

2022 Entrance Test

I. Read the text and answer the questions that follow.

As new technologies are being developed, innovation around the application of existing technology is rapidly changing how organizations operate and how we interact with the world. Leaps in computing capacity, data capture and connectivity are accelerating this change. Here are several areas to watch in 2022 and beyond.

Artificial intelligence (AI) is about machines with human attributes - speaking, reading, seeing and even recognizing emotions. Using algorithms that adapt to location, speech or user-history machines can perform dangerous tasks more accurately or much faster than humans. Within a few years, analysts predict that all software will use AI at some level, according to US research and advisory firm Gartner.

Robotics and automation go back to the 1960s. Nowadays, advances in machine learning and connectivity, for example, put automation firmly at the forefront of technology trends. From convenient devices at home to industrial and manufacturing applications on a massive scale, automation will be a key focus of technological change, with potentially far-reaching economic and social consequences.

Internet of Things (IoT). The combination of technologies and the connection of people, devices, content and services is the foundation for new business models, platforms and possibilities that will transform how we live and work, with implications that go far beyond the technology itself and involve disciplines such as law, economics, business and politics. It is clear that opportunities will exist for those with the technical knowledge to connect platforms, as well as for those with the data analytics skills to utilize the rich stream of information generated by IoT applications.

(After: <https://www.uts.edu.au/about/faculty-engineering-and-information-technology/postgraduate/articles/five-tech-trends-2022>)

1. *What is the best title for the passage?*
 - a. 2022 trends for data
 - b. Trends for 2022
 - c. Tech trends for 2022
 - d. **Three tech trends for 2022**

2. *The underlined phrase this change refers to*
 - a. innovation around the application of existing technology
 - b. leaps in computing capacity, data capture and connectivity
 - c. **how organizations operate and how we interact with the world**
 - d. several areas to watch

3. *Artificial intelligence (AI) is about*
 - a. the history of emotions
 - b. **building intelligent machines**
 - c. explaining the origin of life
 - d. discovering the structure of matter

4. *Automation is likely to have*
 - a. **significant consequences**
 - b. minor consequences
 - c. negative consequences
 - d. undesired consequences

5. *Internet of Things (IoT)* is a revolutionary approach for future technology enhancement
- and the traditional way of living
 - but it is not efficient, comfortable and reliable
 - but it only provides services
 - and it will continue to merge with other technologies and spheres**
6. The underlined word/phrase rapidly could best be replaced by which of the following:
- slowly
 - surely
 - quietly
 - d. quickly**
7. The underlined word/phrase interact could best be replaced by which of the following:
- a. to communicate**
 - to study
 - to change
 - to transform
8. The underlined word/phrase adapt could best be replaced by which of the following:
- refer
 - apply
 - c. adjust**
 - according
9. The underlined word/phrase more accurately could best be replaced by which of the following:
- safely
 - b. exactly**
 - repeatedly
 - incompletely
10. The underlined word/phrase predict could best be replaced by which of the following:
- a. foresee**
 - forbid
 - deny
 - reply
11. The underlined word/phrase for example could best be replaced by which of the following:
- cf.
 - ibid.
 - i.e.
 - d. e.g.**
12. The underlined word/phrase trends could best be replaced by which of the following:
- tendency
 - data
 - instructions
 - d. tendencies**
13. The underlined word/phrase according to could best be replaced by which of the following:
- as agreed upon
 - as a result of
 - as a matter of fact
 - d. as reported by**
14. The underlined word/phrase clear could best be replaced by which of the following:
- shiny
 - bright
 - obscure
 - d. obvious**
15. The underlined word/phrase opportunities could best be replaced by which of the following:
- some options
 - b. good chances**
 - strict rules
 - lucky happenstance

II. Choose the correct option:

16. _____ engineers get an MBA for a career change.
- Much
 - The most
 - c. Most**
 - When most
17. Established _____ to cash include cards (mostly credit or debit).
- alternative
 - and an alternative
 - the alternatives
 - d. alternatives**
18. These and other advances will _____ fundamental changes.
- brings
 - brought
 - c. bring**
 - bringing
19. Such a complicated system _____ necessary.
- not
 - b. isn't**
 - no
 - never
20. In October 2011, a key amendment to this reform _____ into force.
- comes
 - has come
 - c. came**
 - will come
21. How can you be sure _____ that?
- in
 - at
 - for
 - d. of**
22. This technology is widely _____ nowadays.
- a. used**
 - using
 - uses
 - use
23. Programs will commonly ask you to choose a location _____ a file.
- a. to save**
 - save
 - saved
 - saves
24. Much of the information available is incomplete or only _____ true.
- part
 - parts
 - part of
 - d. partly**
25. It used to work, _____ a little.
- least
 - b. at least**
 - the least
 - last but not least