

# CS & IT ENGINEERING

**Operating System**

**Process Management**

**DPP 02**

**Discussion Notes**



**By- Anjnee Bhatnagar ma'am**

## TOPICS TO BE COVERED

01 Question

02 Discussion

**Q.1**

Consider the following statements:

- (i) Program when utilizing computer's resources is known as process. *True*
- (ii) A program performing, I/O operation is considered as a process. *True*

Which of the following is correct?

**[MCQ]**

- A. Only (i) is correct.
- B. Only (ii) is correct.
- C. Both (i) and (ii) are correct.
- D. Both (i) and (ii) are incorrect.

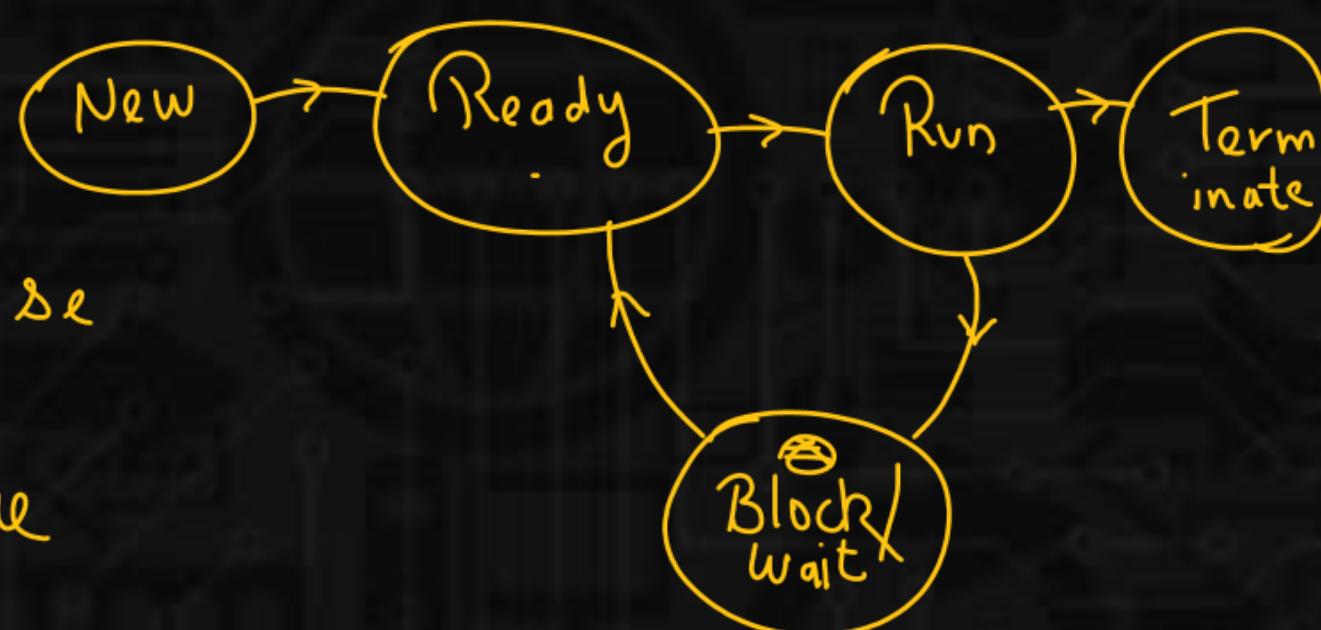
**Q.2**

Which of the following is/are correct?

**[MSQ]**

P  
W

- A. A process is an instance of a program. *True*
- B. A program loaded into main memory but it is not running currently is known as process. *True*
- C. Program is created from a process. *False*
- D. Process is created from a program. *True*



**Q.3**

Match the following:

- |                                  |                                |
|----------------------------------|--------------------------------|
| (i) Context switching            | 1. Dispatcher                  |
| (ii) Message passing             | 2. Long term Scheduler         |
| (iii) Degree of multiprogramming | 3. Process creation            |
| (iv) Fork()                      | 4. Inter process communication |

Select the correct code from the following:

**[MCQ]**

A. ✗ (i)- 4, (ii)- 1, (iii)- 2, (iv)- 3

B. ✗ (i)- 4, (ii)- 1, (iii)- 3, (iv)- 2

C. (i)- 1, (ii)- 4, (iii)- 3, (iv)- 2

D. ✓ ✓ ✓ ✓ (i)- 1, (ii)- 4, (iii)- 2, (iv)- 3

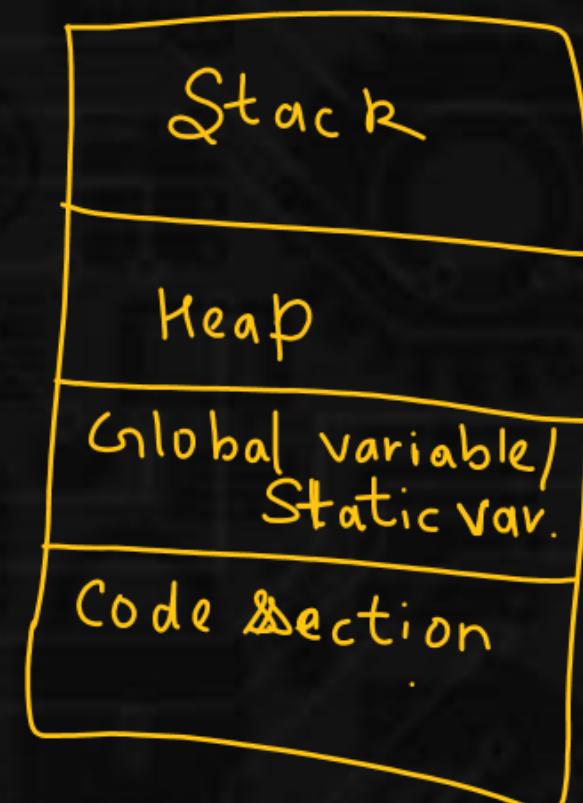
**Q.4**

The memory area where all instructions of a program is stored is known as \_\_\_\_\_.

P  
W

**[MCQ]**

- A. Heap
- B. Program Block
- C. Code section
- D. Instruction space.



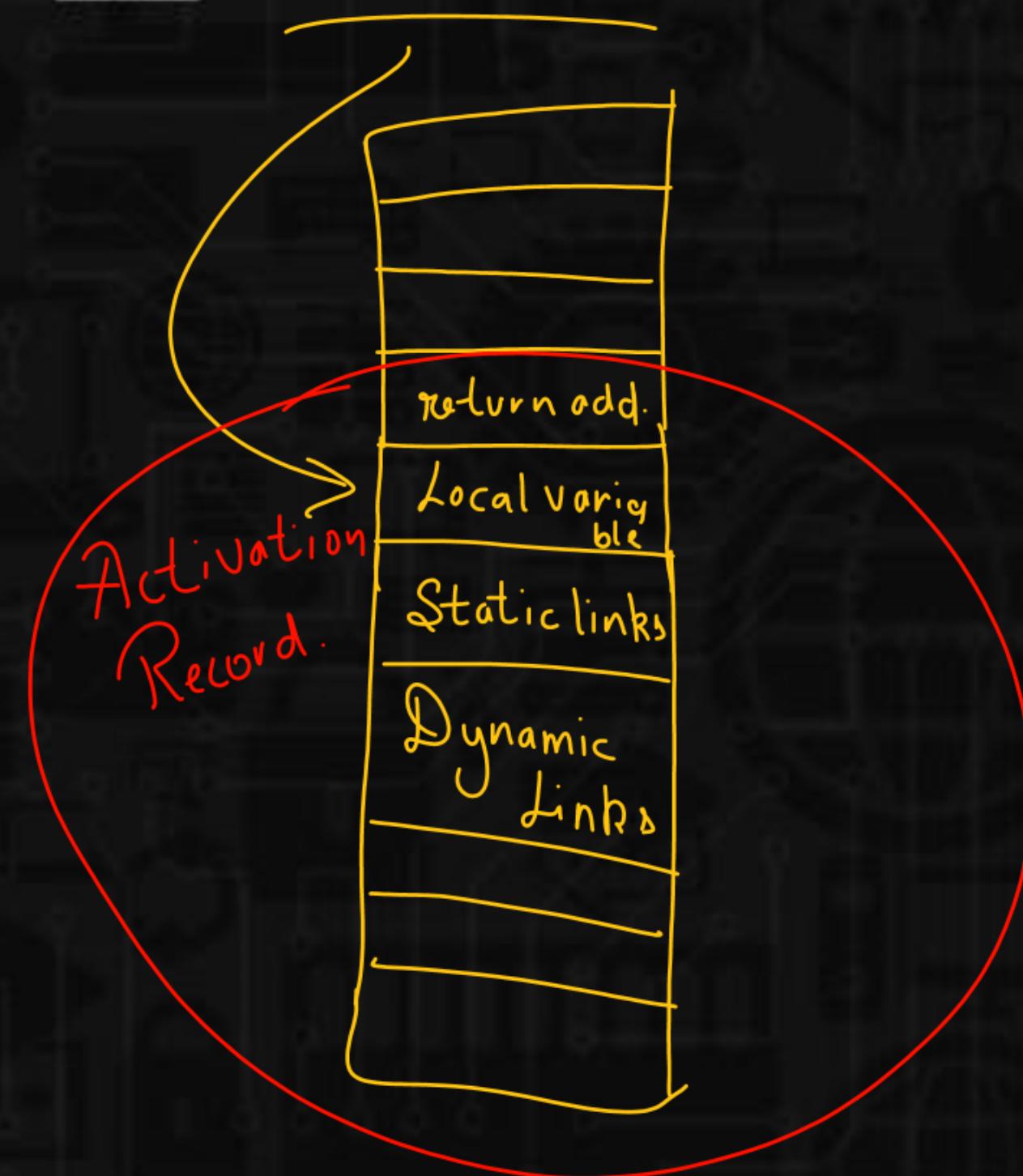
**Q.5**

Runtime stack contains \_\_\_\_ of function calls.

**[MCQ]**

P  
W

- A. Code
- B. Activation record
- C. Dynamic data
- D. Instructions



**Q.6**

How many of the following operations can be performed on a process?

P  
W

**[NAT]**

- (i) Creation ✓
- (ii) Dispatch ✓
- (iii) Execute ✓
- (iv) Block ✓
- (v) Terminate ✓

5

**Q.7**

Which of the following is/are correct?

**[MSQ]**

P  
W

- A. A suspended process resides in memory. *False*
- B. A blocked process resides in memory. *True*
- C. A suspended process resides on disk. *True*
- D. A blocked process resides on disk. *False*

**Q.8**

Information stored inside a process control block is known as \_\_\_\_\_ of process.

P  
W

**[MCQ]**

- A. Schedule
- B. Details
- C. Context.
- D. Data

