

软件工程期末测试

1 单选 (5分) Which of the following statements about computer science and software engineering is correct? 得分/总分

关于计算机科学和软件工程的以下语句哪个是正确的？

- ☒ A. The relationship between Computer Science and Software Engineering is just like the one between Chemistry and Chemical Engineering. ✓5.00/5.00
- ☐ B. Computer scientists and software engineers care about the same thing.
- ☐ C. Software engineers always try to find all kinds of solutions for the target software system.
- ☐ D. Computer scientists' job is to find the most suitable solution for software system.

2 单选 (5分) Which of the following statements about software is true? 得分/总分

以下哪个关于软件的描述是正确的？

- ☐ A. Software is something mysterious mastered by some geniuses.
- ☐ B. The faults in a software system are due to wearing out.
- ☒ C. Software is portable. ✓5.00/5.00
- ☐ D. Software is a kind of concrete physical entity.

3 单选 (5分) _____ is a discipline whose aim is the production of fault-free software, delivered on time and within budget, that satisfies the client's needs. 得分/总分

_____是一个学科，其目标是生产出满足客户的需求的、未超出预算的、按时交付的、没有错误的软件。

- ☒ A. Software engineering ✓5.00/5.00
- ☐ B. Software testing
- ☐ C. Software process
- ☐ D. Computer science

4 单选 (5分) Software engineers shall act consistently with the _____ interest. 得分/总分

软件工程师应该始终如一地为_____的利益行事。

- ☐ A. friends
- ☐ B. government
- ☒ C. public ✓5.00/5.00
- ☐ D. family

- 5 单选 (5分) Which of the following is not software? 得分/总分
以下哪项不是软件?
- ☐ A. Sales records in the database of an online shop system.
 - ☒ B. Mobile phone. ✓5.00/5.00
 - ☐ C. Software project management plan.
 - ☐ D. Computer game.
- 6 单选 (5分) The series of phases that software undergoes, from concept exploration to final retirement, is termed its _____. 得分/总分
软件经历的系列阶段，从概念探索到最终退役，被称为其_____。
- ☐ A. business
 - ☐ B. paradigm
 - ☐ C. logic
 - ☒ D. life cycle or process ✓5.00/5.00
- 7 单选 (5分) Which of the following statements about software development is not correct? 得分/总分
以下关于软件开发的描述哪一个是不正确的?
- ☒ A. If all the developers in the development team are professional enough, project management won't be needed. ✓5.00/5.00
 - ☐ B. A software development team should include kinds of people.
 - ☐ C. The software development is not the mysterious technique of a certain individual labor, but should be the engineering of an organization of all kinds of people.
 - ☐ D. Software development should be a team work.
- 8 单选 (5分) In which of the following phases of software process is it the cheapest to fix a fault? 得分/总分
在以下哪个阶段修复故障最廉价?
- ☐ A. The implementation phase
 - ☐ B. The integration phase
 - ☐ C. The maintenance phase
 - ☒ D. The design phase ✓5.00/5.00

- 9 单选 (5分) Software testing aims to _____. 得分/总分
软件测试旨在_____。
- ☐ A. evaluate the quality of the software
 - ☐ B. cover up the faults in the software system
 - ☐ C. prove the software is right
 - ☒ D. find as many faults as possible in the software system ✓5.00/5.00
- 10 单选 (5分) Software testing _____. 得分/总分
软件测试_____。
- ☐ A. is to test executable code
 - ☐ B. is a phase following implementation phase
 - ☒ C. includes execution-based testing and non-execution based testing. ✓5.00/5.00
 - ☐ D. is just to read code
- 11 单选 (5分) Requirements workflow aims to _____. 得分/总分
需求工作流程旨在_____。
- ☐ A. determine what clients and users want
 - ☐ B. have developers to make friends with users
 - ☐ C. check what clients and users think
 - ☒ D. determine what clients and users really need ✓5.00/5.00
- 12 单选 (5分) In the good design of a software system, modules should have _____. 得分/总分
在设计良好的软件系统中，模块应该有_____。
- ☐ A. high coupling and low cohesion
 - ☐ B. low coupling and low cohesion
 - ☐ C. high coupling and high cohesion
 - ☒ D. low coupling and high cohesion ✓5.00/5.00
- 13 单选 (5分) _____ is to encapsulate the attributes and operations in an object, and hides the internal details of an object as possible. 得分/总分
_____是指封装一个对象中的属性和操作，并尽可能隐藏对象的内部细节。
- ☐ A. Message
 - ☐ B. Polymorphism
 - ☐ C. Inheritance
 - ☒ D. Data encapsulation ✓5.00/5.00

14 单选 (5分) The relationship between a super-class and subclasses is called 得分/总分

_____.
超类和子类之间的关系称为_____。

- ☐ A. association
- ☒ B. inheritance
- ☐ C. aggregation
- ☐ D. composition

✓5.00/5.00

15 单选 (5分) Which of the following statements is true? 得分/总分

下列哪个描述是正确的?

- ☐ A. An arm is a part of a HumanBeing, so it is a subclass of class HumanBeing.
- ☐ B. Course "Software Engineering" is a subclass of class "Course".
- ☒ C. Inheritance may cause trouble for developers if it is not used properly.
- ☐ D. A class must have both attributes and methods.

✓5.00/5.00

16 单选 (5分) _____ describes functionality of the software to be constructed, 得分/总分

the core of which is to describe the interaction between the actor and the system, but not the internal activity of the system.

_____描述了要构建的软件系统的功能，其核心是描述参与者和系统之间的交互，而不是系统的内部活动。

- ☐ A. Class diagram
- ☐ B. State diagram
- ☐ C. Collaboration diagram
- ☒ D. Use case diagram

✓5.00/5.00

17 单选 (5分) Which of the following is not a task of detailed design? 得分/总分

以下哪项不是详细设计的任务?

- ☐ A. Data structure & algorithm design.
- ☐ B. Database design.
- ☒ C. Architecture design.
- ☐ D. User interface design.

✓5.00/5.00

18 单选 (5分) Which of the following is the last to be considered when choosing a programming language for a target software system? 得分/总分
在为目标软件系统选择编程语言时，以下哪项是最后考虑的因素？

- ☐ A. cost
- ☒ B. personal preference ✓5.00/5.00
- ☐ C. product efficiency
- ☐ D. application domain

19 单选 (5分) Which of the following statement about maintenance are not true? 得分/总分
以下哪个关于维护的叙述不正确？

- ☒ A. Maintenance programmers should have superb cheating ability. ✓5.00/5.00
- ☐ B. Maintenance programmers should have superb testing ability.
- ☐ C. Maintenance programmers should have superb communication ability.
- ☐ D. Maintenance programmers should have superb diagnostic ability.

20 单选 (5分) Which software lifecycle model is suitable for only large-scale or in-house project? 得分/总分
以下哪个软件生命周期模型只适合大规模或内部项目？

- ☐ A. Incremental model
- ☐ B. Rapid prototype model
- ☐ C. Waterfall model
- ☒ D. Spiral model ✓5.00/5.00