



Computer Final Exam

Question 1

Consider the following statements. Indicate whether they are true or false, and then correct the false words :(20 Marks)

1- Ramsete program is modular software that collects in one fast and easy to use application all the tools needed to the creation and development of drawings for the textile market.

(True) (1 mark)

2- Ramsete program is based on vector image, while illustrator program based on bitmap (Raster image). (False) (2 marks)

2- Ramsete program is based on Raster image, while illustrator program based on (vector image).

3- Raster images are mathematical calculations from one point to another that form lines and shapes. If you rescale or zoom into a raster graphics, it will always look the same. (False) (2 marks)

3- Vector images are mathematical calculations from one point to another that form lines and shapes. If you rescale or zoom into a vector graphics, it will always look the same.

4- In Ramsete program, we always make a dimension of the repeat with centimeters. (False) (2 marks)

4- In Ramsete program, we always make a dimension of the repeat with millimeters (ml).

5- CAD means computer-aided design. You might also see it called CADD or CAID. (True)(1 mark)

6- CIM means (computer aided manufacture), and it is a system usually used in conjunction with CAD. (False) (2 marks)

6- CIM means (computer integrated manufacturing), CIM overcomes the problems that may occur when it is necessary to move the data from the design and manufacturing process to the next step. In computer integrated-manufacturing, the various programs communicate directly, so that data moves smoothly along the production process in an accurate and timely fashion.

7- (AVA cad cam) is cad and cam software and it works on rotary machine. (False) (2 marks)

7- (AVA cad cam) is cad and cam software and it doesn't work on rotary machine.

8- point carre program provides an innovation solution that automatically separates colors and it more used in digital printing. (True) (1 mark)

9- Ned graphics program is creating color beautiful printed fabrics, also woven and knitted fabrics for apparel and home design. (True) (1 mark)

10- The two main and especial' files extensions (file format) in Ramsete program are PNG and PSD. (False) (2 marks).

10- The two main and especial' files extensions (file format) in Ramsete program are XBF and GPG.

11- Pivot, this function in in Ramsete program allows changing the resolution of the image scaling it if required. Selecting the option "Keep dimensions" (False) (2 marks).

11- Resolution, this function in Ramsete program allows changing the resolution of the image scaling it if required. Selecting the option "Keep dimensions"

12-Overlap, this function allows in Ramsete program to reduce the dimension of the color of the film with the term (color to erode). (False) (2 marks).

12-Skelethon, this function allows in Ramsete program to reduce the dimension of the color of the film with the term (color to erode).

Complete the sentences with the right answers:

1- Substitution (color) in Ramsete program allows the textile designer to **replace one or more colors** in the image

2- CAM definition means **Computer aided manufacturing**

3- In digital printing, most often colors should be **CMYK** or **Lab colors**.

4- The most common program in textile printing color separation are **Ramsete & Vision & fashion studio**

(Mention name of 3 programs in this field).

5- **Add (layers)** in Ramsete program, allows to add one or more layers to the image.

6- The user interface of Ramsete is composed of **a Menu bar**, **a Toolbar**, an area of **visualization** of the design.

7- In Ramsete, the function of **stack films** allows to select a group of images to stack one above the other, so that obtain an image in **layers**.

8- The main features in SoftRIP TX program are: **efficient repeats**- **Color Atlas generator**- **Color neighborhood analyzer**- **color database**. (Mention 4 features)

9- Photoshop is designed for editing and creating **photos**, while illustrator is for creating and editing vector-based work such as **logos**.

Question 3 - (15 marks)

- Explain in details how to make a **(Repeat & color separation)** to one of your composition using menus and functions of (Ramsete program).

- اشرح بالتفصيل كيف يمكنك عمل تكرار و فصل الوان لاحد التكوينات الخاصة بك ، و ذلك لانتاج اقمشة تصلح للانتاج الكمي باستخدام برنامج الرمزيتا ، مع ذكر كل القوائم و الاوامر المستخدمة فى عملية التكرار و الفصل تفصيلاً حتى مرحلة تحديد الافلام الخاصة بالطباعة ، مع ذكر اذا كان التكرار ثلاثى او رباعى .

ملاحظة هامة:-

- يسمح بالشرح باللغة العربية مع كتابة الاوامر و القوائم باللغة الانجليزية ، كما يسمح بالاستعانة بالرسومات التوضيحية خلال الشرح اذا تطلب الامر ذلك .

الاجابة :

١- نقوم بفتح البرنامج و من قائمة file نقوم بعمل load و ذلك لفتح التكوين او التصميم المراد عمل التكرار repeat و الفصل Color separation له .

٢- تظهر الصفحة باللون الرمادى و من الممكن تحويل الصفحة الى اللون الابيض عن طريق double click من قائمة layer نجعلها ١٠٠ % فتكون الصفحة بيضاء و اسهل فى الرسم عليها .

٣- من قائمة properties نختار Image type لختار CMYK فتظهر اربعة Layers وهمية على جانب البرنامج .

٤- من قائمة Layers نختار add و نضيف عدد من ال Layers و ذلك بحسب الوان التصميم او التكوين المراد عمل التكرار الخاص به .

٥- هذا البرنامج يتم تضبيط المقاسات الخاصة به بالملى ML، و يجب اخذ ذلك فى الاعتبار على ان يتم تضبيط المقاسات بالسلم لتحويل الى المليميتر و ذلك بضربها فى 10 للتحويل .

٦- يحتوى البرنامج على العديد من ادوات الرسم التى يجب اعادة الرسم بها للتكوينات او التصميمات مثل Rectangle, Circle , lines, free hand drawing, A MirrorLasso tool. وبعض الادوات الاخرى مثل fill stroke. ثم نضغط save & confirm

٧- نقف على layers الخاصة باللون و نضغط ESC من لوحة المفاتيح لظهور الاشكال المرسومة ، كما نقوم بحذف Layers ال CMYK ب CTRL ,Shift و نضغط Delete .

٨- بعد الانتهاء من هذه الخطوات ، نقوم بعمل Repeat و عن طريق تلك الاداه نحدد مساحة التصميم و التكرار من Virtual Size ، كما يتم تحديد اذا كان هذا التصميم ثلاثى او رباعى ، او ثلاثى من النصف

٩- نستخدم الاداة الوهمية لعمل التكرار ، و هى اداه يتم التعديل عليها ، فى حين ان اداه التكرار المستخدمة للطباعة لا يتم التعديل عليها ، و بعض هذه الخطوات نضغط Confirm.

١٠- لعمل افلام الطباعة للالوان نختار من قائمة (make film) file و ذلك بغرض الحصول على عدد الافلام المحدده للالوان الطباعة سواء كانت ٤ لون او ٥ لون مثلاً.....، و بعد ذلك نحدد مكان تخزين الافلام لعمل save عليها على extension

TIFF

Question 4 - (5 marks)

- (Mention & explain) in maximum (4:5 lines) about one only program from the following programs:

اذكر و اشرح فيما لا يزيد عن اربعة الى خمسة اسطر عن برنامج واحد فقط من البرامج الاتية موضحاً

- اهم ما يميز هذا البرنامج عن باقى البرامج .
- اهم خصائصه و وظائفه و استخداماته .
- المميزات و العيوب .
- يسمح بالاجابة باللغة العربية .

(Photoshop – Illustrator – Vision – Fashion Studio - SoftRIP TX - AVA cad cam - point carre - Ned graphics)

Soft RIP TX

SoftRIP TX Main Features •

Efficient Repeats •

Color Atlas Generator •

Color Neighborhood Analyzer •

Color Database

Ned graphics

AVA cad cam

<p>Prints Creat and color beautiful printed fabrics using the wide range of ned graphic software solution</p>	<p>Quick separation and recoloring in a few easy steps</p>
<p>Design and repeat That needed to create and develop designs of highest quality</p>	
<p>Woven and knits Creating woven and knitted fabrics for apparel and home design like socks and sportswear and so on</p>	<p>Structure simulation enables designers to creat and calculate 3d structures associated with their printing and creative process</p>
<p>Merchandising Selling your designs and creat professional customer presentation ,story bords,line sheets, product collections</p>	<p>Weave Integrated dobby and jacquard design with full colors management</p>

Tuft and carpet
It allows us to complete flooring production with advanced carpet and flooring designs

Digital print
Get the very best out of your digital printer match to conventional prints if required

Point carre

It provides an innovation solution that automatically separates colors and it more used in digital printing

Color separation in few easy steps ,recoloring and printing

3d mapping
Drag the fabrics or designs onto photos and help you to see your designs

It has tools that will help you to creat collection and color ways for print , knit and woven

It enables you to manufacture any types of fabrics from the design to production

Best wishes & Good Luck

Dr. Heba Okasha