

# **NCRD's STERLING INSTITUTE OF MANAGEMENT STUDIES**

*Sample Multiple Choice Questions for Third Year MCA(ATKT) University  
of Mumbai Online Theory Examination  
Academic Year 2019-2020*

**1. Which of the following is not a characteristic of a data warehouse?**

- a) contains historical data
- b) designed for decision support
- c) stores data in normalized tables
- d) promotes data redundancy

**2. A structure designed to store data for decision support.**

- a) operational database
- b) flat file
- c) decision tree
- d) data warehouse

**3. Another name for an output attribute.**

- a) predictive variable
- b) independent variable
- c) estimated variable
- d) dependent variable

**4. Which statement is true about prediction problems?**

- a) The output attribute must be categorical.
- b) The output attribute must be numeric.
- c) The resultant model is designed to determine future outcomes.

d) The resultant model is designed to classify current behavior.

**5. This step of the KDD process model deals with noisy data.**

- a) Creating a target dataset
- b) data preprocessing
- c) data transformation
- d) data mining

**6. Logistic regression is a \_\_\_\_\_ regression technique that is used to model data having a \_\_\_\_\_ outcome.**

- a) linear, numeric
- b) linear, binary
- c) nonlinear, numeric
- d) nonlinear, binary

**7. This supervised learning technique can process both numeric and categorical input attributes.**

- a) linear regression
- b) Bayes classifier
- c) logistic regression
- d) backpropagation learning

**8. Which of the following is a valid declaration of a char?**

- a) `char ch = '\utea';`
- b) `char ca = 'tea';`
- c) `char cr = \u0223;`
- d) `char cc = '\itea';`

**9. What is the return type of the hashCode() method in the Object class?**

- a) Object
- b) int

- c) long
- d) void

**10. Which of the following is a valid long literal?**

- a) ABH8097
- b) L990023
- c) 904423
- d) 0xnf029L

**11. What does the expression `float a = 35 / 0` return?**

- a) 0
- b) Not a Number
- c) Infinity
- d) Run time exception

**12. What will be the output of the following program?**

```
public class Test {  
    public static void main(String[] args) {  
        int count = 1;  
        while (count <= 15) {  
            System.out.println(count % 2 == 1 ? "***" : "+++++");  
            ++count;  
        }  
    }  
}
```

- a) 15 times \*\*\*
- b) 15 times +++++
- c) 8 times \*\*\* and 7 times +++++
- d) Both will print only once

**13. Identify the secondary colors of light.**

- a) Cyan, magenta
- b) Magenta, Yellow
- c) Cyan, Magenta, Yellow
- d) Red, Green, Blue

**14. What are the basic quantities that are used to describe the quality of a chromatic light source?**

- a) Radiance, brightness, and wavelength
- b) Brightness and luminance
- c) Radiance, brightness, and luminance
- d) Luminance and radiance

**15. A binary image contains how many values?**

- a) 2
- b) 5
- c) 6
- d) 1

**16. It is one of the examples of Analog Signals.**

- a) Human Voice
- b) Digital system
- c) both a) and b)
- d) None of the above

**17. \_\_\_\_\_ allows us to control electronic components.**

- a) RETful API
- b) RESTful API
- c) HTTP
- d) MQTT

**18. Which protocol is lightweight?**

- a) MQTT

b) HTTP

c) CoAP

e) SPI

**19. By clicking which key the PubNub will display public, subscribe, and secret keys.**

a) Pane

b) Demo Keypset

c) Portal

d) Network

**20. \_\_\_\_\_ specifies the function that will be called when there is a new message received from the channel.**

a) Reconnect

b) Error

c) Connect

d) Callback