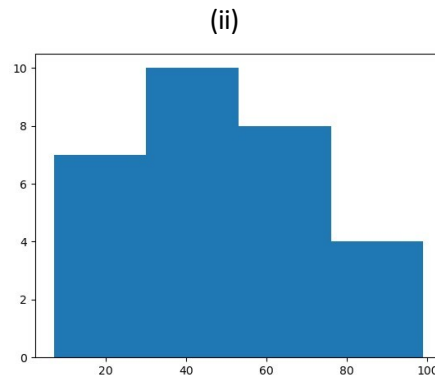
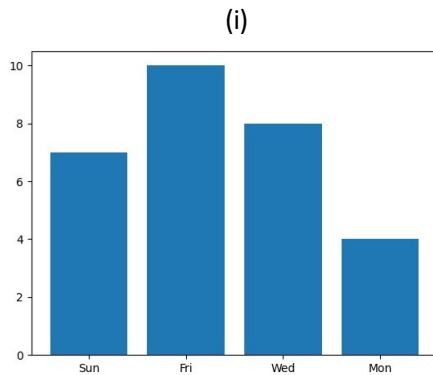


SECTION A

1. From the followings statements which is/are not correct? (1)
- (i) Switch and Hub are network devices and both are used to connect multiple devices
 - (ii) Gateway connects two similar networks
 - (iii) Modem is a network device used for converting protocols
 - (iv) Repeater is used to strengthen weak signals in a network
- Find the correct answer :
- (a) (i) and (iii)
 - (b) (i) , (iii) and (iv)
 - (c) (ii) , (iii) and (iv)
 - (d) **(ii) and (iii)**
2. **AADYA SINGHANIA** of **AGCS, Purulia** abides by some rules, regulations, manners and shows good behavior while working online. Her acts are collectively known as _____. (1)
- (a) Computer Etiquettes
 - (b) Secured Etiquettes
 - (c) Digital Etiquettes
 - (d) **Net Etiquettes**
3. State True or False : (1)
- (i) Plagiarism is known as Academic Theft.
 - (ii) Intellectual Property Rights safeguards your investments made in share market.
- Choose the correct option :
- (a) **(i) True (ii) False**
 - (b) (i) False (ii) True
 - (c) (i) True (ii) True
 - (d) (i) False (ii) False
4. **GORAV DUDHERIA** wants to write equivalent command of the following MySQL command. (1)
- Suggest him the correct one.
- Select ALL Book_Name From Library;
- (a) Select * Book_Name From Library;
 - (b) Select Book_Name(*) From Library;
 - (c) **Select Book_Name From Library;**
 - (d) None of these
5. What will be displayed after the execution of the following command? (1)
- Select TName From Teacher Where TName Like '%D%';
- (a) All names of the teachers which contains D in the end.
 - (b) All names of the teachers which contains D in the middle.
 - (c) All names of the teachers which contains D in the start.
 - (d) **All names of the teachers which contains D anywhere.**

6. Which of the followings is a unique data trace of a user's activities, actions, communications or transactions in the world of internet. (1)
- (a) Internet Footprint
 - (b) Digital Footprint**
 - (c) Digital Record
 - (d) Browser History

7. Identify the type of charts given below : (1)



- (a) (i) Histogram (ii) Bar Chart
 - (b) (i) Bar Chart (ii) Histogram**
 - (c) (i) Bar Chart (ii) Bar Chart
 - (d) (i) Histogram (ii) Histogram
8. Which of the following statements show the correct use of DISTINCT clause? (1)
- (i) Select DISTINCT Name From Student;
 - (ii) Select Name DISTINCT From Student;
 - (iii) Select DISTINCT (Name) From Student;
 - (iv) Select Name = DISTINCT From Student;
- Choose the correct option :
- (a) (ii) , (iii) , (iv)
 - (b) (i) , (iii)**
 - (c) (i) , (ii) , (iv)
 - (d) (ii) , (iii)
9. What will be the output of the given MySQL command? (1)
- SELECT MOD(73.2 , 6) + ROUND(73.623 , 2);
- (a) 73.12
 - (b) 73.62**
 - (c) 73.01
 - (d) 74.01

10. Given an import statement in Python. Find the equivalent statement for the same. (1)
- import matplotlib.pyplot as plt
- (a) from matplotlib import pyplot
 - (b) from matplotlib import pyplot as plt**
 - (c) import pyplot from matplotlib as plt
 - (d) import pyplot as plt from matplotlib

11. What will be the Degree and Cardinality of the given MySQL table?

(1)

Id	Name	Address	Job
E206	RAJOSHEE MUKHERJEE	Kolkata	Doctor
E387	SHREYA BHAGAT	Mumbai	Teacher
E422	ANGANA PALIT	Purulia	Scientist
E641	PRACHI TULSYAN	Indore	Designer
E714	RONIT SINGH	Ambala	Professor

(a) Degree = 4, Cardinality = 6

(b) **Degree = 4, Cardinality = 5**

(c) Degree = 5, Cardinality = 4

(d) Degree = 6, Cardinality = 4

12. HARSHITA JAISWAL has created the following Series object named 'Series' :

(1)

0 567.0

1 194.0

2 NaN

3 206.0

dtype: float64

What will be the output of following statement?

```
print(series.shape , series.size)
```

(a) 4 (4,)

(b) 3 (4,)

(c) **(4,) 4**

(d) (3,) 4

13. Out of the following statements related to E-waste management which is/are correct?

(1)

(i) E-waste can be sold back to its manufacturer

(ii) E-waste can be dumped to the waste dumping grounds

(iii) E-waste can be given to certified E-waste recycler

(iv) E-waste can be donated to NGOs

Select the appropriate option from the followings:

(a) (i) , (ii) and (iv)

(b) (ii) , (iii) and (iv)

(c) **(i) , (iii) and (iv)**

(d) (i) , (ii) and (iii)

14. SRISHTI DHARAMSIKA needs your help to find out the correct statement from the followings :

(1)

(a) A Primary Key is one of the Alternate Key

(b) A Foreign Key is one of the Primary Key

(c) **A Primary Key is one of the Candidate Key**

(d) A Candidate Key is one of the Foreign Key

15. Name the device which is used for connecting multiple networks over different protocols.

(1)

(a) Bridge

(b) Switch

(c) Router

(d) **Gateway**

16. Which of the following software does not comes under FOSS? (1)
- (a) Ubuntu
 - (b) OpenOffice
 - (c) **MS Windows**
 - (d) Python
17. Answer the question based on the Assertion A and Reason R given. (1)
- Assertion** : Web Servers store and secure website data and serve the end user requests.
- Reason** : Web Servers are computers with small memory and limited storage space.
- (a) Both A and R are true and R is the correct explanation of A
 - (b) Both A and R are true but R is not the correct explanation of A
 - (c) **A is true but R is false**
 - (d) A is false but R is true
18. Answer the question based on the Assertion A and Reason R given. (1)
- Assertion** : A bar chart in Python requires values for both x and y axis whereas a histogram requires values for only y axis.
- Reason** : In Python a bar chart plots categorical data whereas a histogram plots quantitative data.
- (a) Both A and R are true and R is the correct explanation of A
 - (b) Both A and R are true but R is not the correct explanation of A
 - (c) A is true but R is false
 - (d) **A is false but R is true**