

# High Performance Computing (HPC) MCQs [set-17]

**401. The Prefix Sum Operation can be implemented using the?**

- A. all-to-all broadcast kernel.
- B. all-to-one broadcast kernel.
- C. one-to-all broadcast kernel
- D. scatter kernel

Answer: A

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**402. In the scatter operation?**

- A. single node send a unique message of size m to every other node
- B. single node send a same message of size m to every other node
- C. single node send a unique message of size m to next node
- D. none of above

Answer: A

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**403. The gather operation is exactly the inverse of the?**

- A. scatter operation
- B. broadcast operation
- C. prefix sum
- D. reduction operation

Answer: A

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**404. Simplifies applications of three-tier architecture is \_\_\_\_\_?**

- A. maintenance
- B. initiation
- C. implementation
- D. deployment

Answer: D

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**405. Dynamic networks of networks, is a dynamic connection that grows is called?**

- A. multithreading
- B. cyber cycle

- C. internet of things
- D. cyber-physical system

Answer: C

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**406. In which application system Distributed systems can run well?**

- A. hpc
- B. . htc
- C. hrc
- D. both a and b

Answer: D

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**407. In which systems desire HPC and HTC?**

- A. adaptivity
- B. transparency
- C. dependency
- D. secretive

Answer: B

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**408. No special machines manage the network of architecture in which resources are known as?**

- A. peer-to-peer
- B. space based
- C. tightly coupled
- D. loosely coupled

Answer: A

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**409. Significant characteristics of Distributed systems have of ?**

- A. 5 types
- B. 2 types
- C. 3 types
- D. 4 types

Answer: C

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**410. Built of Peer machines are over?**

- A. many server machines
- B. 1 server machine
- C. 1 client machine

D. many client machines

Answer: D

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**411. Type HTC applications are?**

- A. business
- B. engineering
- C. science
- D. media mass

Answer: A

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**412. Virtualization that creates one single address space architecture that of, is called?**

- A. loosely coupled
- B. peer-to-peer
- C. space-based
- D. tightly coupled

Answer: C

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**413. We have an internet cloud of resources In cloud computing to form?**

- A. centralized computing
- B. decentralized computing
- C. parallel computing
- D. all of these

Answer: D

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**414. Data access and storage are elements of Job throughput, of \_\_\_\_\_?**

- A. flexibility
- B. adaptation
- C. efficiency
- D. dependability

Answer: C

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**415. Billions of job requests is over massive data sets, ability to support known as?**

- A. efficiency
- B. dependability
- C. adaptation
- D. flexibility

Answer: C

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**416. Broader concept offers Cloud computing .to select which of the following?**

- A. parallel computing
- B. centralized computing
- C. utility computing
- D. decentralized computing

Answer: C

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**417. Resources and clients transparency that allows movement within a system is called?**

- A. mobility transparency
- B. concurrency transparency
- C. performance transparency
- D. replication transparency

Answer: A

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**418. Distributed program in a distributed computer running a is known as?**

- A. distributed process
- B. distributed program
- C. distributed application
- D. distributed computing

Answer: B

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**419. Uniprocessor computing devices is called\_\_\_\_\_?**

- A. grid computing
- B. centralized computing
- C. parallel computing
- D. distributed computing

Answer: B

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**420. Utility computing focuses on a\_\_\_\_\_ model?**

- A. data
- B. cloud
- C. scalable
- D. business

Answer: D

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**421. What is a CPS merges technologies?**

- A. 5c
- B. 2c
- C. 3c
- D. 4c

Answer: C

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**422. Aberration of HPC?**

- A. high-peak computing
- B. high-peripheral computing
- C. high-performance computing
- D. highly-parallel computing

Answer: C

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**423. Peer-to-Peer leads to the development of technologies like?**

- A. norming grids
- B. data grids
- C. computational grids
- D. both a and b

Answer: D

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**424. Type of HPC applications of?**

- A. management
- B. media mass
- C. business
- D. science

Answer: D

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**425. The development generations of Computer technology has gone through?**

- A. 6
- B. 3
- C. 4
- D. 5

Answer: D

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