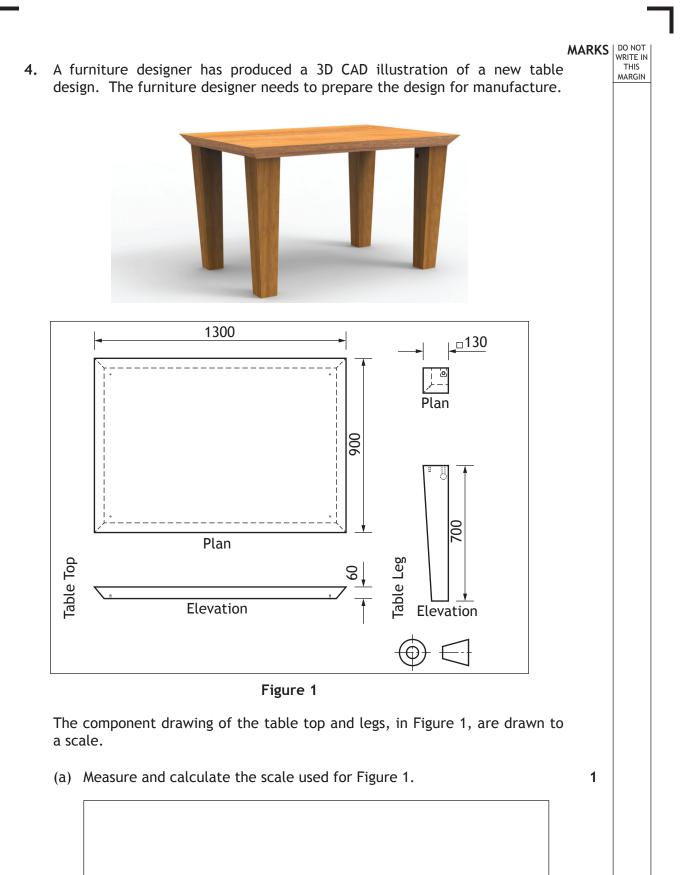
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Page thirteen



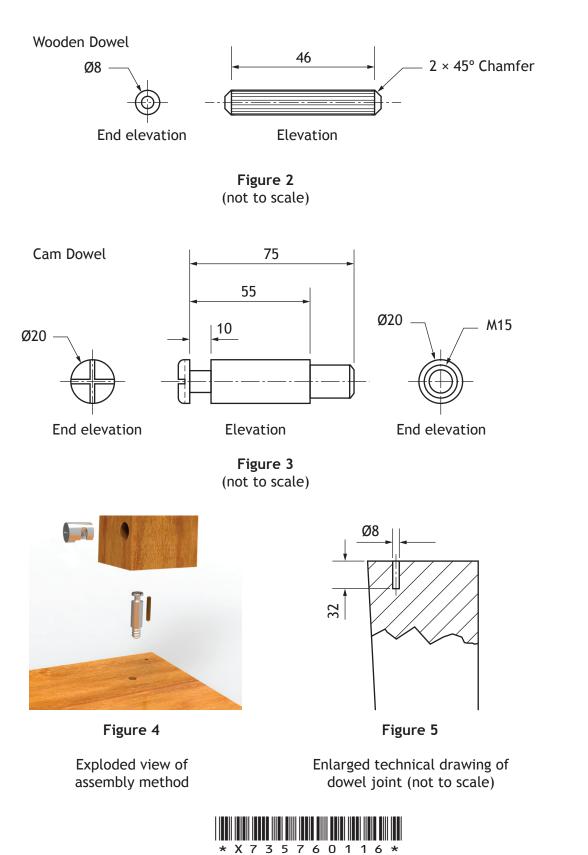


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4.	(continued)	MARKS DO NOT WRITE IN THIS MARGIN
	The manufacturer has recommended that tolerances be applied to components of the table. They have suggested the following tolerances;	
	Length of table leg +1.5mm and -0.5 mm	
	Thickness of table top +2·5 mm and -1·5mm	
	(b) Calculate the maximum and minimum allowable heights of the fully assembled table after applying the tolerances.	2
	Maximum height mm Minimum height mm	
	(c) Apply the dimensional tolerances to the views below using the correct British Standard conventions.	2
	[Turn over	
L	* X 7 3 5 7 6 0 1 1 5 *	

Page fifteen

4. (continued)

Knock-down fittings are commonly used in flat-pack furniture design as they make furniture easy to assemble; they require no specialist skills and are easily mass produced. Shown below are the component drawings for two of the most common knock-down fittings used by the retailer (figures 2 and 3) and extracts from the draft assembly instructions (figures 4 and 5).



Page sixteen

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	(continued)	MAR	RKS DO NO WRITE THIS MARGIN
•	The component drawing for the Cam Dowel is incomplete.		
	(d) Apply the British Standard conventions for the screw threa view in Figure 6 below.		2
	Figure 6		
	In preparation for manufacture of the table top, the furniture de been asked to specify some measurements.	esigner has	
	(e) Calculate how far the wooden dowel protrudes from the tabl fully inserted.	-	1
	(f) Calculate the minimum depth of hole required to be drilled in top to accommodate the Cam Dowel.	n the table	1
	(g) State the type of linear dimensioning used in the elevation v Cam Dowel in Figure 3.		1
	(h) State the type of the sectional view in Figure 5.		1
		[Turn over	

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5. Study the magazine pages, read the judges' comments carefully and answer the following questions.

The double page layouts in the magazines have each won graphic design awards.

Below each layout is a comment made by the judges about the success of the layout.

(a)



Judges' comments

"Be yourself – you can't be anyone else", an interview with Kelly Osbourne, takes a dynamic image and combines it with the interview in a simple but effective way. The connection with the young female target market is strong and the use of typeface is creative".

Describe how the designer has used the **headline** to **connect with a target audience** and to **create visual contrast**.



5. (continued)

(b)



Judges' comments

"The windsurfing layout captures the excitement of the sport while showing a strongly unified layout across both pages. It uses techniques that connect with its young, sporty target audience."

(i) Explain the ways in which the designer has used DTP techniques to create **unity** in the layout.

2

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(ii) Describe how the designer used DTP features to introduce **proportion** in the layout.



5. (continued)



Judges' comments

"The article about T.I. the American rapper and producer, demonstrates clever use of space. The graphic designer took a photograph which oozes attitude and created a clean and modern layout around it. Also, the designer used several clever and subtle tricks to create contrast and visual impact".

The graphic designer uses **DTP features** to incorporate **shape** in the layout.

Explain how the designer's use of shape improves the layout.

3

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		MARKS
5.	A review of music festivals was commissioned by "NEWmusic" magazine. The magazine's readers are in the 18-28 years age range. The musical style covered by the magazine are "indie" and "rock".	
	Use the two layouts in the supplementary sheet for use with Question provided to answer this question.	6
	A graphic designer submitted version 1 of his festival review for consideration but this was not accepted for publication. Version 2 was the developed and was published in "NEWmusic" magazine.	
	The following questions require you to compare how the designer has applied design elements and principles in each of the versions and describe the impact they have on the layouts.	
	Colour is a feature in both layouts	
	(a) Compare the use of colour in the layouts.	2
	Alignment is a consideration whenever a layout is created.	
	(b) Compare the use of alignment in both layouts.	4



(co	ntinued)			
Des	igners choose a style of balance to suit the purpose of the layout.			
(c)	Compare the use of balance in both layouts.	2		
Tex	Texture can be an important visual feature in a layout.			
(d)	Compare the use of texture in both layouts.	2		
Gra	Graphic designers use emphasis for a number of purposes.			
(e)	Compare the use of emphasis in both layouts.	2		
	[END OF QUESTION PAPER]			



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ADDITIONAL SPACE FOR ANSWERS

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Page twenty-three

ADDITIONAL SPACE FOR ANSWERS

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ACKNOWLEDGEMENTS

Question 2 – Three images of the Glasgow Riverside Museum of Transport by Zaha Hadid Architects. Reproduced by kind permission of Zaha Hadid Architects.

Question 5(a) – Double page layout from Cosmopolitan, September 2012. Interview by Elaine Lipworth and Photograph by James White.

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Question 5(b) – Double page layout from Extreme sports magazine is taken from **cargocollective.com/danmackay.** Reproduced by permission of Dan Mackay.

Question 5(c) – Double page layout from Vibe Magazine, May 5 2007. Article by Hillary Crosley and Photograph by Kaseem Black.

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Graphic Communication Supplementary Sheet

THURSDAY, 30 APRIL 1:00 PM - 3:00 PM

Supplementary sheet for use with Question 6







UTunes



The UTunes Festival. 30 days of live music from the biggest bands and artists. This jampacked festival ranged from bands such as Kings of Leon to artists such as Avicii. For anybody who enjoys seeing all of the big bands this is the festival to go to.

Blastin Merry



Blastin' Merry 2013 sure was a festival to relish. Artists such as Example, Chase and Status, the Rolling Stones, Mumford and Sons and many more contributed to the extremely action packed, enjoyable Festival that everyone seems to know and love. The Rolling Stones made the most impact on festival goers and people of all ages enjoyed their music.

R&R on the Farm

From Headliners such as Rihanna, Mumford and Sons to Jake Bugg and Alt-J, R&R on the Farm made it big this year. A year in which 'R&R' celebrated its 20th anniversary as the biggest and perhaps best Scottish music festival.



Christian Bertrand/Shutterstock.com

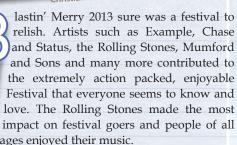
Fans were treated to nice weather too which made a welcome and well deserved change to the weather conditions at recent festivals. It all added up to make Galado a magical place for the entire weekend.



Kak on the rom Headliners such as Rihanna, Mumford and

Sons to Jake Bugg and Alt-J, R&R on the Farm made it big this year. A year in which 'R&R' celebrated its 20th anniversary as the biggest and perhaps best Scottish music festival. Fans were treated to nice weather too which made a welcome and well deserved change to the weather conditions at recent festivals. It all added up to make Galado a magical place for the entire weekend.





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he UTunes Festival. 30 days of live music from the biggest bands and artists. This jam-packed festival ranged from bands such as Kings of Leon to artists such as Avicii. For anybody who enjoys seeing almost all of the big bands this is the festival to go to.

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ACKNOWLEDGEMENTS

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