****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. C) pandas\_DataFrame( data, index, columns, dtype)
2. b) print(S1[: : -1]
3. A)
4. b) Vector Operation
5. B)
6. c) Assertion is True but Reason is False
7. a) Assertion is True & Reason is correct explanation of Assertion
8. a) Both A and R are true and R is the correct explanation of A.
9. c) A is false but R is true.
10. c) A is True but R is false.
11. C. A is false but R is true.
12. a. Both (A) and (R) are True, and (R) is the correct explanation of (A).
13. b) both A and R are true
14. d. All of the above
15. (c) 1 b1

3 d1

dtype: object

1. (c) plt.hist(x, bins = 20, histype = "step")
2. A)
3. A) legends
4. C) Histogram
5. d) marker
6. d. A remixed song
7. b) Phishing
8. d) All of the above
9. d) 4
10. c) c
11. d) (3,4)
12. b) D.index=['A','B','C']
13. d) V[:-1]
14. a) E2 36

E3 66

Name: Age, dtype: object

1. b) Identity Theft
2. b) Digital Footprint
3. d) remove any private details like mobile number, school, college name, address, photos etc.
4. b) Communication etiquette
5. b) Passive digital footprint
6. a) Cyber bully
7. c) His data will never be deleted since it became the digital footprint.
8. A) Copyright
9. B) on paying license fee
10. 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. C) R['Year'][(R['Month']=='Jan') &( R['Passengers']>25)]
2. C) R.set\_index('Year', inplace=True)
3. D) Posting tweets or Facebook posts
4. C) Placing full-text articles on a web page
5. A)
6. B) Item[Item>250]
7. C) (i) and (iii)
8. C) 2
9. A) df.iloc[7:10,4:7]
10. D) df["kms"]=[55,56,59,90,56]
11. B) df[['Month','Year']]
12. C) df.drop(['Month','Year'],axis=1)
13. D) df.plot(kind='line', x='Month') plt.show()
14. C) df.plot(kind ='bar', color =['red','orange'], linewidth=4, linestyle=':', edgecolor='blue')
15. B) R[R."Year"==2010]