

Seat No. : _____

JD-130

July-2021

B.C.A., Sem.-VI

SEC-302 : Cloud Computing

Time : 2 Hours]

[Max. Marks : 50

Section – I

Attempt any **two** questions :

1. (A) Explain characteristics and benefits of cloud computing. 10
(B) Explain different cloud computing platforms in detail. 10

2. (A) Explain SISD and MIMD architecture of parallel computing in detail. 10
(B) Explain system architecture style in detail. 10

3. (A) What are the characteristics of virtualized environments ? 10
(B) Explain advantages and disadvantages of virtualization. 10

4. (A) Explain Platform-as-a-Service in detail. 10
(B) Explain community cloud and private cloud. 10

Section – II

5. MCQs any **five** : 10
 - (1) X in XaaS stands for _____ .
(A) Everything (B) Express
(C) Expert (D) Extra
 - (2) Job distribution approach is used in _____ model.
(A) Worker (B) Distributor
(C) Farmer (D) Farmer and worker

- (3) CSPs is termed as
- (A) Cloud service provider (B) Cloud system provider
(C) Cloud service producer (D) Cloud service consumer
- (4) Visualization can be of _____ type.
- (A) storage (B) network
(C) desktop (D) All of the above
- (5) Haas is also known as _____.
- (A) IaaS (B) PaaS
(C) XaaS (D) SaaS
- (6) _____ is the most refined and restrictive service model.
- (A) IaaS (B) CaaS
(C) PaaS (D) SaaS
- (7) _____ cloud is shared between organizations with a common goal.
- (A) Public cloud (B) Private cloud
(C) Community Cloud (D) Hybrid Cloud
- (8) API stands for _____.
- (A) Admin programming interface
(B) Application programming interface
(C) Auto programming interface
(D) None of the above
- (9) Which of the following is the most important area of concern in cloud computing ?
- (A) Security (B) Storage
(C) Scalability (D) None of the above
- (10) "Cloud" in cloud computing represents what ?
- (A) Internet (B) Wireless
(C) Hard drive (D) People
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JD-130

July-2021

B.C.A., Sem.-VI

SEC-302 : Advance Java

(New)

Time : 2 Hours]

[Max. Marks : 50

- Instructions :**
- (1) All Questions in Section – I carry equal marks.
 - (2) Attempt any **two** questions in Section – I.
 - (3) Question – **5** in Section – II is Compulsory.

SECTION – I

1. (A) Explain RandomAccessFile class with its use, constructors and methods. **10**
(B) Explain Reader and Writer class in depth. **10**
2. (A) Explain constructors and methods of JCheckBox class. **10**
(B) Explain Grid Layout and Card Layout in depth. **10**
3. (A) What is Event ? Explain Delegation Event Model in depth. **10**
(B) What is Socket Programming ? Explain ServerSocket class with its constructors and methods. **10**
4. (A) Explain JDBC Drivers in depth. **10**
(B) Explain DriverManager class in depth. **10**

SECTION – II

5. Attempt the following : (Any **Five**) **10**
 - (1) The File method canWrite() returns a(n) _____ value.
 - (a) int
 - (b) object
 - (c) boolean
 - (d) void

- (2) Which of these classes defined in java.io package used for file handling are abstract ?
- (A) InputStream (B) Reader
(C) FileInputStream (D) FileWriter
(a) Only (A) (b) (A) and (B)
(c) (A), (B) and (C) (d) All
- (3) The two major classes for byte streams are _____.
- (a) Input and Output (b) InputStream and OutputStream
(c) Reader and Writer (d) None
- (4) The constructor JFrame() creates a JFrame that is _____.
- (a) invisible and has no title (b) invisible and has a title
(c) visible and has no title (d) visible and has a title
- (5) There are _____ regions in Border Layout.
- (a) 3 (b) 4
(c) 5 (d) 6
- (6) Which of the following is a valid constructor for creating radio button ?
- (a) JRadioButton(Icon i)
(b) JRadioButton(String str)
(c) JRadioButton(String str, Icon i, boolean state)
(d) All
- (7) The KeyEvent method getKeyCode() returns a(n) _____.
- (a) int (b) char
(c) String (d) void
- (8) Which of these package contains classes and interfaces for networking ?
- (a) java.io (b) java.util
(c) java.net (d) Java.network
- (9) For loading the JDBC-ODBC driver, the _____ method is used.
- (a) getConnection() (b) commit()
(c) forName() (d) openDriver()
- (10) For getting the database result, the _____ object is required.
- (a) Statement (b) ResultSet
(c) Connection (d) Query