

INDIAN SCHOOL AL WADI AL KABIR  
COMPUTER SCIENCE DEPARTMENT  
CLASS XI SAMPLE PAPER OF IP FOR UT-1 2021-22

---

- 1 While processing , CPU stores data as well as instructions in its local memory called \_\_\_\_\_.
  - a. Data bus
  - b. Cache Memory
  - c. Registers
  - d. Buffer
  
- 2 Which of the following is not an Output Device?
  - a. Speakers
  - b. Touchscreen
  - c. Printer
  - d. Headphone
  
- 3 The \_\_\_\_\_ manages other application programs and provides access and security to the users of the system.
  - a. Utility software
  - b. Antivirus software
  - c. Operating systems
  - d. None of the above
  
- 4 \_\_\_\_\_ are tailor-made applications that are developed to meet the requirements of a specific organization.
  - a. Utility software
  - b. Proprietary software
  - c. Open source systems
  - d. Customized software
  
- 5 1 Tera Byte = \_\_\_\_\_
  - a. 1024 GB
  - b. 1024 MB
  - c. 1024 EB
  - d. 1024 ZB
  
- 6 Identify the valid identifier from the following
  - a. Tax-Rate
  - b. TaxRate\$
  - c. Tax\_rate
  - d. Tax rate
  
- 7 In the \_\_\_\_\_ Mode , we can type python statements with >>> prompt directly.
  - a. Shell mode
  - b. Interactive mode
  - c. Script mode
  - d. All of the above
  
- 8 Which type of data is accepted by input() function ?
  - a. int
  - b. float
  - c. double
  - e. String
  
- 9 Which of the following rules is not a valid rule for defining an identifier?
  - a. An identifier can start with the digits.

- b. Identifier name cannot have special characters except underscore  
c. Keywords cannot be used as identifiers  
d. An identifier can be of any length
- 10 What is the full form of IDLE  
a. Integrated development and learning enterprise  
b. Integrated development and learning environment  
**c. Integrated Data and learning environment**  
d. Integrated data and learning enterprise
- 11 Which of the following is not a valid arithmetic shorthand operator ?  
a. \*\*=  
b. +=  
**c.<=**  
d. \*=
- 12 Find the output of the following statement ?  
Z= 22.0//5.0+ (12/3) \* 4  
print (z)  
  
a. 20.5  
**b. 20.0**  
c. 34.0  
d. 32.5
- 13 Find the output of the following code segment .  
X,y=200,15  
Z1=x/y  
Z2=x//y  
print(Z1,Z2)  
  
a. 13 13.33  
b. 13 14  
**c. 13.33 13**  
d. 13.33 14
- 14 Find the output of the following code segment.  
a,b,c= 15,8,12  
a\*= b  
a/ = c  
print("Result= ",a)  
  
a. Result=10  
b. Result=12  
c. Result = 12.0  
**d. Result = 10.0**
- 15 Find the output of the following code segment.  
P,Q,R= False, True , True  
S=P or Q and not R  
T= not T or not R  
print(S,T)  
  
**a. False True**

- b. False False
- c. True False
- d. True True

16 Find the output of the following code segment.

```
L,M,N= 25.0,10,40
N= L * 5+M ** 2 - (N+30)
print(N)
```

- a. 165
- b. 165.0
- c. 155.0
- d. 155

17 Find the output of the following code segment.

```
I, J, K = 30, 50, 7
L = J // ( I % K )
M= I ** 3 - ( L * J )
print( L, M)
```

- a. 25.0 25750
- b. 25 25750
- c. 25 25750.0
- d. 25.0 25750.0

18 Find the output of the following code segment.

```
c,d=5,12
c*= d*c-10
print("Answer= ", float(c))
```

- a. 240.0
- b. 255.0
- c. 245.0
- d. 250.0

19 What will be the equivalent python expression for the given expression?

$$x^3 + y^3 + 3x^2y + 3xy^2$$

- a.  $x * 3 + y * 3 + 3 * x * 2 * y + 3 * x * y * 2$
- b.  $x * 3 + y * 3 + 3 * x * 2 * y + 3 * x * y * 2$
- c.  $x ** 3 + y ** 3 + 3 * x ** 2 * y + 3 * x * y ** 2$
- d.  $x ** 3 + y ** 3 + 3 * x ** 2 * y + 3 * x * y ** 2$

20 Find the output of the following code segment.

```
F,G,H= 150, 75, 250
print( not F < 200 and G>100 or H<500)
print(( F-G) < 100 and H> 300)
```

- a. True False

- b. True True
- c. False False
- d. False True

21 Which of the following is not a valid keyword in python?

- a. if
- b. and
- c. else
- d. true

22 Find the output of the following code segment.

```
a,b,c = 40,12,20
if a>b and b<c:
    print("Happy Shopping")
print("Visit Again!")
```

- a. Visit Again !
- b. Happy Shopping
- c. Happy Shopping Visit again !
- d. None of the above

23 Find the output of the following code I ) if P=80 and II)m if P=60

```
P = int(input())
Q, R = 50, 0
if P-Q > 25:
    R += P * Q
else:
    R += P * 8
print("Answer = ", R)
```

- a. i) Answer= 4000 ii) Answer = 480
- b. i) Answer=480 ii) Answer= 4000
- c. i) Answer=4200 ii) Answer=640
- d. i)Answer= 640 ii)Answer=4200

24 Find the output of the following code segment if b=75

```
a = 30.0
b = int(input())
if a < b :
    a = a + 10
    c = a * b
else:
    c = a * 6
print("Result = ", c)
```

- a. 2800.0
- b. 3200.0
- c. 2250.0
- d. 3000.0

25 What will be the value of res if p=30

```

p = int(input())
q = 20
if p % 6 == 0:
    q = q + 4
    res = p * q
else:
    res = p * q

```

- a. 840
- b. 720**
- c. 660
- d. 600

26 What will be the output of the following code segment if y = 18 (Note: && can be replaced with and)

```

x=25
y=int(input())
z=15
if(x>y && y<z):
    z *= 10
else:
    z += 100
print("Result = ",z)

```

- a. Result= 150
- b. Result= 115**
- c. Result = 250
- d. Result= 125

27 What will be the output of the following code segment if a = 35

```

a=int(input())
b = 0
if ( a % 3 == 0):
    if(a % 4 ==0):
        b = a * 10
    else:
        if(a % 8 ==0):
            b = a + 50
        else:
            b = a * 20
print("Result = ", b)

```

- a. Result= 350
- b. Result = 85
- c. Result= 0
- d. Result= 700**

28 What will be the output of following code fragment ?

```

a, b, c = True, False, True
if not a or b and c:
    print("Module 1")
elif a and b or not c:
    print("Module 2")
else:
    print("Module 3")

```

- a. Module 1
- b. Module 2
- c. Module 3
- d. all of the above

29 What will be the output of the following code fragment when bamt = 700 Note: remove the syntax errors ,correct the program and then run it.

```

bamt=int("Enter the Bill Amount of Customer: ")
if bamt >= 1000:
    dis = bamt * 10 / 100;
elif bamt >= 500 and bamt < 1000:
    dis = bamt * 5 / 100;
elif bamt >= 250 and bamt < 500:
    dis = bamt * 2 / 100;
else:
    dis = 0.0
net = bamt - dis
print("Net Amount Payable = ", net)

```

- a. Net Amount Payable = 665.0
- b. Net Amount Payable = 630.0
- c. Net Amount Payable = 685.0
- d. Net Amount Payable = 700.0

30 What will be the output of the following code fragment when basicpay = 22500

```

basicpay = float(input("Enter Basic Salary of the Employee? "))
if(basicpay > 0):
    if basicpay <= 8000:
        hra = 5000
    elif basicpay > 8000 and basicpay <= 15000:
        hra = 7500
    elif basicpay > 15000 and basicpay <= 25000:
        hra = 12000
    else:
        hra = 15000
grosspay = basicpay + hra
print("House Rent Allowance : ",hra)

```

- a. House Rent Allowance = 27500
- b. House Rent Allowance = 12000
- c. House Rent Allowance = 30000
- d. House Rent Allowance = 37500