



UGANDA BUSINESS AND TECHNICAL EXAMINATIONS BOARD

Business and Humanities Certificate Examinations

NOV-DEC 2021 SERIES

PROGRAMME

NATIONAL CERTIFICATE IN INFORMATION AND COMMUNICATION
TECHNOLOGY

PAPER NAME

COMPUTER GRAPHICS AND PHOTO EDITING
(THEORY AND PRACTICAL)

PAPER CODE

NCIT122

YEAR I, SEMSTER II

2½ HOURS

FRIDAY, 28TH JANUARY, 2022

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 in your name and registration number on the desktop where you shall save your work.
6. Transfer all your work from the folder to a new blank compact disk (CD) labelled with your name and registration number.
7. Internet and software help wizards are **not** allowed. Only use images provided.
8. **Do not** write anywhere on the question paper.
9. All answers and rough work should be written in the official answer booklet provided.
10. Read other instructions on the answer booklet.

SECTION A - (20 MARKS)

Answer all questions in this section

Choose the correct answer.

Question One

- (i) How can a graphics designer turn a path into a selection? (02 marks)
- A. Ctrl, Enter
 - B. Shift, Enter
 - C. Alt, Enter
 - D. Enter
- (ii) Joel wanted to get desaturation option in Adobe Photoshop. Advise him on what to do. (02 marks)
- A. File, Menu
 - B. Layer Menu
 - C. Image > adjustment
 - D. A and B
- (iii) An internee working for Digit Graphics Center wanted to print out his designs. Which colour mode should he use for printing his work? (02 marks)
- A. RGB
 - B. CMYK
 - C. Gray Scale
 - D. All the above
- (iv) A student of graphics wanted to know when Pixilation occurs in photo editing. Identify when it happens. (02 marks)
- A. You have a bigger display area
 - B. When you resize a low resolution photo
 - C. When you resize a high resolution photo
 - D. A and B
- (v) Hakim wanted to create a new file in Adobe Photoshop. Which shortcut can he use to achieve the desired results? (02 marks)
- A. SHIFT, N
 - B. CTRL, N

C. CTRL, SHIFT, N

D. CTRL, SHIFT

(vi) What do we call the small tiny dots that are seen on enlarging a photograph?

(02 marks)

A. Resolution

B. Polk dots

C. Bitmaps

D. Pixels

(vii) Describe the default colour in Photoshop fore ground and background to a new user of Adobe Photoshop.

(02 marks)

A. White and Black

B. White and Transparent

C. Black and White

D. Black and Transparent

(viii) Which file extension is for Photoshop?

(02 marks)

A. TIFF

B. PSD

C. TXT

D. BMP

(ix) What role does the red eye remover play in Photoshop?

(02 marks)

A. Changes the lens colours

B. Removes the red eye markings

C. Adds colour to the eyes

D. None of the above

(x) Adobe Photoshop is an application that does one of the following to the image.

(02 marks)

A. Download

B. Delete

C. Edit

D. Share

SECTION B - (80 MARKS)

Answer only one question from this section

Question Two

NIXON FOODS is a restaurant located in Kampala. They various types of food ranging from Indian food, African food, and Fast foods .They have contacted you to help then design a tear drop banner. (Choose three matching colours of your own choice to be used)

Additional information:

1. *Import and use only images provided on the CD by UBTEB for this question.*
2. *The work space to use is A4 and orientation land scape.*
3. *Technically assume any un-provided dimensions.*

Required:

- (a) Open the Photoshop application environment to create a new project.
 - (i) Open application. (02 marks)
 - (ii) Create a new project. (02 marks)
- (b) Launch the application and customize the workspace.
 - (i) Launch the applications and set size as A4. (02 marks)
 - (ii) Customize workspace as portrait (02 marks)
- (c) Design a logo for **NIXON** with the following;
 - (i) Enhance appearance with the help of chosen colours (03 marks)
 - (ii) Use shapes and typography (03 marks)
 - (iii) Make the logo precise (03 marks)
 - (iv) Be innovative (03 marks)
 - (v) Apply creative effects (03 marks)
 - (vi) Save logo in a PNG format (02 marks)
- (d) Design a tear drop banner with the following;
 - (i) Customize the size to height 420 cm by width 110 cm (04 marks)
 - (ii) Import three image that represent the meals prepared (03 marks)
 - (iii) Organize all the three types of food on different layers (03 marks)
 - (iv) Design with shapes (03 marks)
 - (v) Design with patterns (03 marks)

- (vi) Use rules of thirds (03 marks)
- (vii) Design with lines (03 marks)
- (viii) Organize the three images to their corresponding food types. (04 marks)
- (ix) Resize images with proper designs (04 marks)
- (x) Add background colours (04 marks)
- (xi) Enhance with professional typography for the courses (04 marks)
- (e) Import a logo saved in 2(c)(vi) and organize it on top and align center. (05 marks)
- (f) Include a slogan "**Healthy Food for a healthy livelihood**".
 - (i) Enhance with professional typography as a center of interest. (03 marks)
 - (ii) Use attractive colours. (03 marks)
 - (iii) Align on the bottom and center aligned. (02 marks)
- (g) Save the work with two file formats of .PSD and .PDF. (02 marks)
- (h) Print a copy of the work. (02 marks)

Question Three

Adiba Sports Association is training youngsters on the new tactics to use in football matches for a period of one month. The Association's motto is "**uplifting talent**" They are targeting ages between 7-13 years of age. On completion of the training, every participant is required to get a certificate of participation. The outstanding participants will also get a special certificate different from that of participation. Using the information provided, design certificates for the different categorizes as highlighted in the question.

Additional information:

1. The work space to use is A4 and orientation land scape.
2. Technically assume any un-provided dimensions

Required

- (a) Open the Photoshop application environment to create a new project.
 - (i) Open application. (02 marks)
 - (ii) Create a new project. (03 marks)

- (b) Design a logo for this Adiba Sports Association with the following principles;
- (i) Choose three colours to design a company logo (03 marks)
 - (ii) Use shapes (03 marks)
 - (iii) Use typography (03 marks)
 - (iv) Be creative with effects (03 marks)
 - (v) Add a slogan as **"Team work makes the Dream work"** (03 marks)
 - (vi) Save logo in a PNG format (02 marks)
- (c) Launch Photoshop application and customize the work space as follows;
- (i) Set the paper size as A4 (04 marks)
 - (ii) Setting the orientation of the certificate of participation as landscape (04 marks)
 - (iii) Add the logo of Adiba Sports Association on the certificate (04 marks)
 - (iv) Create a solid background with the help of shapes and lines (04 marks)
 - (v) Choose three colours for Adiba Sports Association in your design (04 marks)
 - (vi) Add the signatories on the left and right hand (04 marks)
 - (vii) Enhance the general outlook of the certificate of participation (04 marks)
- (d) Design another certificate for the outstanding participants in a different colour with the following;
- (i) Set the paper size as A4 and orientation land scape (05 marks)
 - (ii) Give the certificate a purple background (05 marks)
 - (iii) Add the details that show the special attribute of the receiver as outstanding (04 marks)
 - (iv) Add the logo of Adiba Sports Association on the certificate (04 marks)
 - (v) Add the name of the receiver in a unique font and colour (04 marks)
 - (vi) General outlook of the certificate of outstanding participants (04 marks)
- (e) Save the projects with two file formats .PDF and .JPEG. (02 marks)
- (f) Print the work (02 marks)

END