

WORD LIST-2 (MAY 30, 2023)

1. **supercomputer** (noun) - a computer with a high level of performance. It is the fastest computer that can process a significant amount of data very quickly.
2. **forecast** (noun) – prediction, indication, projection, prognosis, speculation, calculation (of future events or trends).
3. **high performance computing (HPC)** (noun) - High Performance Computing most generally refers to the practice of aggregating computing power in a way that delivers much higher performance. High Performance Computing (HPC) plays an important role in both scientific advancement and economic competitiveness of a nation - making production of scientific and industrial solutions faster, less expensive, and of higher quality.
4. **arguably** (adverb) - likely, possibly, probably, maybe.
5. **Atos** (noun) - it is an information technology service and consulting company with headquarters in Bezons, France, and offices worldwide.
6. **run** (verb) – operate, function, work.
7. **Indian Institute of Tropical Meteorology (IITM)** (noun) – it is a scientific institution based in Pune, Maharashtra, India for expanding research in tropical Indian Ocean of the tropics in general with special reference to monsoon meteorology, and air-sea interaction of South Asian climate.
8. **tropical** (adjective) – relating to the region of the Earth near to the equator and between the Tropic of Cancer in the northern hemisphere and the Tropic of Capricorn in the southern hemisphere.
9. **meteorology** (noun) – the science that deals with the study of the atmosphere and its phenomena, especially with weather and weather forecasting.
10. **National Centre for Medium Range Weather Forecasting (NCMRWF)** (noun) - It is a Centre of Excellence in Weather and Climate Modelling under the Ministry of Earth Sciences. The mission of this Noida based Centre is to continuously develop advanced numerical weather prediction systems, with increased reliability and accuracy over India and neighbouring regions through research, development and demonstration of new and novel applications, maintaining highest level of knowledge, skills and technical bases.

Note:

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11. Mihir and Pratyush (noun) – Mihir and Prathyush are the supercomputers established at National Centre for Medium Range Weather Forecast (NCMRWF), Noida and Indian Institute of Tropical Meteorology (IITM), Pune respectively.
12. predecessor (noun) – (of a machine) previous model.
13. sophisticated (adjective) – advanced, ultra-modern; complex, complicated, elaborate, intricate.
14. fortnightly (adjective) – happening every two weeks.
15. premise on (verb) – base something on.
16. simulate (verb) - generate, produce a computer model of something.
17. state (noun) - condition.
18. atmosphere (noun) – a gaseous envelope/cover gravitationally bound to a celestial body (e.g., a planet, its satellite, or a star).
19. buzzword (noun) – a very popular word/phrase at a particular time/event.
20. flux (noun) – something that constantly changes; instability, unsteadiness, unpredictability.
21. decade (noun) – a period of ten years.
22. modelling (noun) – the use of mathematical models to make calculations or predictions; (A simulation is the process of using a model to study the behavior and performance of an actual or theoretical system).
23. artificial intelligence (AI) (noun) – an area of computer science that deals with giving machines the ability to seem like they have human intelligence.
24. possession (noun) - the state of having something.
25. medallion (noun) - a large medal (given as an award).
26. signify (verb) - indicate, suggest, signal, point to, reveal.
27. prowess (noun) - skill, expertise, proficiency, knowledge.
28. Centre for Development of Advanced Computing (C-DAC) (noun) - Centre for Development of Advanced Computing (C-DAC) is the premier R&D organization of the Ministry of Electronics and Information Technology (MeitY) for carrying out R&D in IT, Electronics and associated areas.

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29. **Petaflops (PFLOPS)** (noun) - a measure/unit of a computer's processing speed, consisting of quadrillion (10^{15}) floating-point operations per second.
30. **Floating point operations per second (FLOPS)** (noun) - In computers, FLOPS are floating-point operations per second. Floating-point is, according to IBM, "a method of encoding real numbers within the limits of finite precision available on computers." Using floating-point encoding, extremely long numbers can be handled relatively easily.
31. **handful** (adjective) – few; a small amount, number, or quantify.
32. **reassurance** (noun) – incentive, inspiration, optimism, relief/reward, boost, encouragement.
33. **intractable** (adjective) – unmanageable, uncontrollable, ungovernable.
34. **tap** (verb) – make use of, put to use, use, utilize, deploy, exploit.
35. **behemoth** (noun) – a large and powerful organization.
36. **breakthrough** (noun) – very important/significant development or progress.
37. **on the back of** (phrase) – due to, as a result of, because of.
38. **accounting** (noun) - consideration.
39. **content with** (verb) – be satisfied, accept.
40. **epithet** (noun) – nickname, byname, label/tag; description, designation, characterization.

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