

國立彰化師範大學 100 學年度碩士班招生考試試題

系所：地理學系

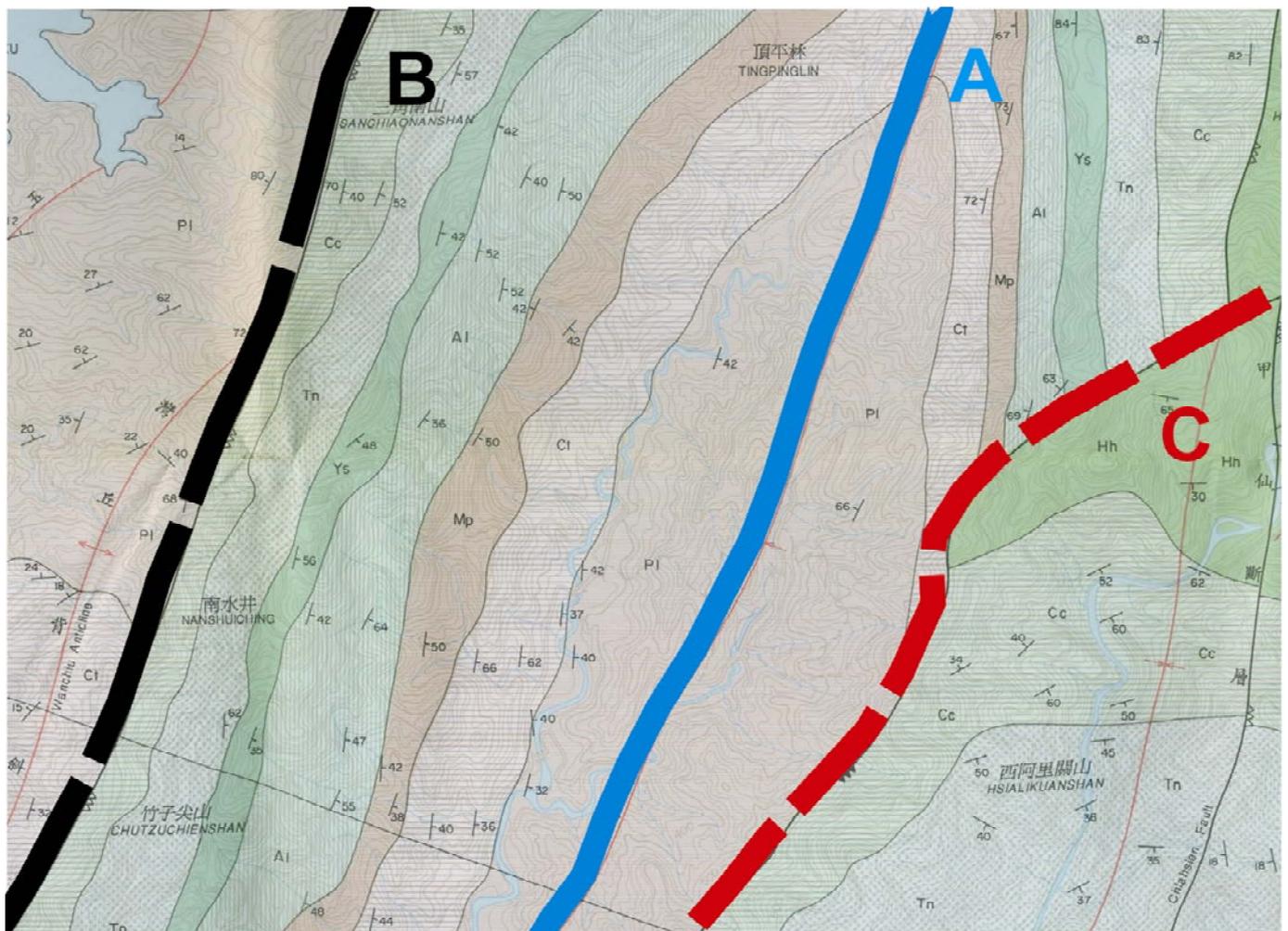
科目：自然地理學

☆☆請在答案紙上作答☆☆

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請就下列各題進行作答：

1. 繪圖說明各種斷層地形，並依地形地質特徵區別斷層崖和河階崖。(25 分)
2. 試說明生物多樣性喪失的原因，並解釋生物性滅絕和生態性滅絕的差異。(25 分)
3. 台灣西南部沿海地區，常因超抽地下水而造成海水入侵地下水及土壤鹽化的現象。請說明引發此一現象的水文機制。(25 分)
4. Please (1) identify and describe the characteristics of the geologic structures marked as “A”, “B” and “C” on the geologic map shown below with explanations, and (2) give your interpretation on the regional geologic history of this area. (25 分)



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更新世 PLEISTOCENE	六龜層 LIUKUEI FORMATION		礫岩、砂岩、砂質頁岩和泥岩 Conglomerate, sandstone, sandy shale and mudstone	
	北寮頁岩 PEILIAO FORMATION		頁岩和砂質頁岩 Shale and sandy shale	
	竹頭崎層 CHUTOUCHI FORMATION		泥質砂岩，及泥質砂岩和頁岩互層 Muddy sandstone, interbeds of muddy sandstone and shale	
上新世 PLIOCENE	茅埔頁岩 MAOPU SHALE		頁岩夾薄層砂岩 Shale with thin-bedded sandstone	
	隘寮腳層 AILIAOCHIAO FORMATION		粉砂岩和頁岩薄互層 Thin alternation of siltstone and shale	
	鹽水坑頁岩 YENSHUIKENG SHALE		塊狀頁岩 Massive shale	
	糖恩山砂岩 TANGENSHAN SANDSTONE		厚層砂岩和泥質砂岩 Thick-bedded sandstone and muddy sandstone	
中新世 MIOCENE	長枝坑層 CHANGCHIKENG FORMATION		砂頁岩互層 Alteration of sandstone and shale	
	紅花子層 HUNGHUATZU FORMATION		厚層粉砂岩，及粉砂岩和砂岩厚互層 Thick-bedded siltstone, thick alternation of siltstone and sandstone	
	三民頁岩 SANMING SHALE		頁岩間夾薄層粉砂岩 Shale intercalated with thin-bedded siltstone	
	樟山層 CHANGSHAN FORMATION	上段 UPPER MEMBER		硬頁岩偶夾薄層砂岩，玄武岩質火成碎屑岩 Argillite with thin-bedded sandstone, basaltic pyroclastic rocks
		下段 LOWER MEMBER		板岩偶夾薄層砂岩 Slate with thin-bedded sandstone