**1. Which is not the property of hdfs-site.xml file?**

a. Block size

b. Replication factor

c. Secondary NameNode port address

d. Application server

Answer :: d. Application Server

**2. What are the properties that we can edit in hdfs-site.xml file?**

a. Block size

b. Replication factor

c. Block reporting interval

d. All the above

Answer: d. All the Above

**5. How many blocks of size 128MB will be allocated for a file of size 524288KB:**

a. 2

b. 3

c. 4

d. 5

Answer :: c. 4. 524288 KB = 512 MB. So 4 blocks of 128 MB

**6. MapReduce Job client calculates the input split by:**

a. Figuring the first and last whole records in the block

b. Figuring only the first block

c. Figuring only the last block

d. None of these

Answer :: a. Figuring the first and last whole records in the block (Input splits came into picture in case the any record of a block is spilled over another block. So it keeps track of first and last whole record in a block)

**7. Mappers are directly related to:**

a. Input data

b. Input splits

c. Output data

c. Output splits

Answer :: b. Input Splits

**8. After data is written in an HDFS file, HDFS does not provide any guarantee that data are visible to a new reader until the file is \_\_\_\_\_\_**

a. closed

b. opened

c. writing

d. reading

Answer :: c. writing

**9. What mechanism does Hadoop use to make namenode resilient to failure?**

a. Take backup of filesystem metadata to a local disk and a remote NFS mount

b. Store the filesystem metadata in cloud

c. Use a machine with at least 12 CPUs

d. Using expensive and reliable hardware

Answer :: d. Using expensive and reliable hardware (NameNode is a single point of failure. So namenode cannot be cheap commodity hardware it should be highly reliable hardware)

**10. All the files in a directory in HDFS can be merged together using:**

a. getmerge

b. putmerge

c. remerge

d. mergeall

Answer :: d.mergeall