鹹 : 246 國立成功大學 107 學年度碩士班招生考試試題

系 所:會計學系

考試科目:管理資訊系統

第1頁,共3頁

考試日期:0206, 節次:3

- ※ 考生請注意:本試題不可使用計算機。 請於答案卷(卡)作答,於本試題紙上作答者,不予計分。
- 一、選擇題 (60 分, 每題 4 分)
- 1. The concern that data values of an information source fall within a defined range reflects which quality dimension of information?
 - (A) consistency
 - (B) accuracy
 - (C) validity
 - (D) integrity
- 2. Which types of decisions are automated for high-velocity decision making?
 - (A) unstructured financial decisions
 - (B) highly-structured decisions
 - (C) semi-structured financial decisions
 - (D) all of the above
- 3. Which of the following statements best describes the term business intelligence?
 - (A) the tools and techniques used to analyze and understand business data
 - (B) the infrastructure for collecting and managing business data
 - (C) software developed exclusively for business management
 - (D) information systems involved in business decision making
- 4. The management methodology of using a firm's strategy to generate operational targets for the business and measuring progress towards them using the firm's enterprise systems is called
 - (A) the balanced scorecard method
 - (B) benchmarks
 - (C) KPIs
 - (D) BPM
- 5. Which of the following decisions requires knowledge based on collaboration and interaction?
 - (A) How long will it take to manufacture this product?
 - (B) In which geographical locations are our products garnering the most sales?
 - (C) Should we work with outside vendors on new products and services?
 - (D) Which product design is the most efficient for the user in terms of energy use?
- 6. Which of the following statements about trade secrets is not true?
 - (A) Trade secret law protects the actual ideas in a product
 - (B) Trade secret protections vary from state to state
 - (C) Software that contains unique elements can be claimed as a trade secret
 - (D) Any intellectual product, regardless of its purpose, can be classified as a trade secret
- 7. Which model can be used to analyze the direct and indirect costs to help firms determine the actual cost of specific technology implementations?

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- (A) total cost of ownership
- (B) cost-benefit analysis
- (C) breakeven point
- (D) return on investment
- 8. The Sarbanes-Oxley Act
 - (A) imposes responsibility on companies and management to safeguard the accuracy of financial information
 - (B) requires financial institutions to ensure the security of customer data
 - (C) outlines medical security and privacy rules.
 - (D) specifies best practices in information systems security and control
- 9. Which of the following is not true about enterprise systems?
 - (A) Enterprise systems help firms respond rapidly to customer requests for information or products.
 - (B) Enterprise software includes analytical tools to evaluate overall organizational performance
 - (C) Enterprise software is expressly built to allow companies to mimic their unique business practices
 - (D) Enterprise system data have standardized definitions and formats that are accepted by the entire organization.
- 10. Which of the following best describes why small world theory is important to e-commerce?
 - (A) Global products create a global community
 - (B) You do not need to attract a large consumer base to become profitable
 - (C) The products bought online by one individual will influence purchases by others.
 - (D) The greater the number of people using your product, the more valuable it becomes
- 11. Which of the following best illustrates the sales revenue model?
 - (A) eBay receives a small fee from a seller if a seller is successful in selling an item.
 - (B) Apple accepts micropayments for single music track downloads.
 - (C) Epinions receives a fee after steering a customer to a participating Web site where he or she makes a purchase
 - (D) Flickr provides basic services for free, but charges a premium for advanced services.
- 12. 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) crowdsourcing
 - (C) behavioral targeting.
 - (D) prediction markets
- 13. Which of the following describes a difference between neural networks and genetic algorithms?
 - (A) Neural networks are programmed to "learn."
 - (B) Genetic algorithms are a type of knowledge discovery, while neural networks are an intelligent technique

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- (C) Genetic algorithms are designed to process large amounts of information
- (D) all of the above
- 14. Which of the following statements best describes the effect that project structure has on overall project risk?
 - (A) Highly structured projects tend to be larger, affecting more organizational units, and run both the risk of out-of-control costs and becoming too difficult to control.
 - (B) Highly structured projects are more complex, and run a higher risk of programmers and users misunderstanding the ultimate goals.
 - (C) Less structured projects are more able to be quickly developed, tested, and implemented using cutting-edge RAD and JAD development techniques, and pose less risk of running up unforeseen costs
 - (D) Projects with relatively undefined goals are more likely to be subjected to users changing requirements and to run a higher risk of not satisfying project goals
- 15. Which of the following is not a characteristic of AI technologies worth investing in?
 - (A) Eliminate dull tasks
 - (B) Focus diffuse problems
 - (C) Distribute data
 - (D) Solve static data

二、問答題 (40 分)

- 1. How does the use of electronic voting machines act as a "double-edged sword?" (6%) What moral dimensions are raised by this use of information technology? (6%)
- 2. Define a fault-tolerant computer system and a high-availability computer system. (6%) How do they differ? (6%)
- 3. Please explain the following terms:
 - (A) Network neutrality (2%)
 - (B) Industry 4.0 (2%)
 - (C) KRACK (key reinstallation attacks) (2%)
 - (D) Reinforcement Learning (2%)
 - (E) Blockchain (2%)
 - (F) IoT (Internet of Things) (2%)
 - (G) Digital certificate (2%)
 - (H) FinTech (Financial Technology) (2%)