

FIT9132 Introduction to databases - S1 2022

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Started on Saturday, 12 March 2022, 12:49 PM

State Finished

Completed on Saturday, 12 March 2022, 1:38 PM

Time taken 48 mins 17 secs

Marks 13.67/14.00

Grade 9.76 out of 10.00 (98%)

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Question 1

Correct

Mark 1.00 out of 1.00

If an entity can exist apart from all of its related entities, then it is existence-independent, and it is referred to as a(n) _____ entity.

Select one:

- ☐ a. weak
- ☐ b. unary
- ☐ c. alone
- ☒ d. strong

✓ Correct

The correct answer is: strong

Question 2

Correct

Mark 1.00 out of 1.00

A relationship is an association between _____.

Select one:

- ☐ a. databases
- ☐ b. fields
- ☐ c. objects
- ☒ d. entities

✓ Correct

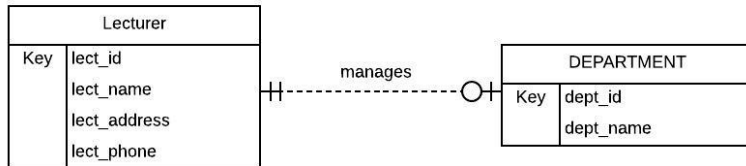


The correct answer is: entities

Question 3

Correct

Mark 1.00 out of 1.00



According to the above diagram, how many departments may be managed by a lecturer?

Select one or more:

- ☒ a. one
- ☐ b. many
- ☒ c. zero
- ☐ d. none



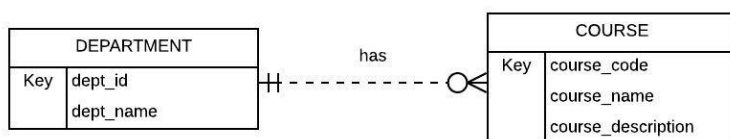
Your answer is correct.

The correct answers are: one, zero

Question 4

Correct

Mark 1.00 out of 1.00



According to the above diagram, a COURSE belongs to ____ DEPARTMENT(s)

Select one:

- ☐ a. many
- ☒ b. one
- ☐ c. zero or one
- ☐ d. one or many



Your answer is correct.

The correct answer is: one



Question 5

Correct

Mark 1.00 out of 1.00



According to the above diagram. COURSE_OFFERING has a key that is partially derived from COURSE in the relationship. This entity is known as ____ entity.

Select one:

- ☐ a. business
- ☐ b. strong
- ☒ c. weak
- ☐ d. child

✓ Correct

The correct answer is: weak

Question 6

Correct

Mark 1.00 out of 1.00

A(n) _____ is the set of possible values for a given attribute.

Select one:

- ☐ a. range
- ☒ b. domain
- ☐ c. identifier
- ☐ d. key

✓ Correct

The correct answer is: domain

Question 7

Correct

Mark 1.00 out of 1.00

The entity relationship diagram (ERD) represents the _____ database as viewed by the end user.

Select one:

- ☐ a. condensed
- ☐ b. physical
- ☒ c. conceptual
- ☐ d. logical

✓ Correct



☐ d. logical

The correct answer is: conceptual

Question 8

Partially correct

Mark 0.67 out of 1.00

Lecturer	
Key	lect_id lect_name lect_address lect_phone

According to the above diagram, which attribute(s) could be the composite attribute(s)?

Select one or more:

- ☐ a. lect_name
- ☒ b. lect_address
- ☒ c. lect_phone
- ☐ d. lect_id



Your answer is partially correct.

You have correctly selected 2.

The correct answers are: lect_name, lect_address, lect_phone

Question 9

Correct

Mark 1.00 out of 1.00

The entity relationship model uses the associative entity to represent a(n) _____ relationship between two or more entities.

Select one:

- ☐ a. M:1
- ☐ b. 1:M
- ☒ c. M:N
- ☐ d. N:1

✓ Correct

The correct answer is: M:N

Question 10

Correct

Mark 1.00 out of 1.00



A _____ attribute is one that cannot be subdivided.

Select one:

- ☐ a. single-valued
- ☐ b. composite
- ☐ c. multivalued
- ☒ d. simple

✓ Correct

The correct answer is: simple

Question 11

Correct

Mark 1.00 out of 1.00



According to the above diagram, a new department may NOT have a manager yet. True or False?

Select one:

- ☐ True
- ☒ False ✓

The correct answer is 'False'.

Question 12

Correct

Mark 1.00 out of 1.00

A _____ attribute can be further subdivided to yield additional attributes.

Select one:

- ☒ a. composite
- ☐ b. simple
- ☐ c. multivalued
- ☐ d. single-valued

✓ Correct

The correct answer is: composite

Question 13



A ____ relationship exists when an association is maintained within a single entity.

Select one:

- ☒ a. unary
- ☐ b. ternary
- ☐ c. strong
- ☐ d. weak

✓ Correct

The correct answer is: unary

Question 14

Correct

Mark 1.00 out of 1.00



According to above diagram. The relationship between COURSE and COURSE_OFFERING is a(n) ____ relationship.

Select one:

- ☐ a. non-identifying
- ☒ b. identifying
- ☐ c. child
- ☐ d. parent

✓

Your answer is correct.

The correct answer is: identifying

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