

INTERNATIONAL OLYMPIAD OF FUTURE TECHNOLOGIES

Sample Paper – Group III(Grade IX to XII)

- Review these sample questions to help familiarize yourself with the International Olympiad of Future Technologies.
- Register to get FREE Olympiad e-guide to learn and prepare for the exam.
- You can download the syllabus and learning details from the website www.zenikolympiad.com.
- This sample paper is based on MCQ pattern. There are 4 options out of which only one is correct.

1. Which characteristics define a robot?

- a) Multifunction ability
- b) Ability to be programmed
- c) Autonomous operation
- d) All of the above

2. If a robot's output is typically carried out by "actuators", what input devices are found on a robot?

- a) Google Glasses
- b) Sensors
- c) Keypads
- d) VR Headsets

3. Which of the following is an example of a “phishing” attack?
 - a) Sending someone an email that contains a malicious link that is disguised to look like an email from someone the person knows
 - b) Creating a fake website that looks nearly identical to a real website in order to trick users into entering their login information
 - c) Sending someone a text message that contains a malicious link that is disguised to look like a notification that the person has won a contest
 - d) All of the above

4. Themes of digital citizenship are
 - a) Digital Access
 - b) Digital Law
 - c) Digital Literacy
 - d) All of these

5. Which of these is a tool used in Artificial Intelligence?
 - a) Art
 - b) Design
 - c) Input
 - d) Neural networks

6. An absolute limit to the distance over which teleoperation is practical is imposed by:
 - a) The speed of light.
 - b) The image resolution of the vision system.
 - c) The ability of a robot to determine texture.
 - d) All of the above.

7. Which of these is not an application of Internet of Things in healthcare?

- a) Wearable heart monitors
- b) Special hearing aids
- c) Ante-natal devices
- d) Field drones

8. What amongst the following does blockchain mining involve?

- a) Verifying
- b) Transactions
- c) Releasing new currencies
- d) All of the above

9. Which of the following statements is correct?

- 1. Security will be better with cloud computing
 - 2. Maintenance cost will be lower with cloud computing
- a) 1 is correct
 - b) 2 is correct
 - c) Both 1 and 2 are correct
 - d) None of the above

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10. What does the domain name system (DNS) do on the web ?
- a) It handles HTTP transactions.
 - b) It is an internet markup language.
 - c) It makes numbers dizzying.
 - d) It matches and connects domain names to IP addresses.
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Answers

1. (d)
2. (b)
3. (d)
4. (d)
5. (d)
6. (a)
7. (d)
8. (d)
9. (c)
10. (d)