

97年特種考試交通事業鐵路人員考試及
97年特種考試交通事業公路人員考試試題

代號：2504
頁次：8-1

資位別：佐級

類科：鐵路—機械工程

科目：機械工程製圖大意

考試時間：1小時

座號：_____

※注意：(一)本測驗試題為單一選擇題，請選出一個正確或最適當的答案，複選作答者，該題不予計分。

(二)本科目共40題，每題2.5分，須用2B鉛筆在試卡上依題號清楚劃記，於本試題上作答者，不予計分。

(三)禁止使用電子計算器。

1 直線與投影面相交之交點稱為跡，而通過三個象限之直線必有幾個跡？

- (A) 1個 (B) 3個 (C) 2個 (D) 無窮多個

2 在直立投影面上顯示實長，而在水平投影面及側投影面顯示縮短之投影稱為：

- (A) 前平線之投影 (B) 水平線之投影 (C) 側平線之投影 (D) 複斜線之投影

3 下列何者不能用以表示一平面：

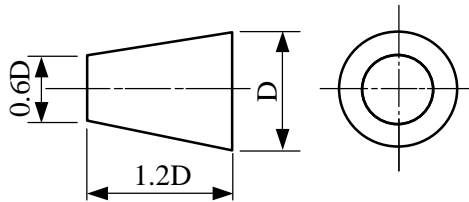
- (A) 不在同一直線上之任意三點 (B) 一直線及在其延長線上之一點
(C) 相交之兩直線 (D) 兩平行直線

4 由物體正下方投射所得之投影或視圖稱為：

- (A) 前視圖 (B) 俯視圖 (C) 仰視圖 (D) 後視圖

5 下圖所示為何種投影方法之符號：

- (A) 第一角投影
(B) 第二角投影
(C) 第三角投影
(D) 第四角投影



6 在作正投影時，凡將投影面置於物體前面所作之投影，即稱為：

- (A) 第一角投影 (B) 第二角投影 (C) 第三角投影 (D) 第四角投影

7 在視圖中之線，常有重疊之現象發生，須以第一優先畫出者為：

- (A) 剖面線 (B) 輪廓線 (C) 中心線 (D) 尺度界線

8 下列何者所述為正確？

- (A) 複斜面在各主投影面上均顯示縮小形狀，亦可顯示其邊視形狀
(B) 複斜面在各主投影面上均顯示放大形狀，亦無法顯示其邊視形狀
(C) 複斜面在各主投影面上均顯示放大形狀，亦可顯示其邊視形狀
(D) 複斜面在各主投影面上均顯示縮小形狀，亦無法顯示其邊視形狀

9 傾斜面之邊視圖位於前視圖中者，其輔助視圖可由前視圖投影而求出之，稱為：

- (A) 側輔助視圖 (B) 前輔助視圖 (C) 俯視輔助視圖 (D) 以上皆非

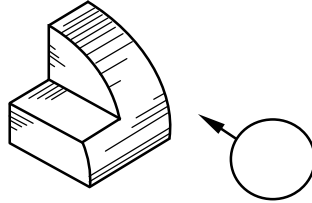
10 輔助投影與旋轉投影對機件單斜面或複斜面之表現效果為：

- (A) 完全相同 (B) 完全不同 (C) 有時相同有時不同 (D) 以上皆非

11 利用中心投射線，從物體投射到投影面所得之三次元立體圖稱為：

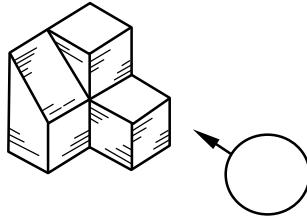
- (A)透視投影 (B)立體正投影 (C)斜投影 (D)側投影

12 請依所示之立體圖及箭頭指示方向，選出正確的投影視圖：



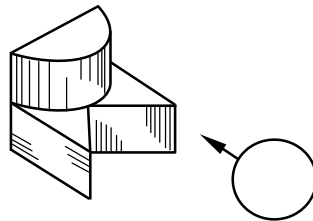
- (A)  (B)  (C)  (D) 


13 請依所示之立體圖及箭頭指示方向，選出正確的投影視圖：



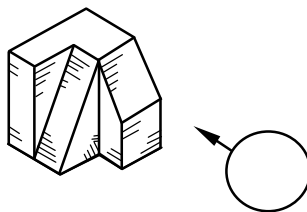
- (A)  (B)  (C)  (D) 

14 請依所示之立體圖及箭頭指示方向，選出正確的投影視圖：



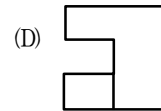
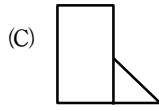
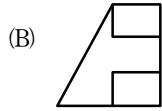
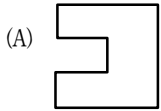
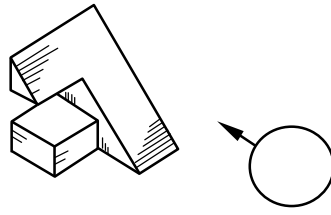
- (A)  (B)  (C)  (D) 

15 請依所示之立體圖及箭頭指示方向，選出正確的投影視圖：

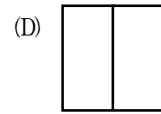
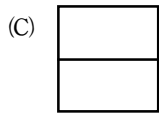
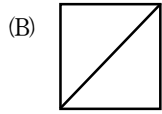
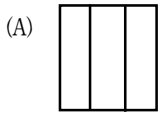
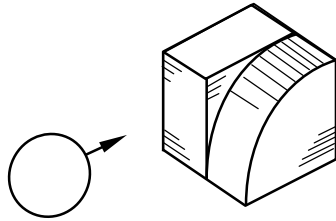


- (A)  (B)  (C)  (D) 

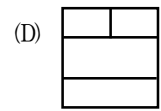
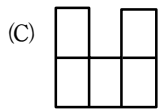
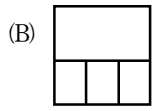
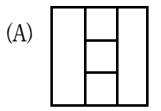
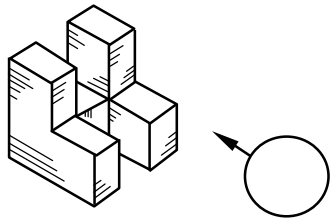
16 請依所示之立體圖及箭頭指示方向，選出正確的投影視圖：



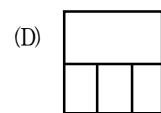
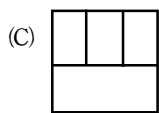
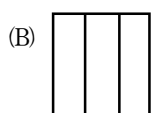
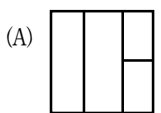
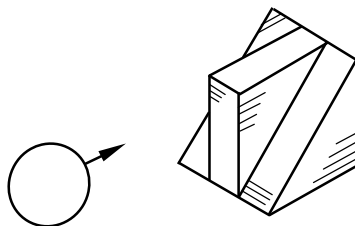
17 請依所示之立體圖及箭頭指示方向，選出正確的投影視圖：



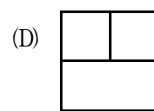
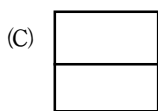
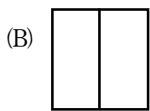
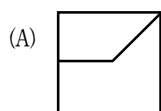
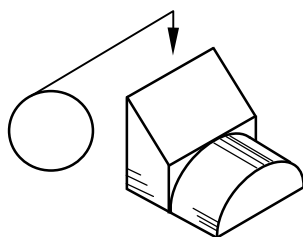
18 請依所示之立體圖及箭頭指示方向，選出正確的投影視圖：



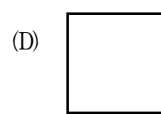
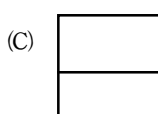
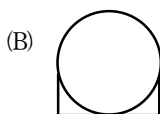
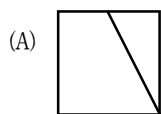
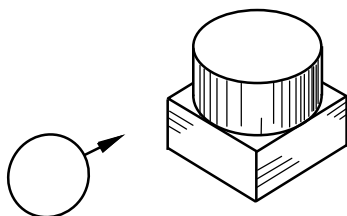
19 請依所示之立體圖及箭頭指示方向，選出正確的投影視圖：



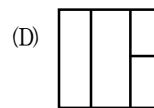
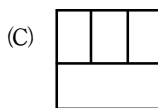
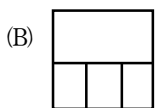
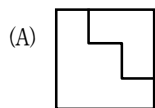
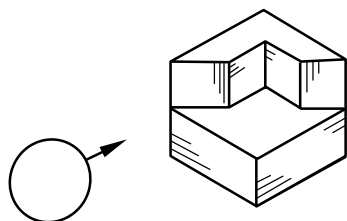
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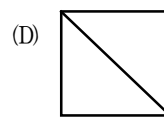
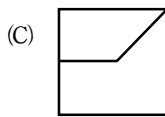
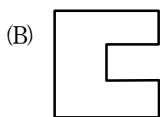
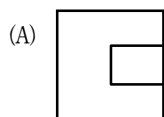
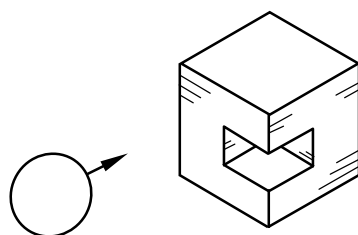
21 請依所示之立體圖及箭頭指示方向，選出正確的投影視圖：



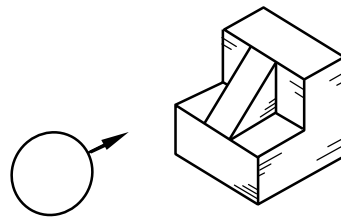
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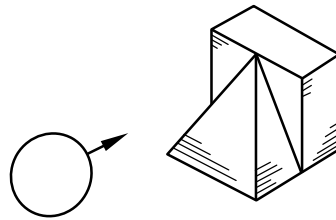


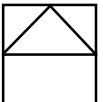
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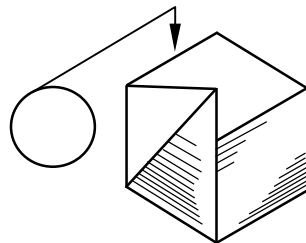
- (A)  (B)  (C)  (D) 

25 請依所示之立體圖及箭頭指示方向，選出正確的投影視圖：



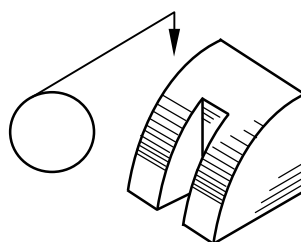
- (A)  (B)  (C)  (D) 

26 請依所示之立體圖及箭頭指示方向，選出正確的投影視圖：



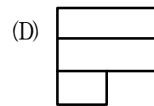
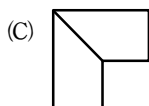
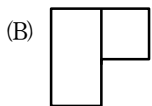
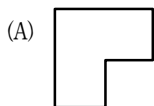
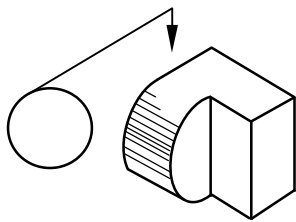
- (A)  (B)  (C)  (D) 

27 請依所示之立體圖及箭頭指示方向，選出正確的投影視圖：

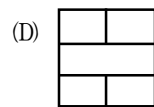
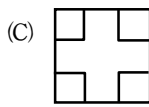
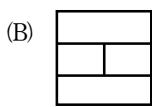
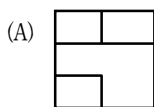
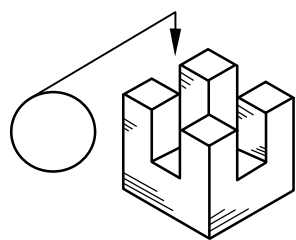


- (A)  (B)  (C)  (D) 

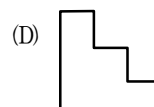
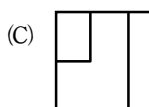
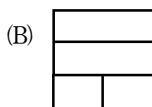
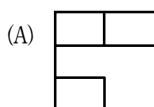
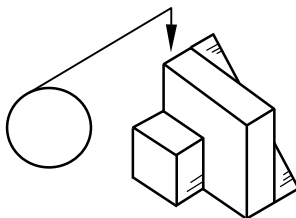
28 請依所示之立體圖及箭頭指示方向，選出正確的投影視圖：



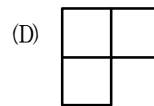
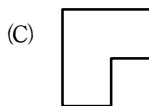
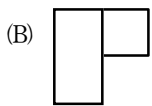
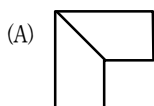
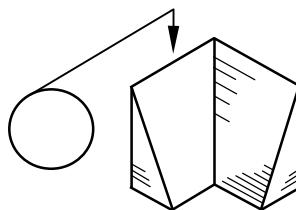
29 請依所示之立體圖及箭頭指示方向，選出正確的投影視圖：



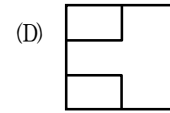
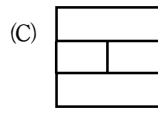
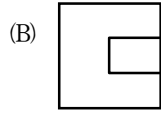
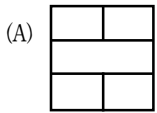
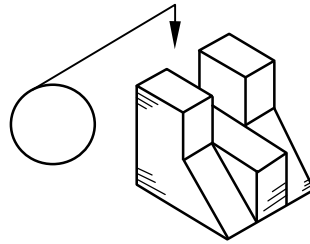
30 請依所示之立體圖及箭頭指示方向，選出正確的投影視圖：



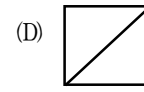
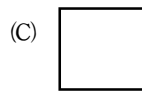
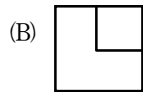
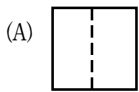
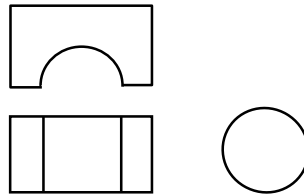
31 請依所示之立體圖及箭頭指示方向，選出正確的投影視圖：



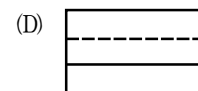
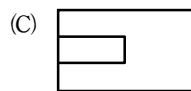
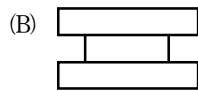
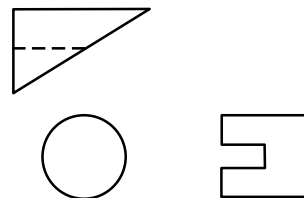
32 請依所示之立體圖及箭頭指示方向，選出正確的投影視圖：



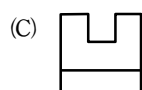
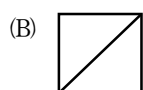
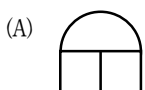
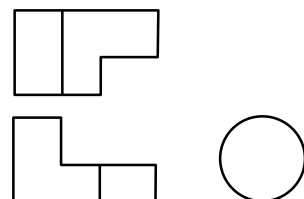
33 使用第三角投影法，下圖為一物體之正投影視圖，其所缺之右側視圖何者為正確？



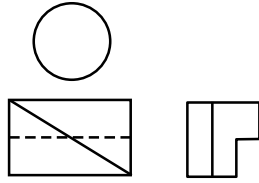
34 使用第三角投影法，下圖為一物體之正投影視圖，其所缺之前視圖何者為正確？

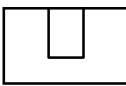


35 使用第三角投影法，下圖為一物體之正投影視圖，其所缺之右側視圖何者為正確？

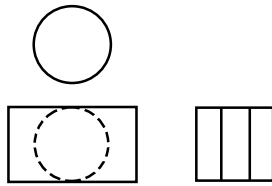


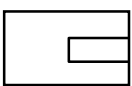
36 使用第三角投影法，下圖為一物體之正投影視圖，其所缺之俯視圖何者為正確？



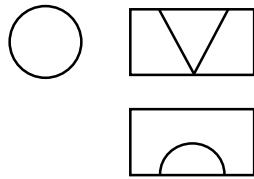
- (A)  (B)  (C)  (D) 

37 使用第三角投影法，下圖為一物體之正投影視圖，其所缺之俯視圖何者為正確？



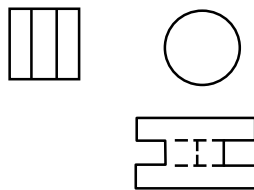
- (A)  (B)  (C)  (D) 

38 使用第一角投影法，下圖為一物體之正投影視圖，其所缺之右側視圖何者為正確？



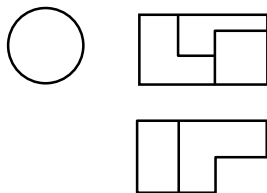
- (A)  (B)  (C)  (D) 

39 使用第一角投影法，下圖為一物體之正投影視圖，其所缺之前視圖何者為正確？



- (A)  (B)  (C)  (D) 

40 使用第一角投影法，下圖為一物體之正投影視圖，其所缺之右側視圖何者為正確？



- (A)  (B)  (C)  (D) 