



UGANDA BUSINESS AND TECHNICAL EXAMINATIONS BOARD

Business and Humanities Certificate Examinations

MAY-JUNE 2020 SERIES

PROGRAMME

NATIONAL CERTIFICATE IN INFORMATION AND COMMUNICATION
TECHNOLOGY

PAPER NAME

COMPUTER GRAPHICS AND PHOTO EDITING (THEORY AND PRACTICAL)

PAPER CODE

NCIT122

YEAR I, SEMESTER II

3 HOURS

WEDNESDAY, 21ST APRIL, 2021

INSTRUCTIONS TO CANDIDATES

1. This paper consists of **two** sections **A** and **B**.
2. Section **A** is compulsory and carries **20** marks.
3. Section **B** consists of **two** questions. Answer only **one** question from this section.
4. All answers for section **A** should be written in the official answer booklet provided.
5. Create a folder on a desktop in your Name and Registration Number where you will save all your work.
6. Transfer all the work saved in a folder to a new blank Compact Disk (**CD**) at the end of the examination.
7. Internet and Software Help wizards are **not** allowed, only use images provided.
8. **Do not** write on the question paper.
9. **Do not** move out of the examination room with this question paper unless you are told to do so.

SECTION A - (20 MARKS)

Answer all questions in this section

Choose the correct answer.

Question one

- (i) Which one of these formats does not change the image quality when the image is saved? (02 marks)
- A. Tiff
 - B. Jpeg
 - C. Png
 - D. Gif
- (ii) Kevin is editing various images and would like to know the various file formats for images. Which one of these formats is not an image format? (02 marks)
- A. EPS
 - B. PCX
 - C. WPG
 - D. DPI
- (iii) Makesh is undertaking her internship at Nasser road in a printing company, however, she is struggling with the colour mode that supports printing. Which colour mode is used for printing? (02 marks)
- A. RGB
 - B. CMYK
 - C. Gray
 - D. BMP
- (iv) You want to remove a crack from a photograph of a wall by painting over the crack using samples from another part of the wall. Which tool should you choose to perform this task most efficiently? (02 marks)
- A. Use the Healing brush tool
 - B. Use the Spot healing brush tool
 - C. Use the Patch tool
 - D. Use the content-aware move tool

(v) What is the advantage of using the Quick selection tool instead of the Magic wand tool? (02 marks)

- A. You can set a tolerance value
- B. You can easily add or subtract from the selection
- C. You can quickly isolate areas with non-uniform foreground or background colours
- D. You can use the Refine edge feature after creating the selection

(vi) Marion has worked on a filmstrip and would like to have a copy within Photoshop. What is the shortcut key to create a duplicate layer? (02 marks)

- A. Ctrl+J
- B. Ctrl+T
- C. Ctrl+N
- D. Ctrl+D

(vii) Which menu contains the duplicate layer option in Photoshop? (02 marks)

- A. Image
- B. Layer
- C. Filter
- D. Edit

(viii) What's the full version of DPI? (02 marks)

- A. Dots per inch
- B. Dots per ink
- C. Disk point Inch
- D. Display per inch

(i) You are working on a series of different images that are supposed to be placed on a brochure in a circular shape. Which tool is most efficient for creating a circular outline? (02 marks)

- A. Rectangle tool
- B. Ellipse tool
- C. Line tool
- D. None of the above

- (ix) You opened a flattened image, duplicated the background layer, and set the copy to the multiply blending mode. Now the image is too dark. What should you do to repair the image? (02 marks)
- A. Reduce the layer opacity
 - B. Choose image > Adjustments > HDR Toning
 - C. Create an adjustment layer
 - D. Choose Edit > Fade

SECTION B - (80 MARKS)

Answer one question from this section

Question Two

DEAL is a fashion company that deals in selling Indian women traditional wear. The company would like to have a fashion magazine and requires a magazine cover.

Additional information:

1. Import only an image provided on the **CD** by **UBTEB** for this question.
2. The magazine image size is **A4** and orientation **portrait**.

Required;

- (a) Create a folder on the desktop and use it to save your work. (02 marks)
- (b) Open the application environment on your computer to create a new project application. (04 marks)
- (c) Launch the application and customize the workspace;
 - (i) Set size as A4 (03 marks)
 - (ii) Orientation portrait (03 marks)
- (d) Organize individual assets using the best practices for layers;
 - (i) Arrange text on different layers (03 marks)
 - (ii) Arrange the image on different layer (03 marks)
- (e) Edit only **one image** to be used as the magazine cover with the following;
 - (i) Adjust the hue/saturation (03 marks)
 - (ii) Adjust the variance (03 marks)
 - (iii) The image should blend well with the entire design (03 marks)

- (f) Use proper typography and colour to present the different topics on the magazine cover;
- (i) Date 25th march 2019 on the upper right corner (05 marks)
 - (ii) "Volume No.1" on the upper left corner (05 marks)
 - (iii) "How to lose weight in 2 days" (05 marks)
 - (iv) "Make your skin 8 years younger" (05 marks)
 - (v) "My first date" (05 marks)
 - (vi) "How I survived cancer" (05 marks)
- (g) Blend the given image with a proper background to create an attractive design;
- (i) Focus on the fashion image and message as center of interest (03 marks)
 - (ii) Use colours that blend well with the image (03 marks)
 - (iii) Properly alignment of text (03 marks)
 - (iv) Use professional typography (02 marks)
 - (v) Use "DEAL FASHION" as the name of the magazine (03 marks)
 - (vi) Properly align the phrase "DEAL FASHION" behind the fashion image and make it visible (03 marks)
 - (vii) Choose colour for "DEAL FASHION" (02 marks)
- (h) Save the project with two file formats .JPEG and .PSD. (02 marks)
- (i) Print out a copy of your work. (02 marks)

Question Three

ABC a movie company is launching a new movie called "**THE HIDDEN TRUTH**". This company contracted you to design a poster for their company.

Additional information:

1. Import and use only images provided on the **CD** by **UBTEB** for this question.
2. Poster size is 800 x 600.

Required:

- (a) Create a folder on the desktop and use it to save your work. (02 marks)
- (b) Open the application environment on your computer to create a new project;
 - (i) Open the application (03 marks)
 - (ii) Create a new project with size of 800x600 (03 marks)
- (c) Launch the application and customize the workspace. (03 marks)

- (d) Organize individual assets using the best practices for layers;
 - (i) Import the "movie image" (03 marks)
 - (ii) Organizing the image on a new layer (03 marks)
- (e) Edit the provided image and come up with a proper design;
 - (i) Create a background to suite the image (03 marks)
 - (ii) Use masking to blend the image with the background (03 marks)
 - (iii) Use colour for decoration (03 marks)
 - (iv) Use patterns (03 marks)
 - (v) The design should be attractive (03 marks)
 - (vi) Focusing on the message (03 marks)
 - (vii) Emphasize on the movie name with proper typography (03 marks)
 - (viii) Balance the empty space with the filled space (03 marks)
 - (ix) Use warm colours (03 marks)
 - (x) If the foreground colour is dark, the background colour should be light and vice versa (03 marks)
 - (xi) Apply the rules of thirds whereby the fashion image is in the center. (03 marks)
 - (xii) The text should be readable (03 marks)
 - (xiii) Balance the composition (03 marks)
- (f) Include the following information with rules of thirds and typography;
 - (i) "Coming soon" (03 marks)
 - (ii) The name of the movie (03 marks)
- (g) Create a company logo with the following principles;
 - (i) Create a logo (04 marks)
 - (ii) It should be brief and precise (03 marks)
 - (iii) Should be straight to the point (03 marks)
 - (iv) Easy to remember (02 marks)
 - (v) Difficult to manipulate (02 marks)
- (h) Save with two file formats .JPEG and .PSD. (02 marks)
- (i) Print out a copy of your work. (02 marks)

END