(i) list Answers: (a) (iv) (g) (ii) (m) (i) SOLVED QUESTIONS	(ii) diction (b) (iii) (h) (iii) (n) (i)		(iii) array (d) (i) (j) (i) (p) (i)	(iv (e) (ii) (k) (iii) (q) (i)	(1) (1)
--	--	--	--	---	---------

- 1. What is Python?
- Ans. Python is a high-level, interpreted, dynamic, Object-Oriented Programming Language that support
 - 2. Why is Python interpreted?
- Ans. Python is interpreted because the program is processed at runtime by the interpreter and we do not need
 - 3. Who developed Python?
- Ans. Python was developed by Guido van Rossum in the early nineties at the National Research Institute for
 - 4. Why is Python easy to learn?
- Ans. Python has relatively few keywords, simple structure and a clearly defined syntax. This allows the student to understand and work easily in a relatively short period of time.
 - 5. Write any one feature of Python library.
- Ans. Python library is very portable and cross-platform compatible with UNIX, Windows and Macintosh.
 - 6. Is Python a compiler language or an interpreter language?

- [HOTS]
- Ans. The normal execution of Python program is interpreted. However, subsets of the language can be compiled.
 - 7. State some distinguishable features of Python.
- Ans. Python is a modern, powerful, interpreted language with objects, modules, exceptions (or interrupts) and automatic memory management.

Salient Features of Python are:

- Simple and Easy: Python is a simple language that is easy to learn.
- Free/Open source: Anybody can use Python without the need to purchase a licence.
- · High-level Language: Being a high-level language, it can be easily understood by the user without the need to be concerned with low-level details.
- Portable: Python codes are machine and platform-independent.
- Extensible and Embeddable: Python programs support usage of C/C++ codes.
- Standard Library: Python standard library contains pre-written tools for programming.
- 8. Distinguish between Java and Python.
- Ans. Java and Python can be distinguished on the following bases:
 - Python programs run slower than Java codes, but Python saves much time and space. Python programs are 3 to 5 times smaller than Java programs.