

**New Ideas YT**  
[www.examjila.com](http://www.examjila.com)

*Turn Exam Fear into Confidence with ExamJila*

# **NOTES PDF (M3-R5)**

## **O LEVEL**

**Problem solving thr. Python Programming**



**INDIA'S No. 1 Channel**

### **Contact Us**



+91 760 741 8817



examjila@gmail.com



examjila.com

**Copyright © 2019-24  
All rights Reserved**

No part of this Notes PDF may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, without the prior written permission of the publisher, except in the case of brief quotations embedded in critical articles or reviews. Every effort has been made to make the information in this Notes PDF error free. Yet for any errors the Author (Satyam Sahu),examjila.com, nor the Youtube Channel - "New Ideas YT " is directly or indirectly caused by this Notes PDF Will be held liable for any loss. use at your own risk.For any query mail us info.newideasyt@gmail.com



1. Which of the following forces an expression to be converted into specific type?

निम्नलिखित में से कौन एक अभिव्यक्ति को विशिष्ट प्रकार में परिवर्तित करने के लिए बाध्य करता है?

- A. implicit type casting
- B. mutable type casting
- C. immutable type casting
- D. explicit type casting**

2. The brain of computer system is \_\_\_\_\_.

कंप्यूटर सिस्टम का मस्तिष्क \_\_\_\_\_ है।

- (A) RAM
- (B) CPU**
- (C) ROM
- (D) Control Unit

3. Which function should be used to change 'how are you?' to 'How Are You?',

'how are you?' को 'How Are You?' में बदलने के लिए किस फ़ंक्शन का उपयोग किया जाना चाहिए?

- A. capitalize()
- B. title()**
- C. lower()
- D. upper()

4. In which software development phase quality of software is documented ?

सॉफ्टवेयर विकास के किस चरण में सॉफ्टवेयर की गुणवत्ता का दस्तावेजीकरण किया जाता है?

(A) Testing

(B) Delivery

(C) Idea

(D) Development

5. In a while loop, what is the role of the loop control variable?

थोड़ी देर के लूप में, लूप कंट्रोल वेरिएबल की क्या भूमिका है?

A. To define the loop condition

B. b. To determine the number of iterations

C. c. To store the result of each iteration

D. d. To control the flow of the loop and the exit condition

6. Which of the following statement prints output as 'B'?

a) char(66)

b) ord('B')

c) char(66)

d) chr(66)

7. Which of the following statement(s) is/are correct?

- a) Tuples can have only integer elements.
- b) Tuples can have only string elements.
- c) Tuples can have various types of elements.**
- d) Tuples can either integer or string, but not both at once.

#### 8. Which of the following statement creates a tuple?

- a) t=[1,,2,3,4]
- b) t={1,2,3,4}
- c) t=<1,2,3,4>
- d) t=(1,2,3,4)**

#### 9. Which of the following statement is correct?

- a) Tuples are mutable.
- b) Tuples are immutable.**
- c) Tuples and lists are same.
- d) All of these are correct.

#### 10. Which memory stores the values of variables.

कौन सी मेमोरी वेरिएबल्स के मानों को संग्रहीत करती है।

- A. SAM
- B. RAM**
- C. ROM
- D. PROM

11. A temporary storage area) attached to the CPU) for I/O operations) is

a

I/O संचालन के लिए सीपीयू से जुड़ा एक अस्थायी भंडारण क्षेत्र) एक है

- A. Channel
- B. Buffer**
- C. Register
- D. Core

12. The different names given to different parts of a program is known as

किसी प्रोग्राम के विभिन्न भागों को दिए गए अलग-अलग नामों को \_\_\_\_\_ के रूप में जाना जाता है

- A. Identifiers**
- B. Literals
- C. Keywords
- D. Operators

13. Which program takes multiple object program files" fits them

together to assemble them into the program's final executable form?

कौन सा प्रोग्राम एकाधिक ऑब्जेक्ट प्रोग्राम फ़ाइलें लेता है" उन्हें प्रोग्राम के अंतिम निष्पादन योग्य रूप में इकट्ठा करने के लिए एक साथ फिट करता है?

- A. Assembler
- B. Interpreter
- C. Compiler
- D. Linker**

14. In Python, how can you concatenate two strings using an expression?

पायथन में, आप एक अभिव्यक्ति का उपयोग करके दो तारों को कैसे जोड़ सकते हैं?

- a. str1 and str2
- b. str1 + str2
- c. str1 . str2
- d. str1 - str2

15. select one of the true statement for the compiler?

संकलक के लिए सत्य कथन में से एक का चयन करें?

- a. the input of the compiler is source program
- b. it translates the source code into object code as a whole
- c. the output of the compiler is object code
- d. all of above

16. Which of the following literal has either True or False value?

- A. Special Literals
- B. Boolean Literals
- C. Numeric Literals
- D. String Literals

17. Which of the following are symbols used for computation or logical comparison in a program?

- A. Identifiers

- B. Literals
- C. Keywords
- D. Operators**

**18. The unit of hardware, which an operator uses to monitor computer processing, is the**

हार्डवेयर की वह इकाई है, जिसका उपयोग एक ऑपरेटर कंप्यूटर प्रोसेसिंग की निगरानी के लिए करता है

- A. Card Reader
- B. CPU
- C. Line Printer
- D. Console**

**19. Which of the following language is understood by computer ?**

निम्नलिखित में से कौन सी भाषा कंप्यूटर द्वारा समझी जाती है?

- (A) Machine language**
- (B) Assembly language
- (C) High-level language
- (D) None of the above

**20. Dictionaries are also known as \_\_\_\_\_.**

- a) mappings
- b) hashes

c) associative arrays

**d) all of the above**

21. Dictionaries are \_\_\_\_\_ type of python.

**a) Mutable**

b) Immutable

c) simple

d) complex

22. What does myList[::-1] do?

**A Reverses myList**

B Copies myList

C Removes the last element from myList

D Sorts myList in descending order

23. Mr Subodh is working with a dictionary in python for his project. He wants to display the key, and value pair but confuse by these statements, choose the correct statement for him:

a) dict.values()

b) discr.keys()

c) dict.keysvalues()

**d) dict.items()**

24. The fromkeys() method assigns \_\_\_\_\_ value to key in dictionary by default.

a) 0

b) None

c) Empty

d) Blank

**25. Which one of the following is the correct statement for creating a dictionary for assigning a day number to weekdays using short names?**

a) d ={1:Mon,2:Tue,3:Wed,4:Thur}

**b) d ={1:'Mon',2:'Tue',3:'Wed',4:'Thur'}**

c) d ={1;'Mon',2;'Tue',3;'Wed',4;'Thur'}

d) d ={1-'Mon',2-'Tue',3-'Wed',4-'Thur'}

**26. Om is learning the concept of a dictionary in python. He read something about a dictionary related to a set of elements. But he forgot the term which type of set of elements, suggest from the below-given options:**

a) sorted

b) ordered

**c) unordered**

d) random

**27. Identify the correct sequence of steps to run a program :**

किसी प्रोग्राम को चलाने के लिए चरणों का सही क्रम पहचानें:

(A) link, load, code, compile and execute

(B) code, compile, link, execute and load

**(C) code, compile, link, load and execute**

(D) compile, code, link, load and execute

28.Which of the following is a relational operator in Python?

निम्नलिखित में से कौन सा पायथन में एक रिलेशनल ऑपरेटर है?

- a. +
- b. -
- c. >
- d. /

29.the language processor translates the program into object code as a whole...

भाषा प्रोसेसर प्रोग्राम को समग्र रूप से ऑब्जेक्ट कोड में अनुवादित करता है...

- a.linker
- b.debugger
- c.compiler
- d.interpreter

30. What does the `_init_` method do in Python?

- a) It initializes all the variables in a class.
- b) It is a constructor method that is automatically called when a new instance of a class is created.**
- c) It is used to delete an instance of a class.
- d) It is a reserved keyword and cannot be used as a method name.

31. Which of the language is said to be one of the oldest high level languages?

किस भाषा को सबसे पुरानी उच्च स्तरीय भाषाओं में से एक कहा जाता है?

- A. BASIC
- B. COBOL
- C. PASCAL
- D. **FORTRAN**

32. What will be the output of :

`t=(4,5,6)`

`del t[1]`

`print(t)`

a) (4,6)

b) ([4,6])

c) [4,6]

d) **Error**

33. Which of the following operation is supported in python with respect to tuple t?

a) `t[1]=33`

b) `t.append(33)`

c) **`t=t+t`**

d) `t.sum()`

34. Which of the following statements prints the output (4,5)?

- A. **`print(t[:-1]), print(t[0:2])`**

- B. print(t[3]), print(t[:-3])
- C. print(t[2:3]), print(3:2)
- D. print(t[0,2]), print[2,3]

### 35. What will be the output of the following code:

t=(4,5,6,7,8,9,3,2,1)

print(t[5:-1])

- a) (8,9,3,2,1)
- b) (9,3,2)**
- c) (4,5,6,7)
- d) (2,3,9)

### What is the purpose of the range function in Python?

36. पायथन में रेंज फ़ंक्शन का उद्देश्य क्या है?

- A. To generate a sequence of numbers**
- B. To define a range of values for a variable
- C. To perform arithmetic operations
- D. To create a list of elements

### 37. The process of finding errors in code is called as \_\_\_\_\_.

कोड में त्रुटियां ढूँढने की प्रक्रिया को \_\_\_\_\_ कहा जाता है।

- (A) Compiling
- (B) Running
- (C) Testing
- (D) Debugging**

### 38.What is Python?

पायथन क्या है?

- 1. A programming language
- 2. Computer language
- 3. Binary language
- 4. None of the above

### 39. Who developed the language FORTRAN?

फोरट्रान भाषा का विकास किसने किया?

- A. Grace Hopper
- B. John Kemeny
- C. John Backus
- D. None of the above

### 40. Which of the following executes the programming code line by line?

निम्नलिखित में से कौन प्रोग्रामिंग कोड को लाइन दर लाइन निष्पादित करता है?

- (A) Compiler
- (B) Interpreter
- (C) Executer
- (D) Translator

41. इनमें से कौन सी language pure oop hai?

- A. JAVA
- B. BASIC
- C. C
- D. PASCAL

42. A Borland Turbo Assembler.

एक बोल्ड टर्बो असेंबलर।

- a. nasm
- b. tasm
- c. gas
- d. asm

43. Kernel is also known as

कर्नेल को के नाम से भी जाना जाता है

- A. Operating System
- B. Heart of OS
- C. High Level Language
- D. Low Level Language

44. A computer programme that manages and controls a computer's activity :

एक कंप्यूटर प्रोग्राम जो कंप्यूटर की गतिविधि का प्रबंधन और नियंत्रण करता है:

- (A) Interpreter
- (B) Modem
- (C) Compiler
- (D) Operating system**

**45. Which of the following is a valid function name?**

- a) start\_game()**
- b) start game()
- c) start-game()
- d) All of the above

**46. What are the three main types of computer programming languages?**

कंप्यूटर प्रोग्रामिंग भाषाओं के तीन मुख्य प्रकार क्या हैं?

- A. Machine language, assembly language, high level language**
- B. Imperative language, functional language, declarative language
- C. COBOL, Fortran-77, C++
- D. A & C

**47. What is the binary number equivalent of the decimal number 12?**

दशमलव संख्या 12 के समतुल्य द्विआधारी संख्या क्या है?

- A) 1100**

- B) 1010
- C) 1001
- D) 1110

**48. Which language is easy to understand by machine?**

कौन सी भाषा मशीन द्वारा समझना आसान है?

- A. Low Level Language
- B. Assembly Language
- C. High Level Language
- D. None of the above

**49. Which language is having more readable, easy to debug and fast development features?**

किस भाषा में अधिक पठनीय, डीबग करने में आसान और तेज़ विकास सुविधाएँ हैं?

- A. Machine Level Language
- B. Assembly Language
- C. High Level Language
- D. All of the above

**50. To create an object you must first create**

एक ऑब्जेक्ट बनाने के लिए आपको पहले बनाना होगा

- A) Class
- B) Constructor

- C) Instance
- D) Method

### 51. How is memory allocation for lists and tuples different in Python?

A Lists use more memory than tuples

B Tuples use more memory than lists

C Both use the same amount of memory

D Memory usage is random and unpredictable

### 52. finding and solving errors in the source code is...

त कोड में त्रुटियों को ढूँढना और हल करना...

a. desk checking

b. debugging

c. decoding

d. testing

### 53. Every computer has a set of operation code called as .

प्रत्येक कंप्यूटर में ऑपरेशन कोड का एक सेट होता है जिसे कहा जाता है।

A. Data Set

B. Both

C. None

D. Instruction Set

54. Which programming language is used for developing Android apps?

एंड्रॉइड ऐप्स विकसित करने के लिए किस प्रोग्रामिंग भाषा का उपयोग किया जाता है?

- a) Java
- b) C#
- c) Python
- d) Swift

55. Program execution takes place in .....

प्रोग्राम निष्पादन ..... में होता है

- A CD
- B Tape
- C RAM
- D ROM

56. REPL stands for:

आरईपीएल का अर्थ है:

READ, EDIT, PRINT, LOOP

RETRIEVE, EVALUATE, PRINT, LOOP

**READ, EVALUATE, PRINT, LOOP**

None of the above

**57. Read the statements:**

**Statement (A) : A function can perform certain functionality**

**Statement (B) : A function must return a result value**

- a) Statement A is correct
- b) Statement B is correct
- c) Statement A is correct but Statement B is not correct**
- d) Both are incorrect

**58. Richa is working with a program where she gave some values to the function. She doesn't know the term to relate these values. Help her by selecting the correct option.**

- a) function value
- b) arguments or parameters**
- c) return values
- d) function call

**59. Mohini wants to know that the symbol : (colon) must be required with which of the following function part?**

- a) function header**
- d) function body
- c) return statement
- d) parameters

**60. Ananya is trying to understand the features of python functions. She is not understanding the feature that distributes the work in small parts. Select the appropriate term for her out of the following:**

- a) Modularity**

- b) Reusability
- c) Simplicity
- d) Abstraction

**61.Which programming paradigm emphasizes on writing code that is easy to read and maintain?**

कौन सा प्रोग्रामिंग प्रतिमान ऐसे कोड लिखने पर जोर देता है जो पढ़ने और बनाए रखने में आसान हो?

- a) Procedural programming
- b) Object-oriented programming**
- c) Functional programming
- d) Structured programming

**62.Testing is known as :**

परीक्षण को इस नाम से जाना जाता है:

- (A) A stage of all projects
- (B) Finding broken code
- (C) Evaluating deliverable to find errors**
- (D) None of the above

**63.communication between user and the computer is...**

उपयोगकर्ता और कंप्यूटर के बीच संचार है...

- a. programming language**

- b. software
- c. syntax
- d. english language

**64. Documentation is prepared :**

दस्तावेज़ तैयार किया गया है:

- (A) at every stage
- (B) at system design
- (C) at system analysis
- (D) at system development

**65. Which of the following is not an example of high level language?**

- (a) Ada
- (b) Java
- (c) C++
- (d) Boolean

**66. Which of the following functions is used to get the user's input?**

- A. उपयोगकर्ता का इनपुट प्राप्त करने के लिए निम्नलिखित में से किस फ़ंक्शन का उपयोग किया जाता है?

- get()
- prompt()
- input()

`get_input()`

67. \_\_\_\_\_ is part of user documentation.

\_\_\_\_\_ उपयोगकर्ता दस्तावेज़ का हिस्सा है।

- (A) Class Diagram
- (B) Code Comment
- (C) Use Case
- (D) Installation Guide / user manual / help**

Which of the following language is nearest to human language?

68. निम्नलिखित में से कौन सी भाषा मानव भाषा के सबसे निकट है?

- (a) High level language
- (b) Low level language
- (c) C++
- (d) both a and c**

69. Which of the following language is written in 0 and 1?

निम्नलिखित में से कौन सी भाषा 0 और 1 में लिखी गई है?

- (a) ASP
- (b) Low level language**
- (c) PHP
- (d) both a and c

70. Top-down approach is followed in structural programming.

संरचनात्मक प्रोग्रामिंग में टॉप-डाउन दृष्टिकोण का पालन किया जाता है।

(A) True

(B) False

(C) Can't say

(D) May be

71. A \_\_\_\_\_ scans the entire program and translates it as a whole into machine code.

एक \_\_\_\_\_ पूरे प्रोग्राम को स्कैन करता है और इसे संपूर्ण मशीन कोड में अनुवादित करता है।

(A) Compiler

(B) Interpreter

(C) Debugger

(D) None of the above

72. What is a list comprehension in Python?

A A concise way to create lists

B A method to iterate through lists

C A type of Python comprehension

D A special function for lists

73. Which of the following language needs assembler for translation?

निम्नलिखित में से किस भाषा को अनुवाद के लिए असेंबलर की आवश्यकता होती है?

- (a) High level language
- (b) PHP
- (c) assembly language**
- (d) C#

74. What is true about complex numbers?

सम्मिश्र संख्याओं के बारे में क्या सत्य है?

**The real and imaginary component can be float**

The real part should be an integer.

Scientific notation cannot be used in complex number

75. Software mistakes during coding are known as \_\_\_\_\_.

कोडिंग के दौरान सॉफ्टवेयर गलतियों को \_\_\_\_\_ के रूप में जाना जाता है।

- (A) errors
- (B) bugs**
- (C) failures
- (D) defects

76. Which of the following software is required to run the hardware ?

हार्डवेयर को चलाने के लिए निम्नलिखित में से किस सॉफ्टवेयर की आवश्यकता होती है?

- (A) Task Manager

- (B) Task Bar
- (C) Program Manager
- (D) Device Driver**

**77. In Which of the following language, all the instructions must be written in order and the user has to follow the order?**

निम्नलिखित में से किस भाषा में सभी निर्देश क्रम में लिखे जाने चाहिए और उपयोगकर्ता को आदेश का पालन करना चाहिए?

- (A). procedural languages**
- (B). non procedural languages
- (C). object oriented languages
- (D). None of these

**78. The inability to reuse the code is a disadvantage of ?**

कोड का पुनः उपयोग करने में असमर्थता किसका नुकसान है?

- (A). procedural languages**
- (B). non procedural languages**
- (C). object oriented languages**
- (D). None of these**

**79. Debugging is the process of fixing a \_\_\_\_\_ in the software.**

डिबगिंग सॉफ्टवेयर में \_\_\_\_\_ को ठीक करने की प्रक्रिया है।

- (A) procedure

537. What will be output for the following code ?

निम्नलिखित कोड के लिए आउटपुट क्या होगा?

```
import numpy as np  
a = np.array([[1,2,3],[0,1,4]])  
print (a.size)  
(A) 1  
(B) 5  
(C) 6  
(D) 4
```

538. What is the output of the following code ?

निम्नलिखित कोड के लिए आउटपुट क्या होगा?

```
import numpy as np  
a = np.array([1,2,3])  
print(a.ndim)  
(A) 1  
(B) 2  
(C) 3  
(D) 0
```

539. Which function is used to write data in binary mode ?

बाइनरी मोड में डेटा लिखने के लिए किस फ़ंक्शन का उपयोग किया जाता है?

- (A) write
- (B) writelines
- (C) dump**
- (D) pickle

540. What will be output for the following code ?

```
import numpy as np
```

a = np.array([[[1,2,3,5,8]]])

print (a.ndim)

(A) 0

(B) 1

(C) 2

**(D) 3**

**541. What will be output for the following code ?**

import numpy as np

a = np.array( [2, 3, 4, 5] )

print(a.dtype)

(A) int 32

**(B) int64**

(C) float

(D) None of these

**542. What is the output of the following program?**

print(chr(ord(chr(97))))

**A. a**

B. A

C. 97

D. error

**543. The \_\_\_\_\_ function returns its argument with a modified shape,  
whereas the \_\_\_\_\_ method modifies the array itself.**

\_\_\_\_\_ फ़ंक्शन अपने तर्क को एक संशोधित आकार के साथ लौटाता है, जबकि \_\_\_\_\_  
विधि सरणी को ही संशोधित करती है।

**a) reshape, resize**

- b) resize, reshape
- c) reshape2, resize
- d) all of the mentioned

544. Does Lambda contains return statements?( क्या लैम्ब्डा में रिटर्न स्टेटमेंट हैं?)

- a) Yes
- b) No**
- c) Can't say
- d) may be

545. The \_\_\_\_ mode of Python gives instant result of typed statement.( पायथन का \_\_\_\_ मोड टाइप किए गए स्टेटमेंट का तुरंत परिणाम देता है।)

- (a) Interactive mode**
- (b) Script mode
- (c) Combination of interactive and script modes
- (d) All of these

New Ideas YT  
By Satyam Sahu  
**Best of Luck**

# NEW IDEAS YT

## बैच ज्वाइन करें

### भारत का NO. 1 चैनल

[www.examjila.com/courses.php](http://www.examjila.com/courses.php)

अधिक जानकारी के लिए सम्पर्क करें: 7607418817

O Level, A Level, CCC, Competitive Computer etc.



-:Free Online Test:-

(हिंदी में) : [www.examjila.com/online-test](http://www.examjila.com/online-test)

(In English) : [www.primegyan.com/online-test](http://www.primegyan.com/online-test)

**ENROLL NOW**

Since 2019  
लाखो STUDENTS  
का भरोसा

By Sahu Satyam



Paper Code	Paper Name	Price	Full Details
<b>O Level</b>			
M1-R5.1 Full Batch	IT Tools & Network Basics	Rs. 221	<a href="#">View Details</a>
M2-R5.1 Full Batch	Web Designing and Publishing	Rs. 222	<a href="#">View Details</a>
M3-R5.1 Full Batch	Python Programming	Rs. 223	<a href="#">View Details</a>
M4-R5.1 Full Batch	IOT and Its application	Rs. 224	<a href="#">View Details</a>
M1,M2,M3,M4 Full Batch	All Paper Full Batch	Rs. 945	<a href="#">View Details</a>
M1,M2 Full Batch	Both Paper Full Batch	Rs. 399	<a href="#">View Details</a>
M3,M4 Full Batch	Both Paper Full Batch	Rs. 399	<a href="#">View Details</a>
M1-R5.1 (PR1)	Only Practical Batch IT Tools	Rs. 91	<a href="#">View Details</a>
M2-R5.1 (PR2)	Only Practical Batch Web Design	Rs. 92	<a href="#">View Details</a>
M3-R5.1 (PR3)	Only Practical Batch Python	Rs. 93	<a href="#">View Details</a>
M4-R5.1 (PR4)	Only Practical Batch IOT	Rs. 94	<a href="#">View Details</a>
M1,M2,M3,M4 Full Batch	All Paper Practical Batch Only	Rs. 299	<a href="#">View Details</a>
M1-R5.1 MCQ	Only MCQs Batch IT Tools	Rs. 81	<a href="#">View Details</a>
M2-R5.1 MCQ	Only MCQs Batch Web Design	Rs. 82	<a href="#">View Details</a>
M2-R5.1 MCQ	Only MCQs Batch Python	Rs. 83	<a href="#">View Details</a>
M2-R5.1 MCQ	Only MCQs Batch IOT	Rs. 84	<a href="#">View Details</a>
M1,M2,M3,M4 MCQ Batch	All Paper Only MCQs Batch	Rs. 279	<a href="#">View Details</a>
<b>A Level</b>			
A5-R5.1	Data Structure through object oriented programming	Rs. 255	<a href="#">View Details</a>
A6-R5.1	Computer Organization and Operating System	Rs. 256	<a href="#">View Details</a>
A7-R5.1	Databases Technologies	Rs. 299	<a href="#">View Details</a>
A8-R5.1	Systems Analysis, Design and Testing	Rs. 258	<a href="#">View Details</a>
A9.2-R5.1	Web Application Development using PHP	Rs. 299	<a href="#">View Details</a>
A10.2-R5.1	Full Stack Web Development using MVC Framework	Rs. 260	<a href="#">View Details</a>
A5,A6,A7,A8	All Paper (A5, A6, A7, A8)	Rs. 999	<a href="#">View Details</a>
A5,A6,A7,A8,A9,A10	All Paper (A5, A6, A7, A8,A9.2, A10.2)	Rs. 1229	<a href="#">View Details</a>

**Note :** Price are Changeable time to time. FOR Latest Price Visit [www.examjila.com/courses](http://www.examjila.com/courses)