

# 雲嘉南分署110年度第1期職前訓練電腦輔助機械繪圖班基礎能力評估

姓名: \_\_\_\_\_ ※ 注意事項: 滿分 100 分, 數學及智力項目請列出計算過程, 全程不可使用計算機及手機。

translation: 20%

美國職籃 NBA Utah Jazz 的 Gordon Hayward 轉到東岸的 Boston Celtics 時, Hayward 的妻子 Robyn 說了以下的話, 請翻譯出來寫在下方。

I'm excited to go on this adventure with this man! It's bittersweet leaving where we've called home and grown our family, but I'm excited to see where this path takes us! We are so grateful for everything Utah has done for us! Also, as for all the mean comments and threats. Don't forget athletes are humans too. Treat others how you would like to be treated. It would never cross my mind to speak so negatively and so full of hate about oneself or their family.

我很興奮, 和這個男子開展這個歷程! 離開我們稱為家並且是建立家庭的地方是苦樂參半的, 但我期待看這道路會帶領我們去哪裏

我們很感謝猶他爵士隊過去為我們所做的, 同時對於對於那些惡毒的批評來說, 不要忘記了運動員也是人, 如果你想要被人善待同時也須善待別人, 我是不會對一個人或他們的家人說出負面或充滿恨意話語的

數學及智力: 10%

假設一顆糖果有一張糖果紙, 一顆糖果1元, 現在商店促銷, 集3張糖果紙即可換1顆糖果, 請問如用15元最多可以吃到幾顆糖果?

Ans. 22

製圖測驗: 將立體圖繪製三視圖於A3圖紙(徒手繪, 設計變更使用X1Y1, 比例1:1, 需繪輔助視圖)70%

The technical drawing shows a mechanical part with the following views and dimensions:

- Top View:** Shows a circular base with a diameter of  $\phi 25$  and a central hole with a diameter of  $\phi 19$ . The overall width is 50, and the distance from the center to the edge is 20.
- Front View:** Shows a profile with a total width of 110 and a height of 15. It features a central section with a width of 55 and a height of 20. There are two smaller sections on either side, each with a width of 15 and a height of 3. The bottom edge has a radius of R2.
- Side View:** Shows a profile with a total width of 50 and a height of 40. It features a central section with a width of 30 and a height of 15. There are two smaller sections on either side, each with a width of 10 and a height of 3. The bottom edge has a radius of R2.
- Isometric View:** Shows the 3D shape of the part, with labels A, B, C, and D indicating different features.
- Change Table:** A table with the following data:
 

變更設計表	1	2
變更		
尺寸		
X	120°	135°
Y	70	60

未標註之圓角為R2