



NCFE Level 1/2 Technical Award in Creative Design and Production (603/7003/8)

Examined Assessment

Paper number: **Sample Assessment**

Date: **Sample 2022**

9.30am – 11.00 am

Time allowed: 1 hour 30 minutes

Learner instructions

- Use black or blue ink.
- Answer **all** questions.
- Read each question carefully.
- You **must** write your responses in the spaces provided.
- You may do rough work in this answer book. Cross through any work you do not wish to be marked.
- All of the work you submit **must** be your own.

Learner information

- The marks available for each question are shown in brackets.
- The maximum mark for this paper is 80.
- You may use a calculator.

Please complete the details below clearly and in BLOCK CAPITALS.

Learner name _____

Centre name _____

Learner number

Centre number

To be completed by the examiner			
Question	Mark	Question	Mark
1		14	
2		15a)	
3		15b)	
4		16a)	
5		16b)	
6		17	
7a)		18	
7b)		19	
8a)		20	
8b)		21	
9a)		22	
9b)		23	
10		24	
11		25	
12			
13			
			TOTAL MARK

Do not turn over until the invigilator tells you to do so.

Section A

This section has a possible 30 marks.

You should spend about 34 minutes on this section.

Answer **all** questions in the spaces provided.

- 1 Which **one** of the following design principles is best used to describe the relative size and scale of elements within a design? [1 mark]

- A Balance
- B Emphasis
- C Movement
- D Proportion

Answer _____

- 2 Which **one** of the following statements is correct? [1 mark]

- A Elasticity is a material's ability to bend or shape into a new fixed state
- B Malleability is a material's ability to return to its original size and shape
- C Strength is a material's ability to withstand stresses and strains
- D Weight is a material's ability to withstand use over a period of time

Answer _____

- 3 Which **one** of the following is an aesthetic factor of a material? [1 mark]

- A Colour
- B Cost
- C Density
- D Ductility

Answer _____

Item 1

The image below shows an example of a chair which reflects features of the Bauhaus design movement.



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- 4 Explain **two** key features of the Bauhaus design movement which can be seen in the chair shown in **item 1**.

[4 marks]

5 Tanveer is considering buying computer aided design (CAD) software for his company instead of hand drawing all of his designs.

Explain **one** advantage and **one** disadvantage of using CAD for Tanveer.

[4 marks]

Advantage

Disadvantage

6 You work as a designer for a company who produce lighting.

You have been asked to research customer views of a new range of desk lamps.

Compare **two** research techniques you could use to help the lighting company. Justify your response.

[4 marks]

7 Lucy is making a bag for children that can be used outdoors in all types of weather conditions. She is using a textile material for the bag.

She cannot decide if she needs to apply a surface treatment or finishing technique to the material before she constructs the bag.

7 (a) Explain how **one** surface treatment and **one** finishing technique could be applied to the bag.

[2 marks]

(b) Compare which would be the most effective option for Lucy. Justify your response.

[2 marks]

8 Mia has been given a low budget and asked to design a bag that can be worn outside and at night.

8 (a) Identify **two** materials that Mia could use.

[2 marks]

Material 1

Material 2

8 (b) Using **one** of your materials from **8a)**, explain **three** reasons why the material is appropriate for Mia to use.

[3 marks]

Item 2

The image below shows examples of furniture which reflect key features of a design movement.



9 (a) Identify the design movement **and** era reflected by the furniture in **item 2**.

[2 marks]

9 (b) Analyse the furniture in item 2.

Explain how item 2 reflects the key features and social factors of the design movement. Justify your response.

[4 marks]



Please turn over for the next section

Section B

This section has a possible 14 marks.

We recommend that you spend 16 minutes on this section.

Answer **all** questions in the spaces provided.

- 10** Which **one** of the following is an appropriate method of presenting design solutions?

[1 mark]

- A** Focus group
- B** Mood board
- C** Peer review
- D** Social media

Answer _____

- 11** Which **one** of the following is a key purpose of self-promotion?

[1 mark]

- A** To build a brand and image
- B** To build strong teamwork skills
- C** To improve individual motivation
- D** To improve individual resilience

Answer _____

- 12** Which **one** of the following is a method of physical marketing and promotional?

[1 mark]

- A** Crowdfunding
- B** Digital portfolio
- C** Online networking
- D** Pop-up events

Answer _____

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13 State **one** type of upskilling a designer may complete when working in the design production industry **[1 mark]**

14 Jacob has been asked to present a series of new packaging designs to a client. Explain **one** way that Jacob may present his design solution. **[2 marks]**

15 Sally is 14 and wants to work as a jewellery designer when she leaves school.

15 (a) Identify **one** design and production industry sector she could work in. **[1 mark]**

15 (b) Explain **two** types of work Sally may get within the design and production industry sector. **[2 marks]**

16 Charlie is a freelance designer. His CV describes him as being highly motivated and resilient.

He is trying to secure a commission for a large furniture design company. The company have a number of important deadlines approaching and want to allocate projects to individual designers.

16 (a) Explain how the skills included on Charlie’s CV may be beneficial for the furniture design company. **[2 marks]**

16 (b) Recommend **three** different skills that are important in the design production industry that Charlie could add to his CV to help him secure the commission. Justify your response. **[3 marks]**

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Please turn over for the next section

Section C

This section has a possible 18 marks.

We recommend that you spend 20 minutes on this section.

Answer **all** questions in the spaces provided.

17 Which **one** of the following is best describes the method of manufacturing identical or similar items in groups? **[1 mark]**

- A** Batch production
- B** Continuous production
- C** Mass production
- D** One off production

Answer _____

18 Which **one** of the following statements is correct? **[1 mark]**

- A** A risk assessment is used to avoid hazards
- B** A risk assessment is used to calculate costs
- C** A risk assessment is used to develop designs
- D** A risk assessment is used to present designs

Answer _____

19 Which **one** of the following is an example of a quality assurance process? **[1 mark]**

- A** Applying a surface treatment
- B** Creating a prototype of design
- C** Responding to product defects
- D** Researching suitable materials

Answer _____

20

You have been asked to review your design solution to see if it is fit for purpose.

State **three** aspects of the design process you could review.

[3 marks]

21

You have been asked to meet with a client to discuss your design ideas for a new product.

State **two** communication skills that you may need to use **and** for **each** skill provided explain why they are important.

[4 marks]

1

2

22 Isaac and his team are making a new chair for a client.

He has created the following production plan for the production stages of the project.

Production plan (production stages)

Stage	Activity	Who?	Cost?	Deadline
1	source materials	Team	Yes	10.01.22
2	select tools	Team	No	17.01.22
3	production techniques and processes to be used	Me	Yes	20.01.22
4	risk assessment	Me	No	22.01.22
5	contingency planning	Me	Maybe	27.01.22

Analyse the production plan for the production stages.

Recommend **two** stages that are missing from the production plan that would help Isaac complete the chair more effectively. Justify your recommendations.

[4 marks]

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23

George has been given a design brief by a commercial client to design a new product.

However, the brief does not include all of the typical elements of a design brief that are needed to develop a suitable design.

Client Brief
Type of client: Vintage Furniture (Commercial)
Product required: Kitchen table and chair set

Recommend **two** additional elements, missing from the brief, that would help George develop a suitable design. Justify your recommendations.

[4 marks]

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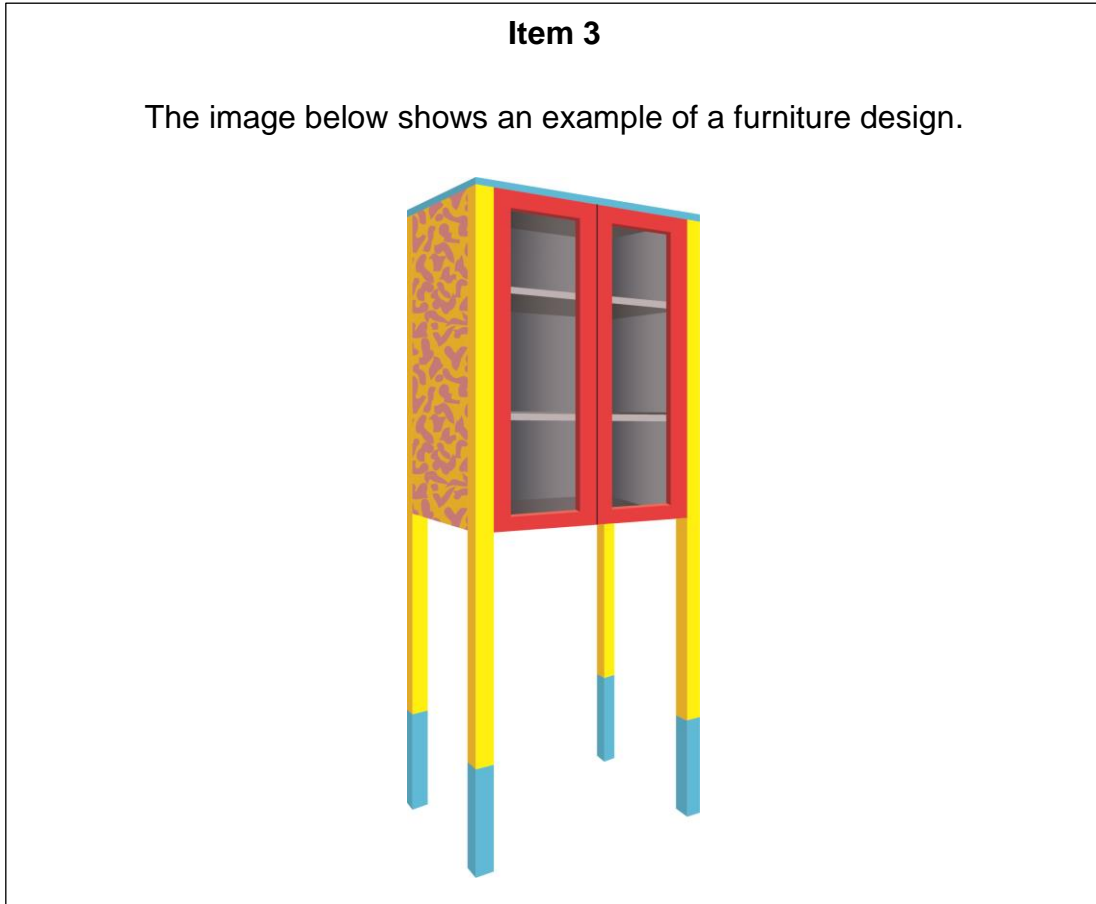
Section D

This section has a possible 18 marks.

We recommend that you spend 20 minutes on this section.

Answer **all** questions in the spaces provided.

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24 Contemporary crafts are a company who specialise in making bespoke products.

They have been approached by a customer with the image shown in **item 3** and would like a similar design to be developed.

They do not know which materials are best to use.

Analyse the design movement reflected in the furniture design in **item 3** and recommend the best materials to use to develop a similar design. Justify your recommendations.

[9 marks]

Lined writing area with 20 horizontal lines.

25

A new, UK based company is developing a range of home office furniture.

They have asked a design agency to come up with a stylish, comfortable design which considers the impact of the product on the environment.

The final design solution is for an office chair. The chair would be produced from wood only available outside of the UK and requires complex manufacturing processes. The chair looks stylish, but its comfort levels are unknown as some stages of the design process have been missed

Evaluate how well the design solution meets the requirements of the brief set by the furniture company. Justify your response.

[9 marks]

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