

CENTRAL KERALA SAHODAYA

Class: XII

INFORMATICS PRACTICES (065)

ANSWER KEY

SECTION A

1.a

2.a

3.a

4.b

5.a

6.b

7.c

8.d

9.d

10.c

11.d

12.c

13.a

14.d

15.d

16.c

17.a

18.b

SECTION B

19. A web browser is basically the software that we use for browsing on the internet and displaying pages. Conversely, a web server refers to the software that provides its users with the documents they request via their web browsers.

Or

Optical fibre cable

20.a: `del.Toppers['XII C']`

b: In this statement it is undefined that which rows will be renamed with 'A', 'B' and 'C'.

C: The parameter should be (`columns={ }`)

21.a. `instr()`

b. `right()`

22.

4 34

9 36

10 38

5 20

3 22

2 24

6 26

3 22

2 24

6 26

23. A passive footprint is made when information is collected from the user without the person knowing this is happening. An active digital

footprint is where the user has deliberately shared information about themselves either by using social media sites or by using websites.

24. Takes default value of index.

25. sum, max, min, avg, count, count(*), count(distinct), order by, group by

SECTION C

26. Group by, Group By, order by

CO, MU, SU, SE

27000, 12000

67000

27. df=pd.DataFrame({col1:[data1], col2:[data2], col3:[data3], col4:[data4], col5:[data5]})

Print(df)

28. The problem is 'where' cannot be used with group by command. To solve this having has to be used with group by command.

29. cyber bullying

Information Technology act 2000

Never share personal information like user credentials.

30.a: returns the row labels

b: dimension of dataframe

c: returns dimensionality of dataframe

d: row*columns

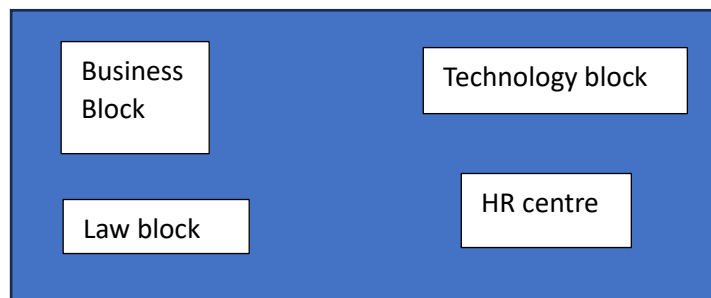
e: data type

31.i. SELECT YEAR(MIN(TRANSACTION_DATE)) FROM BLOCKCHAIN;

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ii. SELECT MONTH(MAX(TRANSACTION_DATE)) FROM BLOCKCHAIN;  
iii. SELECT * FROM BLOCKCHAIN WHERE MONTHNAME (TRANSACTION_DATE)='MAY';  
iv. SELECT COUNT(ID) FROM BLOCKCHAIN WHERE YEAR(TRANSACTION_DATE)=2022;
```

32.a: Hr centre: maximum no.of computers

b:



c: Switch

D:WAN

33.pow(x,y)

Now()

Round()

Trim()

Length()

34.df.read_csv("path name")

df['marks']>85

using iterrows() and iteritems()

using rename function

35.import matplotlib.pyplot as plt

Plt.plot(x1,y1,x2,y2,color='red',label='*****')

Plt.xlabel('*****')

Plt.ylabel('*****')

Plt.title('*****')

Plt.show()

Plt.hist(x,bin=bins)

