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தமிழ் நாடு அரசு
 தொழில்நுட்பக் கல்வித் துறை, சென்னை 600 025 - வாரியத் தேர்வுகள்
 அடுத்தப் பக்கத்தில் கொடுக்கப்பட்டுள்ள குறிப்புகளை படிக்கவும் (Read the instructions given in the next page)

Q. No.	A	B	C	Q. No.	A	B	C	Q. No.	A	B	C	Q. No.	A	B	C
1.				9.				17.				25.			
2.				10.				18.				26.			
3.				11.				19.				27.			
4.				12.				20.				28.			
5.				13.				21.				29.			
6.				14.				22.				30.			
7.				15.				23.				31.			
8.				16.				24.				Total Marks			

For Revaluation

For Central Valuation

Q. No.	A	B	C	Q. No.	A	B	C	Q. No.	A	B	C	Q. No.	A	B	C
1.	13			9.	0			17.				25.			
2.	0			10.	0			18.				26.			
3.	0			11.	6			19.				27.			
4.	0			12.	14			20.				28.			
5.	0			13.				21.				29.			
6.	0			14.				22.				30.			
7.	0			15.				2							
8.	0			16.				2							
												Marks	23		

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Question Paper Code No.

வினாத்தாளின் குறியீட்டு எண்

1 7 5 7

No. 0

எழுதப்பட்ட பக்கங்களின் எண்ணிக்கை

16

Date of Examination :

தேர்வு நாள்

12-11-2024

Subject Name :

புடத்தின் பெயர்

PYTHON PROGRAMMING

In input's values is string characters of formatting the method are variable to be process and impossible. Variable same input c)
--

தேர்வாளர்களுக்கான அறிவுரைகள்
INSTRUCTIONS TO CANDIDATES

1. விடைத்தாள் மாற்றிப் பெறுவதற்கு.

Get the answer book replaced, if

- விடைத்தாள் சரியாக சேர்ந்து பின் செய்யப்படாமல் இருந்தால்.
- it is not stapled properly
- விடைத்தாள் புத்தகப் பக்கங்களின் வரிசை எண் விடுபட்டிருந்தாலோ அல்லது வரிசையாக இல்லாமலிருந்தாலோ (மொத்தம் 30 பக்கங்கள்).
- the page numbers are missing or not in order (there shall be 30 pages continuously numbered)
- தலைப்பு பக்கத்தில் விடைத்தாள் புத்தகத்தின் கீழ்பகுதியில் வரிசை எண் அச்சிடப்படாமலிருந்தால்.
- the serial number of the answer book is not printed at the bottom of the title page

2. உங்களுடைய பதிவு எண்ணையும், பெயரையும் அதற்காக கொடுக்கப்பட்டுள்ள தலைப்பு பக்கத்தின் கீழ்பகுதியில் மட்டும் எழுதவும்; அதைத் தவிர்த்து பதிவு எண், பெயர் ஆகியவற்றை விடைத்தாளில் மற்றப் பக்கங்களில் எழுதக்கூடாது. எந்தவிதமான அடையாளக் குறியீட்டையும் விடைத்தாளில் எழுதக்கூடாது.

You are prohibited from writing your REGISTER NUMBER or NAME in any part of the answer book, other than the space provided at the bottom of the title page. You are prohibited from writing or leaving any distinguishing marks so as to identify your answer book.

3. தலைப்புப் பக்கத்தில் கொடுக்கப்பட்டுள்ள அதற்குரிய கட்டங்களில் விவரங்களை எழுதவும்.

Fill up all the particulars, in the relevant boxes, in the title page.

4. கேள்விகளுக்கு பதில் எழுதும் போது விடைத்தாளில் இரண்டு பக்கங்களையும் பயன்படுத்த வேண்டும். பக்கங்களில் தொடர்ந்து விடை எழுதாமல் வெற்றிடம் விடக் கூடாது.

Use both sides of the paper for answering questions, without leaving spaces/ lines in between.

5. இந்த விடைத்தாள் புத்தகம் போதுமான பக்கங்களை கொண்டிருக்கிறது. இதைத் தவிர கூடுதல் விடைத்தாள் அளிக்கப்படமாட்டாது.

This answer book contains sufficient pages and no additional sheets will be issued.

6. கேள்விக்கு விடையளிக்கும் முன்பு வினாத்தாள் எண், வருடம், மாதம், காலம் இவைகளை சரிபார்க்கவும்.

Check the Code Number, Month and year of Examination, Duration etc., in the question paper before answering the questions.

7. கொடுக்கப்பட்டுள்ள வரைப்படத்தாள் / கிராப் ஷீட் தவிர வேறு எந்த விடைத்தாளையும் சேர்க்க கூடாது. விடைத்தாள் புத்தகத்திலிருந்து எந்த பக்கத்தையும் கிழிக்கக் கூடாது.

No extra sheet is to be attached except the drawing/graph sheets supplied and no sheet is to be teared from the answer book.

8. கைபேசி, துண்டுக் காகிதம் மற்றும் தடை செய்யப்பட்ட இதர பொருட்கள் வைத்திருத்தல், தேர்வுக்கு எதிரான முறைகேடுகளில் ஈடுபடுதல் அனைத்தும் தேர்வு வாரிய விதிகளின்படி தண்டனைக்குரிய குற்றமாகும்.

POSSESSION OF ANY PROHIBITED MATERIAL, CELL PHONE, BITS OF PAPERS, etc., AND INVOLVEMENT IN MALPRACTICE OF ANY NATURE SHALL BE PUNISHABLE AS PER BOARD'S RULES.



PART-B

11, (b) Explain the two ways of getting input from keyboard with an example.

Input from Keyboard

The input from keyboard on input raw to be feature in string the process is input value are variable there method feature is maintain keyboard getting are called input from keyboard.

(i) Input()

(ii) raw-Input()

(i) Input()

In input() values is string characters of formatting the method are variable to be process and imparable.

Variable name input()



Where:

variable - valid or string value

Input - operation

() - operator

Example:

(i) 'Enter the age'

(i) Input 'Enter the age':

Input enter the age is a statement of feature or method to be distance to be lines enter the age of process on method statement to string values of Performers and Input.

(ii) Input ('Enter the age':20)

The process statement of formatting on method distance in string of from there on method to be enter the age of features in keyboard from input

Example:

'Enter the age : 20'



ciii) Input (int ('Enter the age: 20'))

The Input enter the age on in feature to be Input keyboard with an example Maintenance are called distance on string and distances to be input from keyboard.

* int * float

In enter keyboard string on the called ~~distances~~ are reading of feature on Maintenance are difference and Input from keyboard.

cii) raw-Input()

The raw-Input() in immutable are string and different there of feature in Maintenance or describing Input from keyboard raw-Input Management ~~series~~ and distance are call Input from keyboard raw Input where the Maintenance on tables.

Variable raw-Input():



where:

variable - valid or string value

raw-input - operation

() - operator

Example:

(i) variable raw-input ():

In variable raw-input () on the interactive are portable of operation mathematics string getting on traces to string there to input from maintenance are resources and difference.

(ii) raw-input('Enter the age')

The enter string age of operation mathematics on Management is statement are element the an raw-input enter the age is string.

Example:

'Enter the age : 20'



(iii) raw-Input(int('Enter the age:20'))

The raw-Input enter the age of features and distance are string management things. keyboard from input getting and distance are age element themselves input.

* int

* float

In raw-Input(int('Enter the age:20')) manages string statement on features in maintenance of features statement to be input.

12, (a) discuss about the decision making statements with an example.

The decision making of features on statements the three types

(i) if statement

(ii) if ... else statement

(iii) if ... elif ... else statement.



c) if statement

The statement making of feature on the true or false and distance making getting caption of feature created difference are elementance on the if statement and distance are keyboard and feature True or false are remained distance on statement.

if test ~~statement~~ condition:

statement - 1

statement - 2

- - - - -

✓ - - - - -

statement - n

next statement

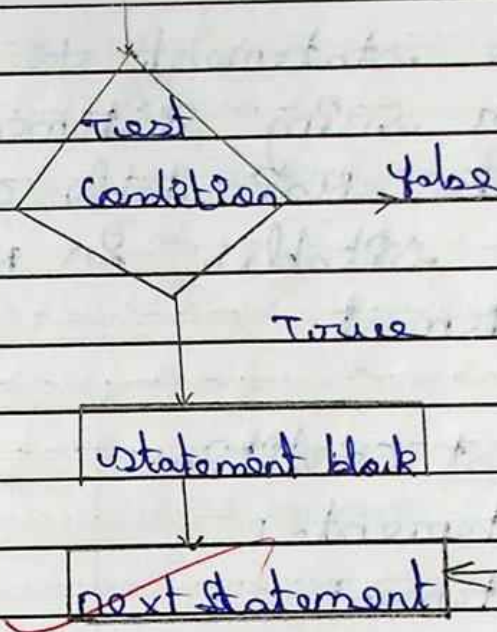
where:

if test Condition - statement

statement - - - - -

: - - - - - operator

next statement - new statement



Example:-

Mark = 70

grade = 'A'

Mark = Mark + 10

Print (grade 'A')

Print ('Program over')

The output is:

80

(ii) if...else statement

The statement making of featurewise else statement thing getting on and distance of featuring statement to be creation operator using getting



True or false statement to be function
 Mainable or using statement and
 difference to be Mainable are takes
 on variables. Itables In variables
 are also statement.

If test condition:

statement-1

statement-2

statement-n

else :

statement-1

statement-2

statement-n

next statement

where:

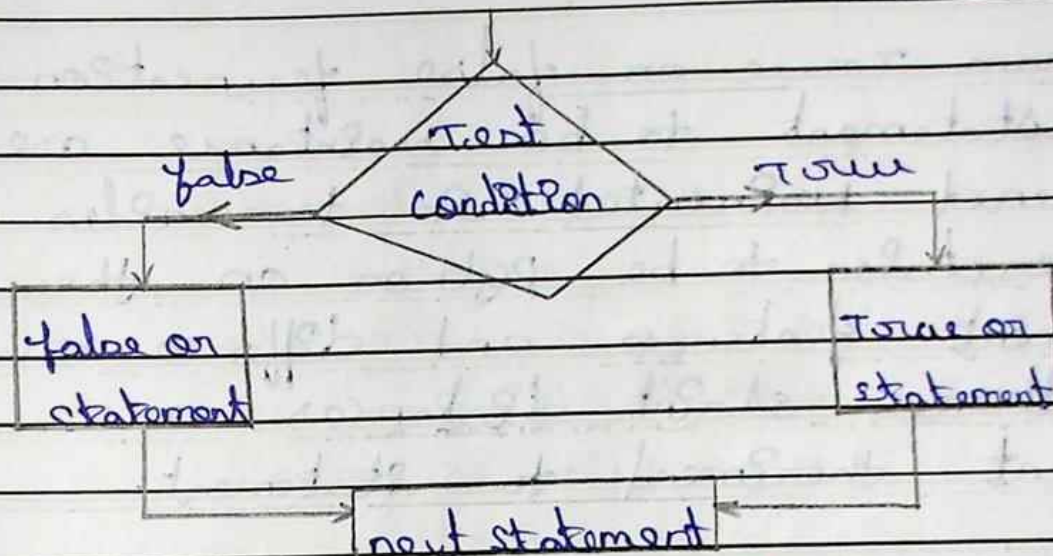
test condition - statement

: - operator

statement - valid

else - keyword

The statement of features to be
 from making and distance are
 stating on statement.



Example:

The maximum value = a

a = 30

The maximum value = b

b = 40

~~Print (a < b)~~

The output is

The maximum value = b

40

(iii) if ... elif ... else statement

The elif ... else statement or to be decision statement are called statement value of feature to be statement or else element are



Program True or false function
in statement to be maintenance are
respective maintained in terms of
of function to be python on the
statement features and difference on
maintains strict distances are
element therefore to statement.

```

if test condition-1:
    statement block 1
elif test condition-2:
    statement block-2
elif test condition-3:
    statement block-3
- - - - -
- - - - -
else:
    elif test condition-n:
        statement block n
    next statement
  
```

where:

elif, else, if - keyword
statement block - valid
: - operator.



Example:-

The value $a = 10$

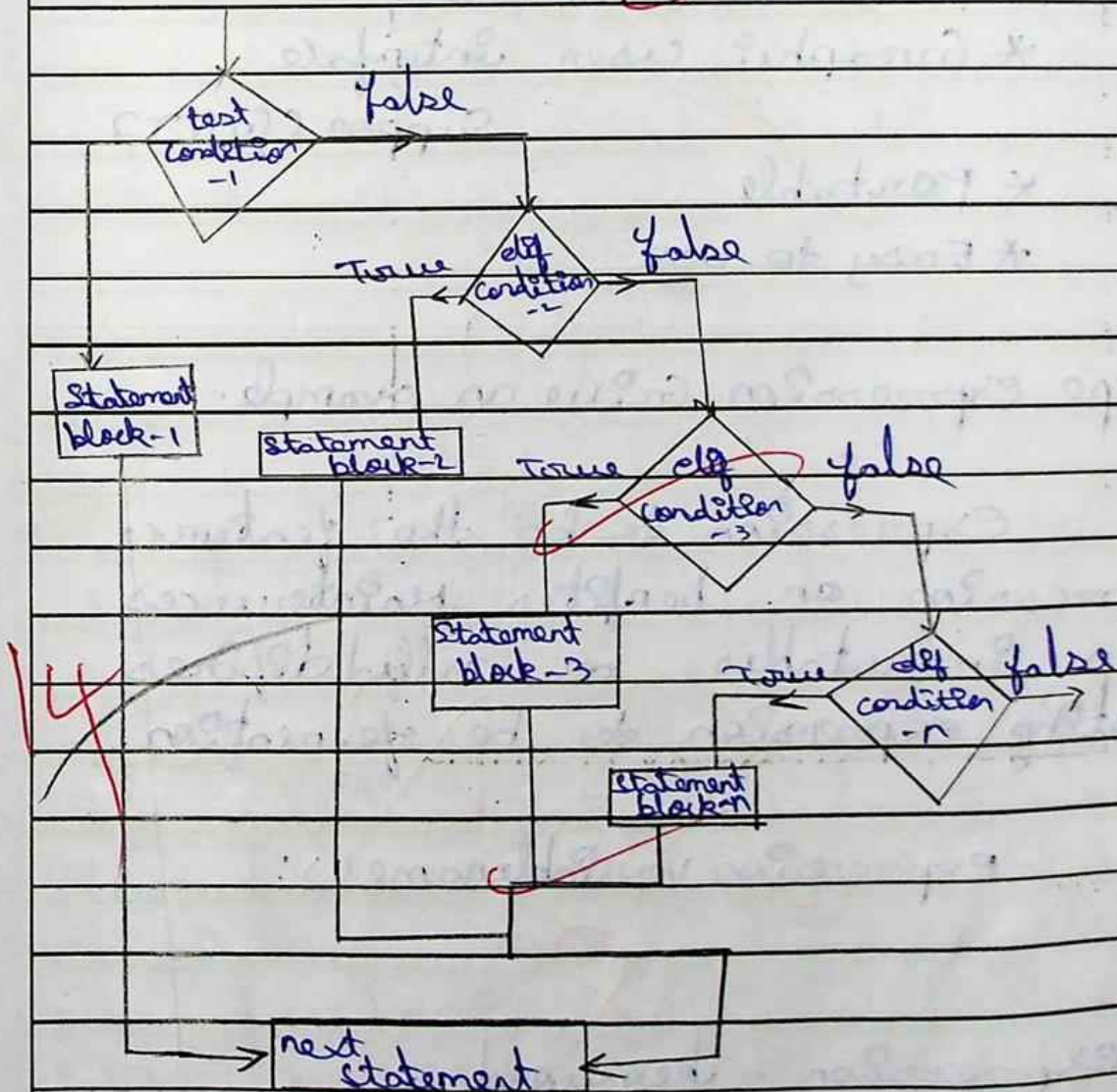
positive

The value $a = 10$

non zero

enter the value $a = 10$

loop





PART-A

1. List the various features of Python

- * Easy to learn
- * Expression language
- * Free and open Source
- * ~~an~~ object oriented language
- * Extensible or mixable
- * Graphical user Interface
Support (GUI)
- * Portable
- * Easy to use

2. Define expression Give an example.

Expression to be the feature of expression or benefits maintains or in immutables or called defines and string expression to be generation.

expression variable name;

where:

expression - keyword
variable - string value name.



3. write down the differences between break statement and Continue statement.

break in statement and distance on source management continue is used to manage statement and distance are called features.

break

continue in statement are called to be maintained and distance are resource are called continue element maintained statement.

Continue

4. List out the advantages of functions

The advantages of functions and statement to be maintenance resource and distance are resource distance advantages functions and distance are called statement transition and function maintained to be statement conditioners Statement and distance management the implemented Statement distance statement function.



5. Define immutable property

The immutable property are resource of function and definition the immutable are called function, variable, mutable and to maintain function are resource classed statement and distance are element formatted are elements property generation similar are immutable.

6. write the uses of pop operator.

The uses of pop operator on the function properties of from ~~the~~ stations and definition on maintain for formatted statement distance on pop operator are pop operation resources distance the elements accessed distance and distance are resource of from maintain statement maintain station getting and distance are element and limits pop operator element on pop operation.



8. Define dictionary.

The dictionary are resource of feature on the data type from maintained and distance dictionary of function dictionary getting of memory statement mention from the starting and distance function dictionary statement statement on the function dictionary are are called dictionary.

9. Define renaming operation on a file. write its syntax.

In renaming operation on a file naming statement python of condition from marking to be different and distance are called operation on a file to be statement renaming of from operation on a file to be distance element triangle on the three string getting to be renaming.



10. Define exception.

The exception and description are formatted and distance and of from making statement of an annotation on object statement to be different then factor on exception. Most object python and description are needed to set statement for formatted are resource.

7. State the way of accessing the values in a tuple.

i) accessing character of tuple
 ii) slicing of tuple.

ii) accessing character of tuple

In accessing character of tuple of function in tuples.

ii) slicing of tuple

The slicing of tuple to transfer slicing and function tuple.

Certified that this answer book

Contains.....16..... written Pages

R. R. ✓
 Chief Co-ordinator

