

科別：各科別

科目：綜合知識測驗(二) (本國歷史、地球科學、英文)

考試時間：一小時三十分

座號：_____

※注意：(一)本科目測驗式試題為單一選擇題，請就各題選項中選出一個最正確或最適當的答案，複選作答者，該題不予計分。

(二)本科目試題共計八頁，100題，每題0.5分。須用2B鉛筆在試卡1~100題劃記，於本試題上作答者不予計分。

(三)本試題禁止使用電子計算器。

- 1 中國歷史上以「夯土」築成圍牆用以自衛是始於何時？
(A)龍山文化時期 (B)春秋戰國時代 (C)秦朝 (D)漢朝
- 2 甲骨文字裡，以「六書」中的那一種最多？
(A)象形 (B)指事 (C)會意 (D)假借
- 3 先秦思想家之中，對現實社會較為認同並鼓吹建立新制度的是：
(A)管子 (B)墨子 (C)莊子 (D)韓非
- 4 戰國時代的「鄭國渠」是在那一國境內？
(A)鄭國 (B)韓國 (C)秦國 (D)魏國
- 5 中國歷代重視土地改革，下述各項，何者有誤？
(A)商鞅變法，准許土地自由買賣
(B)王莽收土地為國有，不許買賣
(C)北魏孝文帝行均田，男女平等受田，永業田可以買賣
(D)唐代的均田制，男丁受田，婦女不給田，永業田仍可買賣
- 6 自西晉末至南北朝時代，各國人口的共同主要流向為何？
(A)集中於內地 (B)遷徙於邊地 (C)移居於海外 (D)走避於西域
- 7 唐代中葉以後，對於外來文化的態度轉趨保守，並對本土文化重新反省，下列何者是重要關鍵？
①武周代唐 ②道教發達 ③佛教盛行 ④安史之亂 ⑤怛羅斯之役 ⑥黃巢之亂
(A)①② (B)③④ (C)④⑤ (D)⑤⑥
- 8 唐朝官營工業之工匠的來源是採何種制度？
(A)輪役制 (B)奴隸制 (C)雇役制 (D)匠戶制
- 9 中國民間信仰中的「玉皇大帝」，成為道教之主，是始於那一時代？
(A)唐朝 (B)宋朝 (C)元朝 (D)明朝
- 10 欲瞭解宋代以前的學校教育制度，下列何書是最合適的尋檢對象？
(A)資治通鑑 (B)文獻通考 (C)太平寰宇記 (D)通鑑紀事本末
- 11 成吉思汗將蒙古本土交由托雷繼承，這種繼承方式名為：
(A)嫡長繼承 (B)兄終弟及 (C)幼子守灶 (D)廢嫡立庶
- 12 下列何人為《四書》所作的章句集注，成為後世科學的定本？
(A)程頤 (B)朱熹 (C)周敦頤 (D)陸九淵
- 13 下列各書，何者是清初顧祖禹所著？
(A)徐霞客遊記 (B)天下郡國利病書 (C)文史通義 (D)讀史方輿紀要
- 14 明代的庶民有良賤之分，賤民中的「丐戶」是分佈於何地？
(A)晉陝 (B)齊魯 (C)淮北 (D)江南
- 15 下列何者是明清時代以群眾力量參與商業競爭，且有「足跡遍天下」之稱的著名商幫？
(A)閩粵船主 (B)洞庭商人 (C)徽州商人 (D)北京商人
- 16 明代廠衛為虐，成祖時曾為宦官設何廠？
(A)內廠 (B)東廠 (C)西廠 (D)北廠

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- 17 在廢除不平等條約的努力過程中，首先與中國締結關稅新約的國家是：
(A)美國 (B)英國 (C)法國 (D)日本
- 18 民國十三年第二次直奉戰爭，直系戰敗的主要原因是什麼？
(A)日本的干預 (B)馮玉祥倒戈 (C)革命軍北伐 (D)張作霖被炸
- 19 從五四學生愛國運動的結果來看，下列何項要求獲得初步的實現？
(A)取消二十一條要求 (B)收回青島 (C)廢除領事裁判權 (D)拒絕巴黎和約的簽字
- 20 民國十五年，在河北定縣推行平民教育，卓有功效的人是：
(A)蔡元培 (B)晏陽初 (C)陶知行 (D)梁漱溟
- 21 清末時期，清廷曾分別與英、法、日、俄等列強在天津簽訂條約，這些「天津條約」的共同特色是：
(A)均未割地 (B)都無賠款 (C)均有割地 (D)都有賠款
- 22 清末時期，國人有感於救亡圖存不能只靠船堅砲利，更需要從事政治的改革，這種覺醒是受到那一場戰爭的直接刺激？
(A)英法聯軍 (B)中法戰爭 (C)甲午戰爭 (D)日俄戰爭
- 23 一般由印尼航向日本的船隻，經過鄭氏王國的勢力範圍時，須先繳費。這是西元第幾世紀的情形？
(A)十五 (B)十六 (C)十七 (D)十八
- 24 清代台灣有一張拓墾契約記載：「立招墾字朴仔社阿目阿四老，今有祖遺草地奉憲題奏准墾內埔地一塊，……今因自己不能開墾，情願招得匠人邱禮千出首承墾。……此係二比甘願，兩無生端。」由這張契約可以看出：
(A)漢人向原住民承租土地開墾 (B)漢人向政府申請開墾土地
(C)政府召請原住民開墾無主地 (D)漢人之間彼此承租土地開墾
- 25 台灣初屬清朝，行政區劃分為一府三縣，三縣是指：
(A)台灣、天興、萬年 (B)台南、鳳山、諸羅 (C)台灣、鳳山、諸羅 (D)鳳山、諸羅、淡水
- 26 有關台灣「交通建設」的敘述，下列何者正確？
(A)沈葆楨時架設安平至旗後之間的電報線
(B)丁日昌在台北設郵政總局，各要地設站
(C)劉銘傳開始在台灣興築鐵路，通車範圍可由基隆到台中
(D)日本殖民統治時整建基隆港和高雄港成為現代化設備的大港
- 27 下列地名產生的時代，由先而後依序排列，何者正確？①岡山 ②陽明山 ③紅毛港 ④嘉義
(A)①②③④ (B)②③④① (C)③④①② (D)④③②①
- 28 日本統治台灣五十一年，其統治政策分三期：①皇民化運動時期 ②同化政策時期 ③非同化政策時期。其先後順序為：
(A)①②③ (B)②③① (C)③①② (D)③②①
- 29 十九世紀時，下列那一事件，使清廷經營台灣的態度轉趨積極？
(A)朱一貴事件 (B)林爽文事件 (C)噶吧年事件 (D)牡丹社事件
- 30 清末台灣建省是在那一場戰爭之後？
(A)中日甲午戰爭 (B)中法戰爭 (C)八國聯軍之役 (D)日俄戰爭
- 31 有的中洋脊地形寬廣，崎嶇度小，主要原因是：
(A)海底洋流侵蝕力量強大 (B)火山活動力量弱
(C)海床擴張速率慢 (D)海床擴張速率快

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- 32 下列有關地球磁場強度值的敘述，何者是正確的？
(A)在極區測值與在赤道地區的測值差不多 (B)在極區的測值幾乎是赤道地區測值的兩倍
(C)在極區的測值只有赤道地區測值的一半 (D)僅與經度有關係，和緯度無關
- 33 下列有關岩漿生成之敘述，何者是錯誤的？
(A)岩漿的生成受地溫梯度的影響
(B)安山岩岩漿生成於大陸地殼的上部
(C)鮑氏(Bowen)反應系列解釋玄武岩質岩漿的結晶分異作用
(D)岩漿冷卻時，熔點最高的礦物最先結晶出來
- 34 下列何種岩石是岩漿在地下深處冷卻，形成的？
(A)花崗岩 (B)安山岩 (C)大理岩 (D)玄武岩
- 35 S波無法存在於地球內部那一個地帶？
(A)地殼 (B)地函 (C)外地核 (D)內地核
- 36 轉形斷層一般出現在：
(A)海溝 (B)中洋脊 (C)島弧 (D)大陸邊緣
- 37 下列何種機制最可能造成全球海水面下降？
(A)全球溫度升高，海水蒸發加速 (B)全球溫度降低，冰河時期來臨
(C)板塊運動造成陸塊上升 (D)人類超抽地下水，使海水入侵地下
- 38 尋找地下油氣田構造，目前最有效且可靠的探勘方法是：
(A)反射震測法 (B)地電測勘法 (C)鑽井 (D)重力測勘法
- 39 下列有關板塊運動的敘述，何者是錯誤的？
(A)中洋脊為張裂性板塊交界處 (B)海溝為聚合性板塊交界處
(C)轉形斷層大都出現在中洋脊 (D)島弧為張裂性板塊活動處
- 40 地殼中含量最多，有“最原始的岩石”之稱的是：
(A)火成岩 (B)沈積岩 (C)變質岩 (D)沈積物
- 41 大陸地殼及海洋地殼之組成物質依序以何種岩質為主？
(A)沈積岩及花崗岩 (B)花崗岩及玄武岩 (C)安山岩及橄欖岩 (D)玄武岩及安山岩
- 42 澎湖群島上主要的岩石為：
(A)玄武岩 (B)石灰岩 (C)安山岩 (D)花崗岩
- 43 下列有關地球大氣層溫度變化的敘述，那一個是不正確的？
(A)對流層的溫度變化一般隨高度而降低 (B)平流層的溫度變化，一般隨高度而降低
(C)中氣層內，溫度隨高度遞減 (D)增溫層內，溫度由中氣層頂向上一直增加
- 44 就全年而言，地球極區損失的能量大於其所接收的太陽能量，但極區的溫度並未年年下降，主要是靠：
(A)地表土壤的熱量儲存 (B)大氣與海洋的經向環流
(C)地球內部熱量的補充 (D)水汽凝結的潛熱釋放
- 45 冷鋒所伴隨的天氣不會是：
(A)陣雨 (B)雷雨 (C)強風 (D)連綿細雨
- 46 在一張天氣圖上，最大風速通常出現在：
(A)高氣壓中心附近 (B)等壓線最疏的地方 (C)等壓線最密的地方 (D)鋒面前方
- 47 當氣溫降到露點後，水汽是否能夠開始凝結和下列那一個因素有極大的關係？
(A)凝結核 (B)氣溫 (C)濕度 (D)氣壓

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- 48 在北太平洋航行的船隻，在海上遇到颱風，一時無法閃避時，待在那裡安全性較高？
(A) 颱風前進方向的正前方 (B) 颱風前進方向的正後方
(C) 颱風前進方向的左後方 (D) 颱風前進方向的右後方
- 49 接近地面之大氣有逆溫現象存在時：
(A) 大氣很穩定，故空氣污染不易排除 (B) 大氣很穩定，故空氣污染易排除
(C) 大氣不穩定，故空氣污染不易排除 (D) 大氣不穩定，故空氣污染易排除
- 50 赤道附近為何不易生成颱風？
(A) 科氏力太小 (B) 科氏力太大 (C) 海水溫度高 (D) 海水溫度低
- 51 冬季台灣那個地區波浪較小？
(A) 東北部 (B) 東南部 (C) 西南部 (D) 西北部
- 52 波浪斜射進入淺水區時會發生折射，這是因為：
(A) 波速變慢 (B) 波速變快 (C) 波高變大 (D) 波高變小
- 53 台灣西部氣溫受海流流向改變影響，在那一季節常出現高雄與台北之間溫差 5°C 以上？
(A) 春季 (B) 夏季 (C) 秋季 (D) 冬季
- 54 從地球上觀測，會有凌日現象的行星是：
(A) 水星、金星 (B) 火星、水星 (C) 木星、金星 (D) 水星、土星
- 55 太陽系中那一個行星的自轉方向與其他行星相反？
(A) 水星 (B) 金星 (C) 土星 (D) 木星
- 56 1920 年天文學家哈柏 (Hubble) 發現星系與我們之距離越遠者，其奔離速率越快，即哈柏定律 $V = H_0 \times d$ ，此發現對宇宙學說有何貢獻？
(A) 其可為霹靂 (大爆炸) 說之證據 (B) 其發現宇宙正處於收縮階段
(C) 其證明宇宙毫無邊界 (D) 其證明萬有引力在此不適用
- 57 下列何者是探測海底沈積構造最主要的方法？
(A) 震測 (B) 重力 (C) 磁力 (D) 深海鑽探
- 58 哈柏太空望遠鏡，口徑遠比地面上的許多光學望遠鏡小，但是卻拍到更清晰的影像，其主要原因是：
(A) 在太空距天體較近 (B) 鏡片材質特殊，聚光力強
(C) 在太空，目鏡焦距改變，放大力提昇 (D) 避免大氣擾動，增強解析力
- 59 有關恆星演化，下列何者錯誤？
(A) 核心部分的氫都會融合至鐵才停止 (B) 一生主要的時間都在主序帶上渡過
(C) 主要因質量大小而決定演化的途徑 (D) 當內部熱壓力大於自身重力時，將會膨脹
- 60 一般相信，恆星演化經紅巨星過程後，若剩不到 1.4 倍太陽質量，將會變成何種天體？
(A) 白矮星 (B) 紅巨星 (C) 中子星 (D) 黑洞

一、詞彙：請回答第 61 題至第 72 題。

- 61 I used to play the trumpet in high school. I was in a jazz _____.
(A) team (B) class (C) band (D) center
- 62 The actor _____ the newspaper for publicizing the story of his private life.
(A) argued (B) exploded (C) examined (D) blasted

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- 63 Football players wear strange-looking _____ to protect them because it is a rough game, which can be dangerous.
(A) blouses (B) coats (C) uniforms (D) jackets
- 64 I want to ask her to marry me, but I can't get up the _____ to ask her.
(A) neck (B) nourish (C) courage (D) note
- 65 I had a cold, so I decided to take my _____.
(A) fever (B) heat (C) sweat (D) temperature
- 66 It's so _____ to watch a horror movie late at night by yourself.
(A) relaxing (B) consoling (C) thrilling (D) nervous
- 67 Joan didn't like what her company wanted her to do, so she decided to _____ and get another job.
(A) deserve (B) reserve (C) resign (D) design
- 68 When you are riding your motorcycle, you should wear a helmet for your own _____.
(A) profession (B) protection (C) detection (D) attention
- 69 Our global temperature is rising _____. It is getting hotter and hotter.
(A) formerly (B) deeply (C) decreasingly (D) steadily
- 70 My father used to speak English _____, but now he can hardly utter a sentence.
(A) fully (B) formally (C) finally (D) fluently
- 71 John is not in the office right now. Please leave a _____.
(A) memory (B) mind (C) message (D) memo
- 72 Susan is in college now, and she's getting an excellent _____.
(A) explanation (B) education (C) imagination (D) suggestion

二、文法：請回答第 73 題至第 81 題。

- 73 There is a great new Mexican restaurant downtown. _____ you like to try it?
(A) Will (B) Shall (C) Would (D) Should
- 74 We can have a party at my house if everyone promises to help me _____ up.
(A) clean (B) cleaned (C) have cleaned (D) to have cleaned
- 75 The new computer is _____ as fast as the old one.
(A) two (B) twice (C) double (D) second
- 76 By the end of this month, he _____ the contract.
(A) signs (B) is signing (C) has signed (D) will have signed
- 77 I am going to be out of town for a couple of days. Would you mind _____ my dog?
(A) to look for (B) looking for (C) to look after (D) looking after
- 78 A: I called you at eight last night, but you weren't home.
B: I was! I couldn't answer the phone because I _____ my hair.
(A) was washing (B) had washed (C) have washed (D) washed
- 79 I _____ lift weights but I didn't really enjoy it.
(A) am used to (B) am using to (C) use to (D) used to

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- 80 My family is out playing baseball and stuff all the time. But John thinks most sports are pretty _____.
(A) bored (B) boring (C) being bored (D) being boring
- 81 John didn't buy anything, _____.
(A) and neither did I (B) but neither did I (C) and so did I (D) but so did I

三、會話：請回答第 82 題至第 90 題。

- 82 Jenny: How is the book?
Paul: _____.
(A) Pretty good. (B) Sorry, he didn't know.
(C) Believe me. (D) So far, it's a bookworm.
- 83 Cindy: I really can't stay.
Annie: Stay for five more minutes, _____.
(A) at least (B) least (C) at last (D) last
- 84 Susan: Are you dating anyone else?
Mary: _____.
(A) They are kidding. (B) Why do you ask? (C) Yes, he is. (D) Yes, she is.
- 85 Jack: What time is it?
May: _____.
(A) Yes, I have a good time. (B) It is time we face the problem.
(C) It is half past eleven. (D) My watch keeps good time.
- 86 Cindy: I hope it snows. I love the winter.
Jenny: _____ I can't stand cold weather.
(A) Not me. (B) Me, either. (C) Me, too. (D) Me, neither.
- 87 Jack: How marvelous you look in that dress, May!
May: _____.
(A) Oh, it doesn't. (B) Am I?
(C) Why not look in the mirror yourself? (D) Thank you.
- 88 Paul: Why are you in a hurry?
Rob: _____.
(A) It was great talking to you. (B) Because I'm late for work.
(C) No problem. (D) You can do it.
- 89 Bob: Have you been chosen for the baseball team?
Ted: _____ I really want to play.
(A) I hope that. (B) Not yet, but I hope so. (C) I want to. (D) I want and hope it.
- 90 Sue: Are you going to stay with the company, if they offer you more money?
Sam: _____.
(A) Even if I stay. (B) Because I have to leave.
(C) Unless they give me more money. (D) Not unless I get a house as well.

科 別：各科別

科 目：綜合知識測驗(二)(本國歷史、地球科學、英文)

四、閱讀測驗：下列有兩段文章，每段文章之後各有五題，每題各有(A)、(B)、(C)、(D)四個選項，請仔細閱讀後，每題各選出一個最正確或最適當的答案，複選作答者，該題不予計分。

With the invention and development of television, entertainment has grown much more visual in character and is demanding less and less use of the imagination, considered by many to be men's greatest faculty; but its greatest inadequacy lies in its inability to exercise just those creative powers in men which are called upon and developed in the pursuit of a worthwhile hobby. This lack is not serious while a man is still fully employed in his day-to-day work which itself often gives him chances to create either with his hands or with his mind. At this time he seeks only some form of relaxation in his leisure. There comes a time, however, when he must retire from his occupation because of age, and it is then that these shallower pastimes, useful enough as a form of relaxation, might cease to satisfy the still active man. Today, many elderly people are finding this to be true, and seem constantly to be suffering from a sense of frustration after retirement, which reveals itself in short temper and slow degeneration of health, the two most common symptoms.

- 91 The writer criticizes visual entertainment because _____
(A) it does not require men's creative powers.
(B) it can improve our intelligence and skills.
(C) it demands too much of our imagination.
(D) it will not lead men to slow degeneration in health.
- 92 What is regarded as men's greatest faculty?
(A) Entertainment.
(B) Character.
(C) Imagination.
(D) Hobby.
- 93 While fully employed, men look for _____
(A) visual entertainment that requires imagination in their leisure.
(B) chances to create either with their hands or with their minds in their leisure.
(C) creative hobbies in their leisure.
(D) something that will help them relax in their leisure.
- 94 Elderly people find _____
(A) relaxation most suitable for their age.
(B) retirement unnecessary.
(C) it unnecessary to cultivate creative hobbies in their younger days.
(D) that shallower pastimes can no longer satisfy them.
- 95 It can be concluded from the passage that _____
(A) hobbies are more important to the youth than to the elderly people.
(B) we should develop worthwhile hobbies when we are young.
(C) in ancient times entertainment was more visual in character.
(D) hobbies are not important to the health of modern men.

科 別：各科別

科 目：綜合知識測驗(二) (本國歷史、地球科學、英文)

Money destroys friendships, marriages, and family unity. Money, which in itself has essentially no value, exerts more power over human lives than any other single commodity. It brings out the best and the worst in people. An elderly woman is mugged and beaten by two youths for less than a dollar, while across town a couple on unemployment take in a runaway teenager and feed him because he has even less than they do.

The strange and illogical things that people do with and for money fill the newspapers and bring a smile to the lips of millions of readers, whose own money behavior is almost as strange. In the United States, for example, it is estimated that there are approximately eight million compulsive gamblers, men and women whose primary purpose in life is to bet money. On the other side are the millions of compulsive savers, who are compelled to save money with the same vengeance that compulsive gamblers are driven to bet it. In the same class are the millions of compulsive bargain hunters, who drive miles out of their way to save two cents on a gallon of gasoline, or who buy potato peelers by the dozen because they are on sale at half price, or who haunt swap meets and garage sales buying anything that is cheap, even though they have no use for it.

To most people, perhaps, the lure of money seems to be a natural phenomenon. They have become so indoctrinated with the idea that having money is important that they no longer question why. They are unaware that perhaps what they are truly seeking is an increase in self-respect, or security, or freedom, or love or power. While they may not be aware of what it is they truly want from life, they feel sure that money will provide it for them.

- 96 Why did the couple on unemployment feed a runaway teenager?
(A) Because the couple were unemployed.
(B) Because the teenager ran away from home.
(C) Because an elderly woman was mugged and beaten by two youths.
(D) Because the couple were relatively richer than he was.
- 97 Why are most people lured by money?
(A) Because they never thought much about money.
(B) Because they intend to be destroyed.
(C) Because they think that money can provide what they are seeking in life.
(D) Because they have self-respect.
- 98 What is the primary purpose in life for compulsive gamblers?
(A) To bring a smile to the lips of millions of readers.
(B) To save money.
(C) To bet money.
(D) To earn a living.
- 99 What is the motivation for compulsive bargain hunters to buy things?
(A) To buy things which are useless.
(B) To save money.
(C) To spend as much as they can.
(D) To compete with gamblers.
- 100 Why do compulsive bargain buyers buy potato peelers by the dozen?
(A) Because they need them.
(B) Because they have to drive miles out of their way.
(C) Because they think that it's a bargain.
(D) Because potato peelers are useful.