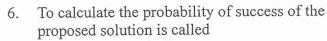選擇題 50 題每題 2 分

1. 以下何者沒有 two-sided market 的特徵？
   (A) Groupon
   (B) Facebook and its application
   (C) iPhone and its application
   (D) Yahoo.com
   (E) 以上都有

2. 以下何者關於知識管理的敘述是對的？
   (A) 在一般的知識管理中，知識可以分為 tacit knowledge and explicit knowledge。
   (B) 創新通常靠的是 explicit knowledge。
   (C) 知識管理主要的任務是如何取得 explicit knowledge。
   (D) 解決知識管理瓶頸的主要方法是設置 repository。
   (E) 知識管理可以運用現代科技徹底處理。

3. Which IT acquisition method should be considered only for specialized applications for which components are not available?
   (A) Build from scratch.
   (B) Build from components.
   (C) Buy.
   (D) Lease.
   (E) Cloud computing.

4. One of the most important tasks of managers is making decisions. IT changes the manner in which many decisions are made, except.
   (A) Less reliance on experts to provide support to top executives.
   (B) Empowerment of lower and middle levels of management.
   (C) Thicker organizations.
   (D) Decision making undertaken by non-managerial employees.
   (E) Power redistribution among managers

5. One method of estimating project time is to use industry standard factors for each project phase. With this method, if the planning phase typically takes 15% of total project time, and a particular project requires three months for planning, then the remainder of the project will require _____.
   (A) 15 months
   (B) 20 months
   (C) 3.5 months
   (D) 4.5 months
   (E) 3 months

6. To calculate the probability of success of the proposed solution is called
   (A) Systems analysis.
   (B) Systems design.
   (C) Feasibility studies.
   (D) Prototyping.
   (E) Projecting.

7. Transformation of data into scrambled code prior to its transaction is called
   (A) Encryption.
   (B) Decryption.
   (C) Electronic transformation.
   (D) Backup.
   (E) Rollover.

8. Which one is not difficulty in protecting information resources?
   (A) Hundreds of potential threats exist, and they keep changing.
   (B) Computing resources may be situated in a repository.
   (C) Many individuals own or control information assets.
   (D) Computer networks can be outside the organization and difficult to protect.
   (E) People tend to violate security procedures because the procedures are inconvenient.

9. Which description about 'Big Data' is incorrect?
   (A) Business Intelligence uses descriptive statistics with big data with high information density to measure things, detect trends etc.
   (B) They include data sets with sizes beyond the ability of commonly used software tools to capture, curate, manage, and process the data within a tolerable elapsed time.
   (C) They are large collections of data.
   (D) The text and images of Wikipedia cannot be an example of big data.
   (E) The transaction records of Amazon.com or PC home are an example of big data.

10. Which order about SDLC is correct?
    (A) Implementation – operation – post-audit evaluation – maintenance
    (B) Maintenance – operation – implementation – post-audit evaluation
    (C) Implementation – operation – maintenance – post-audit evaluation
    (D) Implementation – maintenance – operation – post-audit evaluation
    (E) Implementation – maintenance – post-audit evaluation – operation

注意：背面有試題

11. Which one is not a criterion for determining which application development approach to use?
(A) Scaling.
(B) Sizing requirements.
(C) Performance requirements.
(D) The functionalities of packages.
(E) Ad hoc requirement.

12. An illegal program, contained within another program, that 'sleeps' until some specific event occurs, then triggers the illegal program to be activated and cause damage is called
(A) Virus.
(B) Trojan horse.
(C) Salami slicing.
(D) Trap door.
(E) Back doors.

13. Which is the most appropriate criterion for choosing a software application package?
(A) Usability and reusability.
(B) Upgrade policy and cost.
(C) Vendor's reputation.
(D) System flexibility.
(E) All of the above.

14. Which one is not used in authentication?
(A) Public keys
(B) Tokens
(C) Biometrics
(D) Firewalls
(E) Username/password

15. 以下哪一項，和系統安全管理無關
(A) 稽核軌跡
(B) 復原計畫
(C) 人員管制
(D) BS7799/ISO27001
(E) ISO9000

16. 關於系統思考（systems thinking），下列何者敘述為非？
(A) 系統是一個整體，由兩個以上的元素組成，分割後便無效力
(B) 此整體擁有一個以上的命定屬性或功能
(C) 任何情況都能執行命定功能的系統，完全不受環境的影響，稱為封閉系統
(D) 當個別地改進元素的性能時，系統整體的績效就會獲得改善
(E) 企業是一個系統，其中某些元素是不可或缺的，某些元素則可有可無

17. Which of the following refers to the cloud providing the computing hardware to the firm as a remote service?
(A) Computing as a service (CaaS)
(B) Utility as a service (UaaS)
(C) Software as a service (SaaS)
(D) Platform as a service (PasS)
(E) Infrastructure as a service (IaaS)

18. Economic platforms having two distinct user groups that provide each other with network benefits are called
(A) Two-layered structure.
(B) Two-sided market.
(C) Two-sided architecture.
(D) Two-layered market.
(E) Two-term continuum

19. Understanding the as-is system, identifying improvements, and developing requirements for the to-be system are the steps of the system _____ phase.
(A) analysis
(B) design
(C) implementation
(D) planning
(E) installation

20. Which of the following statements is false?
(A) The phenomenal growth of video sharing websites such as YouTube is an example of how Moore's Law can impact the business environment.
(B) Because of Moore's Law, the cost of data communications is essentially zero.
(C) Because of Moore's Law, any routine skill can be outsourced.
(D) "The number of transistors per square inch on an integrated chip doubles every 18 months." This observation is known as Moore's Law
(E) As a result of Moore's Law, software prices have come down dramatically

21. _____ are useful when the team needs to meet on some topic, but not everyone can meet at the same time.
(A) Blogs
(B) Discussion forums
(C) Wikis
(D) Team surveys
(E) Multiparty text chat

注意：背面有試題

22. Which of the following strategies is also called establishing high switching costs?
    (A) establishing alliances
    (B) differentiating a product
    (C) reducing costs
    (D) locking in customers
    (E) establishment of standards

23. Which description about 'Cloud Computing' is incorrect?
    (A) It involve a large number of computers connected through a real-time communication network.
    (B) It is a new concept develop after 2000.
    (C) It is distributed computing over a network.
    (D) It also refers to its use in marketing to sell hosted services in the sense of application service provisioning that run client server software on a remote location.
    (E) It relies on sharing of resources to achieve coherence and economies of scale over a network.

24. Which of the following statements about open source is true?
    (A) The term open source means that the source code of the program is available to the public.
    (B) Open source succeeds because of collaboration.
    (C) Programmers alter or add to this code depending on their interests and goals.
    (D) Programmers may be able to resell those projects depending on the type of license agreement the project uses.
    (E) all of the above.

25. In a relational database, a relation is a
    (A) Relationship
    (B) Table
    (C) Entity
    (D) Repository
    (E) File

26. The process of making a computer program work in a second language is called
    (A) differentiating
    (B) stringing
    (C) localizing
    (D) optimizing
    (E) organizing

27. Which of the following statements regarding Google Drive is true?
    (A) Google tracks document revisions, with brief summaries of changes made.
    (B) A Google account is not essential to edit Google Docs.
    (C) A Google account is the same as a Yahoo account.
    (D) Microsoft Excel documents cannot be uploaded to Google Drive.
    (E) Google Drive is a technology used to place content on a shared file server in a company.

28. Thomas Friedman's declaration that the world was now "flat" meant that
    (A) global capitalism is homogenizing culture and business practices throughout the world.
    (B) the Internet has reduced the economic advantages of developed countries.
    (C) globalization is starting to offer less advantage to large corporations.
    (D) the global economy is increasingly commanded by fewer and larger corporations.
    (E) all of the above

29. For business intelligence results to have value, they must
    (A) publish the information to the right user at the right time.
    (B) discover patterns and relationships in data to predict future outcomes.
    (C) foster innovation and improve customer service.
    (D) encode, save, and process expert knowledge.
    (E) all of the above

30. 下列資訊系統導入社會的過程中，何者沒有產生個資保護及運用的問題？
    (A) 高速公路 ETC 電子收費
    (B) 電子發票
    (C) 全國醫療資訊網 HIN
    (D) 公車動態資訊系統
    (E) 電子申報繳稅系統

31. 最近遠通 eTag 出錯，可能有下列問題，除了…
    (A) 沒有進行足夠的壓力測試
    (B) 隨機錯誤
    (C) 選用了不正確的開發工具
    (D) RFID 感測器的功率設定得太大，造成誤判
    (E) App 的程式有瑕疵

參考用

注意：背面有試題

32. 以下有關 EIS 的陳述，何者不正確？
    (A) 是一種提供資訊幫助主管進行決策的系統
    (B) 可以執行主管的決策
    (C) 經常會使用圖形介面
    (D) 所分析的資料，通常包含外部資料
    (E) 可以是環境掃瞄的工具

33. ERP 主要是一種
    (A) 交易處理系統
    (B) 決策支援系統
    (C) 主管資訊系統
    (D) 資料分析系統
    (E) 線上分析系統

34. 以下哪一項和系統分析無關？
    (A) Java Script
    (B) Entity Relationship Diagram
    (C) CASE
    (D) Data Flow Diagram
    (E) UML

35. 以下哪一種系統不會在網際網路環境上進行？
    (A) 銀行自動提款
    (B) 房屋公告現值
    (C) 道路監控系統
    (D) 高鐵售票系統
    (E) 病歷跨院交換

36. 以下哪一項不是整體委外的好處？
    (A) 打通人員升遷管道
    (B) 設備管理的經濟規模
    (C) 需要有複雜的服務水準協議
    (D) 更能配合新技術的演進
    (E) 整體成本可能會比較低

37. 以下有關 SQL 的陳述，何者不正確？
    (A) 是關連式資料庫的查詢語言
    (B) 是一種非程序語言
    (C) 可以在 C, COBOL 等程式中呼叫
    (D) 可以有迴圈式 (nested) 的使用
    (E) 是專門用於網際網路上的資料庫查詢工具

38. 以下哪一項不是重要的變革抗拒對策？
    (A) 尋求主管支持
    (B) 確保系統品質
    (C) 事先進行溝通
    (D) 使用正確的專案管理流程
    (E) 改變用戶期望

39. 哪一項針對商用套裝軟體的陳述不正確？
    (A) 套裝軟體生命週期成本比較低
    (B) 每一家企業都有其獨特性，企業運作不適合採用套裝軟體
    (C) 套裝軟體的開發，測試比程式撰寫花費資源較多
    (D) SAP 是一種銷售量很大的套裝軟體
    (E) 許多商業軟體，可移到雲端以 SaaS 型態銷售

40. 以下哪一項不是重要的可行性分析項目？
    (A) 經濟可行性
    (B) 法規可行性
    (C) 技術可行性
    (D) 用戶介面可行性
    (E) 時程可行性

41. 以下哪一項陳述和決策支援系統無關？
    (A) 試算
    (B) 模擬
    (C) 數學決策模型
    (D) 圖像介面
    (E) 模糊理論

42. 以下哪一項陳述和「資訊超載」有關？
    (A) 網路頻寬不足時，資訊流通受到限制
    (B) 人腦處理外部刺激，有一個限制
    (C) 硬碟在超過其容量時會有錯誤信息
    (D) 路由器連接太多終端設備，會產生錯誤
    (E) 電腦列印到雷射印表機時，過多資料會無法列印

43. 以下哪一項不是當前電腦終端設備的發展特點
    (A) 移動裝置（智慧型手機、平板電腦）銷售超越筆記型電腦
    (B) 觸控成為主流的人機介面技術
    (C) 未來大多數裝置都能讀取二維條碼
    (D) 未來智慧型移動裝置以娛樂為主
    (E) Android 已經是目前銷售最多的作業系統

44. The phenomenon in which the variability in the size and timing of orders increases at each stage of the supply chain is known as the _____ effect.
    (A) accelerator
    (B) butterfly
    (C) bullwhip
    (D) rainbow
    (E) Lock-in

注意：背面有試題

參考用

45. 網際網路和大型主機專屬網路來比較，何者不正確？
    (A) 網際網路擴充性較高
    (B) 網際網路比較容易增加新的節點
    (C) 網際網路加解密技術成熟，安全性比較高
    (D) 網際網路可已經由電話線路傳輸信號
    (E) 網際網路會完全取代專屬網路

46. Mark recently received an email from what appeared to be a legitimate company, asking him to update and verify his credit card details. Unknowingly, he obliged and later realized that the information had been misused. It is a victim of
    (A) hacking
    (B) phishing
    (C) pretexting
    (D) sniffing
    (E) spoofing

47. Netflix's public announcement of a reward for a technology solution to its movie recommendation system is an example of
    (A) long-tail marketing.
    (B) crowdfunding.
    (C) crowdsourcing.
    (D) behavioral targeting.
    (E) prediction markets.

48. 類似悠遊卡的 RFID 卡用途一般不包含
    (A) 儲存票證
    (B) 在便利商店小額支付消費
    (C) 在家用電腦上進行第三方支付
    (D) 門禁管制
    (E) 身份辨識

49. 以下哪一項有關系統發展生命週期的陳述不正確？
    (A) 系統在草創期，應該有低度控制
    (B) 在快速發展期，成本會大幅提高
    (C) 在發展期後，一般而言，控制會增加
    (D) 成熟期之後，系統就會長期進入穩定使用期
    (E) 不同階段的管理手段應該不一樣

50. 以下哪一種組織型態，比較適合快速的資訊系統開發專案？
    (A) 矩陣式組織
    (B) 階層式組織
    (C) 功能性組織
    (D) 專業型組織
    (E) 以上皆非

參考用