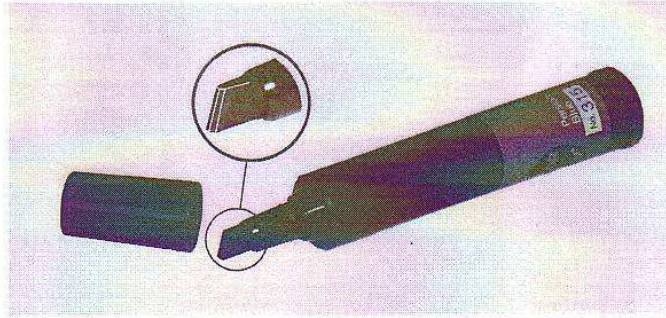


Question 7. This question is about Tools, Equipment and Making. It is worth a total of 20 marks.

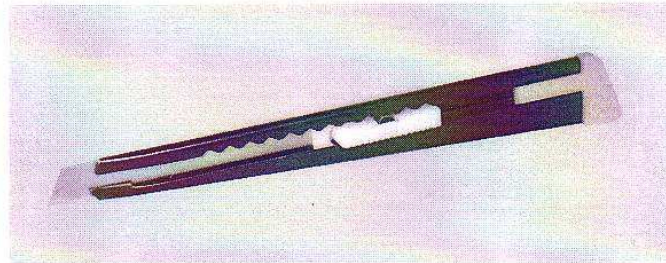
- (a) The photographs show pieces of graphics equipment. Study each photograph and then complete the sentence with the *full name* of each piece of equipment.

(i)



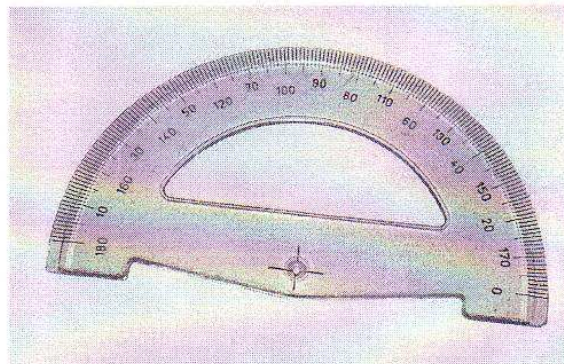
The full name of this piece of equipment is a FELT TIP PEN [2]

(ii)



The full name of this piece of equipment is a SNAP OFF BLADE KNIFE [2]

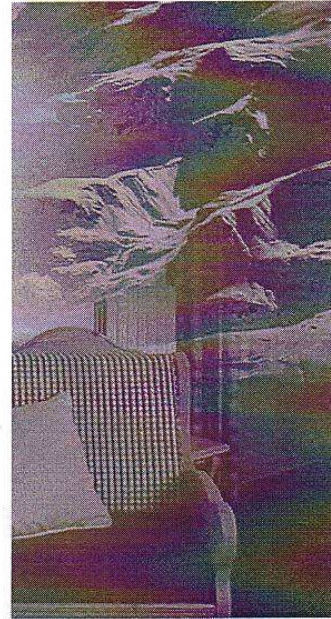
(iii)



The full name of this piece of equipment is a 180 DEGREE [2]
PROTRACTOR.

- (b) In the image shown alongside two photographs have been manipulated so that they fade into each other.

This process is carried out using computer software.



- (i) From the list below, **underline** which type of software package you would use and give a reason for your choice.

A bitmap editing package: A vector drawing package: A page layout package. [1]

Reason: PHOTOGRAHS IN BITMAPS ARE IMAGES..... [2]
THAT CAN BE MODIFIED AND THEIR OPACITY
CONTROLLED.....

- (ii) Select from the list below select the type of tool that would be used to carry out the fading of the images. [1]

Underline your choice.

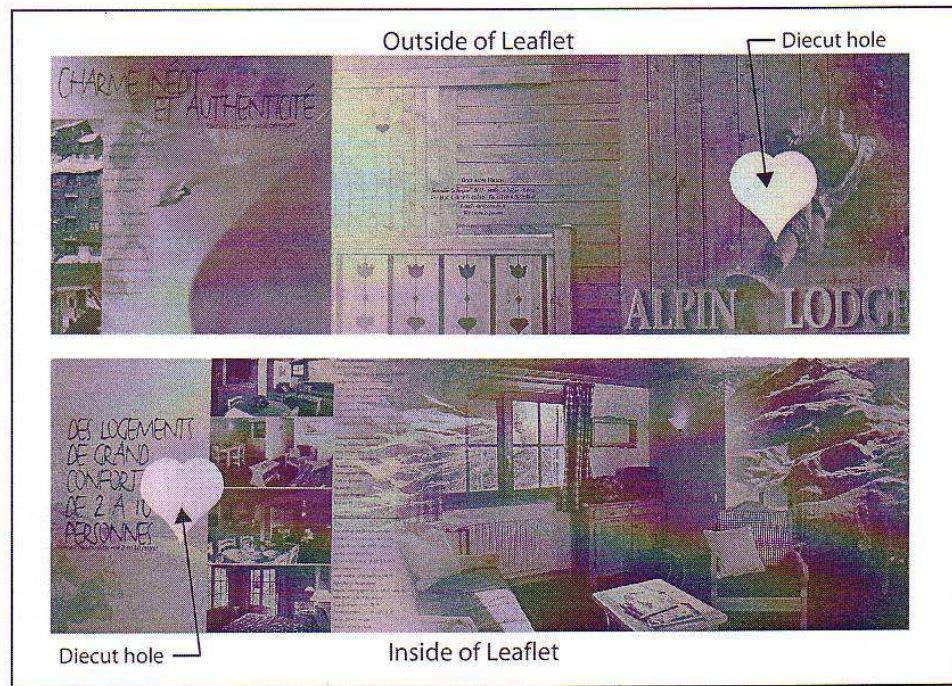
SET UP TOOL IMAGE ADJUSTMENT TOOL WEB TOOL

- (iii) It is decided to send the image by email. State the name of the file format that will give the smallest file when the image is saved. [1]

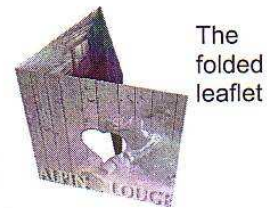
.....
JPEG (JPG).....

- (c) An advertising leaflet for holiday accommodation has been designed. The leaflet is 200mm square when folded.

Photographs of a colour proof of the leaflet are shown below.

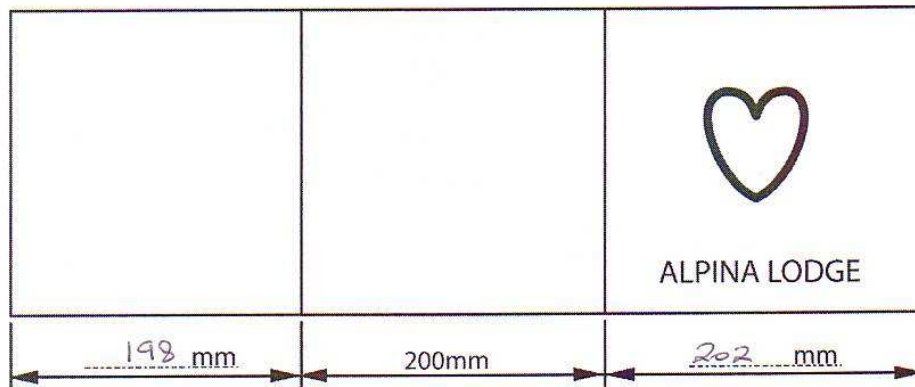


- (i) For the leaflet to fold correctly, each page has to be a different width. Complete the sketch below by inserting the correct dimension for each of the folding pages. The centre dimension has been done for you.



The folded leaflet

[4]



- (ii) Ten hand made copies of a prototype of the leaflet are required. State the name of the manufacturing aid that would be used when making the leaflets.

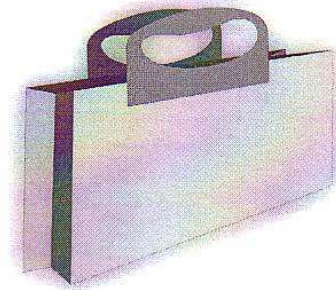
[1]

..... TEMPLATE

- (d) A design for a paper carrier bag for a jewellery shop is shown.

The handle is to be made from thick card and glued onto the paper bag.

CAD and CAM are used to make a batch of 100 of the handles.



- (i) Outline **one** major advantage of using CAD to draw out the handles. [2]

1/ THE QUALITY OF THE DRAWING

2/ THE ACCURACY OF THE CONSTRUCTION

3/ EASY TO MAKE CHANGES

- (ii) Eight of the handles can be CAM cut from one A3 sheet of card. Describe **one** advantages to the manufacturer of doing this. [2]

1/ THE MATERIAL COST WILL BE LESS

2/ IT WILL BE QUICKER TO MAKE A BATCH OF HANDLES

3/ MORE SUSTAINABLE THAN ONE HANDLE FROM EACH SHEET