

# 西安电子科技大学

考试时间 120 分钟



## 试 题

题号	一	二	三			总分
分数						

1.考试形式：闭卷； 2.考试日期：2022 年 月 日； 3.本试卷共 3 大题，满分 100 分。

班级\_\_\_\_\_ 学号\_\_\_\_\_ 姓名\_\_\_\_\_ 任课教师\_\_\_\_\_

NOTE: Write all answers on the answer sheet.

### Q.1: Multiple Choice. (20points)

1.Which of the following is a graphical network model used to depict the interdependencies between a project's tasks?

- A. PERT chart      B. Bar chart      C. Line chart      D. Gantt chart

2. What models the life cycle of a single object?

- A. activity diagram      B. temporal diagram  
C. statechart diagram      D. event diagram

3. Which of the following could be modeled as an external agent on a DFD modeling a payroll system?

- A. A bank receiving a tape of payroll entries for direct deposit.  
B. A programmer writing software code for the system  
C. An operations engineering mounting a tape on a tape drive.  
D. A DBA tuning the payroll database

4. This type of object contains business-related information that is typically persistent and stored to a database. It is an:

- A. temporal object      B. entity object      C. control object      D. interface object

5. A systems design approach that utilizes structured, prototyping, and JAD techniques to quickly develop systems is known as:

- A. information engineering      B. accelerated application development  
C. model-driven design      D. rapid application development

6. Which of the following is **not** a Transaction Processing System?

- A. Order Processing      B. POS (Point Of Sales) system  
C. Sales reporting      D. Airline reservations

7. Structured design is considered what type of technique?

- A. Process-oriented technique      B. Data-oriented technique  
C. Object-oriented technique      D. RAD

8. \_\_\_\_\_ is the process of scooping, planning, staffing, organizing, directing, and

controlling a project to develop an information system.

- A. Process management
  - B. Requirements management
  - C. Project management
  - D. System management
9. Which of the following is a tool that can be used to specify application architecture?
- A. architecture design diagram
  - B. physical data flow diagram
  - C. structure chart
  - D. physical data model diagram
10. A system in which components are distributed across multiple locations and computer network is called a(n):
- A. networked system
  - B. legacy system
  - C. multi-tiered system
  - D. distributed system
11. Which of the following reports are external outputs that reenter the system as inputs?
- A. turnaround
  - B. detailed
  - C. summary
  - D. exception
12. Which of the following is **not** a common user interface problem?
- A. excessive use of computer jargon
  - B. less than intuitive design
  - C. interface design is consistent
  - D. inability to distinguish between alternative actions
13. Those things that an object can do and that correspond to functions that act on the object's data (or attributes) is known as a(n):
- A. actor
  - B. class
  - C. action
  - D. behavior
14. Costs that occur at regular intervals and known rates are known as \_\_\_\_.
- A. variable
  - B. fixed
  - C. intangible
  - D. tangible
- 15 According to PIECE framework, "Accessing to the system or information must be controlled." belongs to \_\_\_\_ requirements.
- A. Performance
  - B. Information
  - C. Control
  - D. Service
16. Input format checks \_\_\_\_.
- A. ensure that the correct type of data is input.
  - B. compare data entered against the known formatting requirements for that data.
  - C. determine whether a known relationship between two fields is valid.
  - D. determine data entry errors on primary keys.
17. \_\_\_\_ diagrams graphically depict the interactions between the system and external systems and users.
- A. Use case
  - B. Class
  - C. Object
  - D. Sequence
18. Which of the following individuals are mainly concerned with the costs and benefits of an information system?
- A. A system user
  - B. A system analyst
  - C. A system owner
  - D. A system designer
19. Which of the following is not a criteria for evaluating candidate feasibility?
- A. system feasibility
  - B. operational feasibility
  - C. schedule feasibility
  - D. economic feasibility
20. The goal of the system analyst is to define system requirements that meet the following



number of landlords are kept. When new properties are added to the system they are allocated a unique identifying number and details are taken of the address, type of property (for example, flat, terraced (有阳台的) house, detached house (独立式住宅)), the maximum number of tenants (房客) it is suitable for and amount of the rent. Landlords are charged a fee for each property that is added to the system.

Students seeking accommodation have to register with the Service providing their name, current address, telephone number, their date of birth and gender (性别). Once registered, a student can be provided with a list of available properties. If a student makes a request to review (查看) a property the Service arranges a viewing with the landlord. Details are kept of each viewing that is arranged including the date on which it took place and which student or students were involved (friends often seek accommodation together).

Landlords notify the Service when a property is no longer available for rent and when a property is once again available. In both cases the Service updates the property file so that students seeking accommodation can be given an accurate list.