****Informatics Practices

PRE BOARD EXAMINATION 2021-22

Grade – XII Time Allowed: 90 minutes Maximum Marks: 35

Section – A

Section A consists of 25 questions, attempt any 20 questions.

1. A)
2. b) Vector Operation
3. D) A remixed song
4. B)
5. D) Posting tweets or Facebook posts
6. C) Placing full-text articles on a web page
7. C) pandas\_DataFrame( data, index, columns, dtype)
8. b) print(S1[: : -1]
9. d. All of the above
10. (B) on paying license fee
11. (b) Digital Footprint
12. (c) 1 b1

3 d1

dtype: object

1. (b) Identity Theft
2. (d) remove any private details like mobile number, school, college name, address, photos etc.
3. (c) plt.hist(x, bins = 20, histype = "step")
4. A)
5. A) legends
6. A) marker
7. C) Histogram
8. A) Phishing
9. d) All of the above
10. d) 4
11. D) 2
12. B) df.iloc[7:10,4:7]
13. c) c
14. C) V[:-1]
15. A) E2 36

E3 66

Name: Age, dtype: object

1. B) (3,4)
2. b) D.index=['A','B','C']
3. c) Assertion is True but Reason is False
4. a) Assertion is True & Reason is correct explanation of Assertion
5. a) Both A and R are true and R is the correct explanation of A.
6. c) A is false but R is true.
7. c) A is True but R is false.
8. C. A is false but R is true.
9. a. Both (A) and (R) are True, and (R) is the correct explanation of (A).
10. b) both A and R are true
11. A) Communication etiquette
12. D) Passive digital footprint
13. A) Cyber bully
14. C) His data will never be deleted since it became the digital footprint.
15. C) Copyright
16. A) import matplotlib.pyplot as plt

plt.plot([2,3,6,10],[5,10,15,20])

plt.show()

1. A) import matplotlib.pyplot as pl

a = range(10,60,10)

b = range(1,6)

c = range(5,30,5)

pl.plot(a,b)

pl.plot(a,c)

pl.show()

1. B) R['Year'][(R['Month']=='Jan') &( R['Passengers']>25)]
2. D) R.set\_index('Year', inplace=True)
3. A)
4. D) Item[Item>250]
5. B) (i) and (ii)
6. C) df[['Month','Year']]
7. D) df.drop(['Month','Year'],axis=1)
8. D) R[R."Year"==2010]
9. C) df["kms"]=[55,56,59,90,56]
10. D) df.plot(kind='line', x='Month') plt.show()
11. C) df.plot(kind ='bar', color =['red','orange'], linewidth=4, linestyle=':', edgecolor='blue')