

FACS/008
21/11/16

QP CODE : 757402

(2 ½ Hours)

[Total Marks: 75]

- N.B.
- 1) All questions are compulsory.
 - 2) Figures to the right indicate marks.
 - 3) Illustrations, in-depth answers and diagrams will be appreciated.
 - 4) Mixing of sub-questions is not allowed.

Q.1 Attempt All (Each of 5Marks)

(15M)

(a) Multiple Choice Questions

- i. FLOSS stands for _____
 - a. Free Libre Open Source Software
 - b. Free Least Open Source Software
 - c. Fixed Libre Open Source Software
 - d. Freedom Level Open Source Software)
- ii. OSI stands for _____
 - a. open system interchange
 - b. open source initiative
 - c. open source interchange
 - d. open system interconnection)
- iii. LGPL stands for _____
 - a. Library General Public License
 - b. Lesser General Public License
 - c. Level General Public License
 - d. Linking General Public License
- iv. Most commercial software programs enjoy a form of intellectual property protection called _____
 - a. Copyright
 - b. Patent
 - c. Copyleft
 - d. Trademark
- v. _____ is an example of closed source software.
 - a. Python
 - b. Joomla
 - c. MySQL
 - d. Microsoft Office

(b) Fill in the blanks

- i. _____ refers to any program whose source code is made available for use or modification as users or other developers see fit.
- ii. FSF founded by _____.
- iii. _____ is one of the content management systems.
- iv. VMware is a _____ software.
- v. _____ is one of the Desktop-dedicated open source operating system.

(c) Short answer (Attempt all)

- i. Public Domain Software
- ii. Copyleft
- iii. GCC and GDB
- iv. Shared Software
- v. Communication and Etiquette

{TURN OVER

(2 ½ Hours)

[Total Marks: 75]

- N.B.
- 1) All questions are compulsory.
 - 2) Figures to the right indicate marks.
 - 3) Illustrations, in-depth answers and diagrams will be appreciated.
 - 4) Mixing of sub-questions is not allowed.
 - 5) Assume suitable data if necessary and state it clearly.

Q.1 Attempt All.

(15M)

(a) Multiple Choice Questions

1. In the _____ normal form, a composite attribute is converted to _____ individual _____ attributes.
A) First B) Second C) Third D) Fourth
2. In an ER model is described in the database by storing its _____ data.
A) Entity
B) Attribute
C) Relationship
D) Notation
3. A is used to define overall design of the database
A. schema
B. application
C. data
D. code
_____ definition _____ program language
4. In a LIKE clause, you can ask for any 6 letter value by writing:
A) LIKE _____ (that's six underscore characters)
B) LIKE (that's six dots)
C) LIKE {6}
D) LIKE ??????
5. Which of the following is part of an administrative policy to secure a database?
A) Authentication policies
B) Limiting particular areas
C) None of the above
D) a and b only

(b) Fill in the blanks.

1. An _____ is a set of entities of the same type that share the same properties, or attributes.
2. Entity is nothing but a _____.
3. Relational Algebra is a _____ query language that takes two relation as input and produces another relation as output of the query.