**Guidelines:**

* In one page, a maximum of 5 MCQs and a minimum of 2 MCQs can be included.
* Questions Numbered 1 to 35
* The font name is Calibri (Body), and the size is 12.
* The primary part of the code must be in bold.
* The four choices should be labeled in uppercase, from A to D, followed by**).**
* All choices must begin with a tab space.
* Write each option on a new line.
* Write the correct answer as shown above, without a tab space after all the options.
* Leave a one-line gap between each question.
* True/False type questions can also be written.

**Note:** Without practice, don't simply copy and paste from other websites. If you feel it's worthwhile, change the values and process, then put it into the document.

1. What does the following Python code print?

**x=(9&4^2|4)**

**y=”6”**

**z=x\*y**

**print(z)**

A) Error

B) 34

C) 36

D) 666666

**Answer: D**

2. What does the following Python code print?

**x=3\*7\*\*2&3|2**

**y=3\*1\*\*2//2**

**print(y\*x)**

A) 3.5

B) 4

C) 0

D) 3

**Answer: D**

3. What does the following Python code print?

**x=13**

**y=4**

**z=8**

**print(((x//y==3) and z%y==0) or x&y! =4 or z|x! =0)**

A) True

B) False

C) 0

D) Error

**Answer: A**

4. What does the following Python code print?

**x=25**

**y=5**

**z=10**

**if (y\*\*2==x and z//10==1) or y&x>1:**

**print(1)**

**else:**

**print(0)**

A) 0

B) 1

C) True

D) Error

**Answer: B**

5. If x==4 and y==3 what is difference between x<<y and x>>y?

A) 8

B) 16

C) 32

D) 64

**Answer: C**

6. What does the following Python code print?

**x="apple"**

**y="Mango"**

**if 'a' in x and 'n' in y:**

**print((True))**

**if 'M' in y or 'e' in x:**

**print(True)**

**if 'n' not in x or 'e' not in y:**

**print(False)**

A) True True False

B) True False False

C) False True True

D) False False True

**Answer: A**

7. Which of the following is correct order of precedence (descending order)?

A) \*\* , >> , & , ^

B) ^ , >> , \*\* , &

C) &, \*\* , ^ , \*\*

D) \*\* , ^, >> , &

**Answer: A**

8. In the code write precedence of operators and return value of x?

**x= (3\*\*3&6|2+3//3\*4)**

A) \*\* , \* , // , + , | , &

B) \* , // , \*\* , + , | , &

C) ) \*\* , // , \* , + , & , |

D) None of these

**Answer: C**

9 . What does the following Python codes print?

**Code 1:**

**x=True**

**y=0**

**print((x and y) or (x or y))**

**code 2:**

**x=True**

**y=1**

**print((x and y) or (x or y))**

A) 0, True

B) 1, False

C) True, 1

D) Error

**Answer: C**

10 . what operation should be in place of \_\_ , so that output of code is 6?

**x=4**

**y=7**

**z=2**

**print(x&y\_\_z)**

A) &

B) |

C) +

D) \*

**Answer: B**

11 . Which of the following is True?

A) 5&4 == 6|2

B) 7|5 == 9^2

C) 7&4 == 4|3

D) 5 & 2 == 4 & 1

**Answer: D**

12. What does the following Python codes print if x=15 , y=6 , z=3?

**if x%y==0 and y%z==0:**

**print(True)**

**if x%y==0 or y%z==0:**

**print(False)**

**else:**

**print("error")**

A) True

B) False

**Answer: B**

13. What does the following Python codes print?

**x, y=5,10**

**x\*=4**

**y\*=5**

**print(x-y)**

A) Error

B) 1

C) 30

D) -30

**Answer: D**

14. what operations should be in place of \_\_ , so that output of code is **False**?

**x, y, z=5,3,4**

**print(x>y \_\_ x<y or (y>z \_\_\_ z<x))**

A) and , or

B) or, and

C) and , and

D) or, or

**Answer: D**

15. What does the following Python codes print?

**x=13&4**

**y=13|4**

**print(x|y)**

A) 13

B) 4

C) 3

D) 1

**Answer: A**

16. Which of the following is correct in order of precedence (descending order)?

A) in, \*\*, or, and, &

B) \*\* , // , & , | , and

C) &, \*\* , ^ , \* , or

D) &, \*\* , ^, >> , or

**Answer: B**

17. What does the following Python codes print?

**x=5|4&3**

**print("%05d"%x**)

A) 5

B) 05

C) 50000

D) 00005

**Answer: D**

18. Which of the following is True about operators and associativity?

A) \*\* --(left to right)

B) \*\*– (right to left)

C) & – (right to left)

D) \*\* and & have same precedence

**Answer: B**

19. If x=8 and y =3 , then which of these expressions return output -5?

A) -x//y

B) -y//x

C) y%-x

D) x%-y

**Answer: C**

20. What does the following Python codes print ?

**n1=~(8)**

**n2=~(-9)**

**rs=n2 and n1**

**print(rs)**

A) -8

B) 9

C) 10

D) -9

**Answer: D**

21. What type of operators are used commonly to find greatest of 3 numbers?

A) Arithmetic Operators

B) Relational Operators

C) Logical Operators

D) Bitwise Operators

**Answer: B**

22. What does the following Python code explains?

**x=8**

**if x%2==0 and x>0:**

**print ("Positive even num")**

**if x%2==0 and x<0:**

**print("Negative even num")**

A) To find a number is -ve or +ve

B) To find a number is even or odd

C) To find a number is +ve even or -ve even number

D) Syntax error

**Answer: C**

23. What does the following Python codes print ?

**x=~(8&3)**

**y=~(7|3)**

**print(x+y)**

A) -8

B) 9

C) 10

D) -9

**Answer: D**

24. What does the following Python codes print ?

**a=~(6>>2)**

**b=~(7>>3)**

**print(a-b)**

A) 6

B) 2

C) 1

D) -1

**Answer: D**

25. What does the following Python codes print ?

**x,y=8,9**

**x+=y**

**y+=x**

**print(x-y)**

A) 9

B) -9

C) 1

D) -1

**Answer: B**

26. What does the following Python codes print ?

**username="Tejasai"**

**if 'Teja' in username :**

**print("welcome")**

**if 'sai' not in username:**

**print("check again")**

A) WELCOME

B) welcome

C) check again

D) none

**Answer: B**

27. What does the following Python codes print ?

**x,y=3,6**

**x+=x//3**

**y\*=y+x**

**print(x+y)**

A) 64

B) 32

C) 1

D) syntax error

**Answer: A**

28. What does the following Python codes print ?

**x= [2,3,4,4]**

**y= [4,4,3,2]**

**print (x is not y)**

A) True

B) False

C) None

D) syntax error

**Answer: A**

29. which of the following pairs are Wrong?

**1)Arithmetic operators-> +, %, //.**

**2)Assignment Operators-> ==, \*\*, >**

**3)Bitwise Operators-> &, |, ^**

A) Only 1

B) Only 2

C) Both 2 and 3

D) All three

**Answer: C**

30. What does the following Python codes print ?

**a,b,c=3,4,5**

**print (a+b==c and c-1==b or a+b+c>10)**

A) True

B) False

C) None

D) syntax error

**Answer: A**

31. Which part of the code has an error if x=9?

**a+=5**

**a&=6**

**a-=3**

**a/=4**

A) a+=5

B) a&=6

C) a-=3

D) program runs without an error

**Answer: D**

32. What does the following Python codes print ?

**a, b=10,20**

**res= a if a > b else b**

**print(res)**

A) 10

B) 20

C) 0

D) syntax error

**Answer: A**

33. What does the following Python codes print ?

**a, b=3,4**

**a,b=~b,~a**

**print(b-a)**

A) 1

B) -1

C) 0

D) syntax error

**Answer: A**

34. Which of the following operator combine two conditions ?

A) and

B) or

C) bitwise and

D) all logical operators

**Answer: A**

35. What is the purpose of the **in** operator?

A) To perform identity checking

B) To perform bitwise operations

C) To check membership in a sequence

D) To assign values

**Answer: C.**