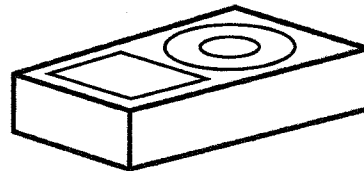
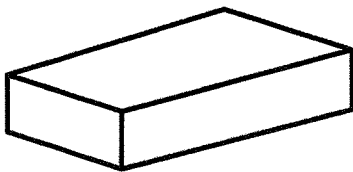


# 國立臺北科技大學 100 學年度四技甄選入學考試

## 工業設計系 設計思考與創意試題

- 注意事項：**
1. 本試題共 4 大題，共 2 頁，總分 100 分。
  2. 請按順序標明題號作答，不必抄題。
  3. 全部答案均須在答案卷內作答，否則不予計分，答案卷正反面皆可作答。
  4. 答案卷不得書寫考生姓名、系組編號、報名序號，違者不予計分。

1. 我們生活的公共環境中存在許多問題。請至少試舉三種情況，描述其問題並繪製對應的設計提案。（評分標準：數量、創意、表達能力）（20 分）
2. 請於範例中的長方體加繪圖案，使其成為某項物品。至少畫出十種構想（長方體自行繪製、方向不限）。（評分標準：數量、創意）（30 分）



3. 素描基礎測驗：根據印象繪製以下指定物件，種類與式樣不拘；請斟酌表現線條、光影與色彩。（30 分）
  - 3-1. 一個兒童玩具
  - 3-2. 一件常見家具
  - 3-3. 一輛交通運輸工具

4. 請根據以下英文敘述，以中文表達你對台灣設計產業未來發展的期望。(20分)

**Sustainable design** is the philosophy of designing physical objects, the built environment, and services to comply with the principles of economic, social, and ecological sustainability. It is a philosophy that can be applied in the fields of architecture, landscape, urban planning, engineering, graphic design, industrial design, interior design, and fashion design.

Sustainable design is mostly a general reaction to global environmental crises, the rapid growth of economic activity and human population, depletion of natural resources, damage to ecosystems, and loss of biodiversity. The intention of sustainable design is to "eliminate negative environmental impact completely through skillful, sensitive design".

Creative designers and artists are perhaps the most inventive when it comes to upcycling or creating new products from old waste. A growing number of designers upcycle waste materials such as car window glass and recycled ceramics, textile offcuts from upholstery companies, and even decommissioned fire hose to make belts and bags. Automobiles, home appliances and furnitures can be designed for repair and disassembly (for recycling), and constructed from recyclable materials such as steel, aluminum and glass, and renewable materials, such as wood and plastics from natural feedstocks.