**Which type of caching can be used to cache the contest registration page in a website, to reduce the time taken to serve the page for the users?**

Application Cache

**A cache is a .**

Small and Fast memory

**In which type of cache, application directly interacts with database for data that is not available in the cache?**

Cache-aside

**In which type of cache, application treats cache as the main data store and reads data from it and writes data to it? (I) Read Through/Write Through Cache (II) Cache-aside**

I

**Which of the following is true about a well designed cache?**

Hit Rate > Miss Rate

**A web page displays 10 items per page and has pagination enabled. What would be the recommended way to enable efficient paging?**

Use Spatial Cache

**Line size in a cache is recommended to be a power of 2.**

True

**Which type of cache reference locality aims at designing cache to store the entire block near the Recently Referenced Data? (I) Temporal Locality (II) Spatial Locality**

II

**Which of the following types of data exhibits Spatial Locality?**

Array

**Which type of cache reference locality aims at designing cache to store "Recently Referenced Data" assuming that the same data will be requested frequently?**

Only Temporal Locality

**Which of the following Cache Eviction techniques consider Locality?**

Least Recently Used

**Which of the following is true about the cache?**

Line size == Block size

**When a computer processor does not gets a data item that it requires in cache, then the problem is known as \_\_\_\_\_\_\_\_\_.**

Cache Hit

**Which type of cache is recommended to store user preferences for an application with several 100's of concurrent users?**

On Demand Cache

**While using a Write Back cache, which of the following policies needs to be abided?**

Write Allocate

**Caching Technique where cache is populated the first time a certain piece of data is requested is called \_\_\_\_\_\_\_\_\_.**

Lazy Loading

**Primary objective of Cache Coherence is to ensure \_\_\_\_\_\_\_\_\_\_.**

Data Consistency across all local caches

**Which of the following in a cache address, specifies the exact location in the cache line where the requested data exists?**

Block Index

**For a cache look up to be a Hit, which of the following must be true?**

Tag==Block Offset and Valid Bit = 0

**Cache Performance or Average Memory Access time (AMAT) depends on which of the following?**

All options mentioned

**Which Cache would be the best place to cache DNS data?**

Proxy