## 1. def outer():

def inner():

return 10

return inner

WAP to call inner function

2. def fun():

return “this is function”

f1=fun

f2=fun()

what is the type(f1)?

What is the type(f2)?

3. f= lambda x:x\*\*2

what is the type(f)

4. def fun(a,b,x=20,y=30)

return a+b+x+y

WAP to pass values to a,b,y but not x.

5. f=lambda x: 10 if x else 20

print f(10)

output?

6. print map(int,[‘c’,’d’],[12,13])

output?

7. l=[1,2,3,4]

print l\*3

output?

8. l=[1,2,3,4]

a=l+[5,6]

b=l.append([5,6])

c=l.extend([5,6])

what is the difference among a,b,c.

Output of a,b,c,l?

9. l=range(10,100,10)

print l[20]

print l[20:]

print l[20:0:-1]

print l[20:0]

output?

10. what are the different ways to add an elements to a dictionary. Write an example program

11. Write a program to perform stack operations using list?

12. what are the default functions for tuple?

13. list out string functions?

14. What is the difference among dict.items(), dict.iteritems(), dict.viewitems()? Elaborate with an example.

15. d= {1:100,1:1000}

print d[1] output?

16. d={1:10,2:20}

print d[10]

print d.get(10)

what is the output?

17. WAP to check given value is present in dictionary or not?

18. s=”python”

WAP to remove “o” from s.

19. l=[i+10 if i>3 else i+20 for I in range(10) if I%2==0]

print l

output?

20. if -10:

print “-10”

else:

print “10”

output?

21.i=0

while i<10:

print I

How many times above loop iterates?

22. print “12” > “2”

23. print 23<”2”

24.Write a program to create a table, insert values, update values, delete values of the table.

All database operations code write in a file and call these operations in different file.

Use db\_operations.py and app.py file names.(5M)

25. WAP to Connect to remote system and get the number of processes currently running in the system (3M)

26. WAP to get a json data from browser. IF type usrl [http:localhost:8889](http://localhost:8889/) in the browser, then we should see any json data in the browser.(2M)

27. Write service program to check requested number is prime number or not using socket (3M)

28. WAP to send request to the above program. (2M)

29. WAP to do the below operations.(2M)

a.Open a file in write mode and fill the file with persons information in unstructured format

b. write a regular expression to fetch email and phone numbers.

29. WAP to fetch ip addresses from the unstructured data?

30. Write a class and constructor to create an instances like below

a. p1 = person(id=1,name=”ashok”,age=23,sal=56787)

b. p2 = person(id=2,age=24,adhar=23456)

c. p3 = person(id=4,pan=”brcp3456”,sal=23,age=45)

31. Write a class DB, to do all database operatons(insert, update, delete) for a table (5M)