



**CCC
Internet of Things**

FOUNDATION

Certified by


Sample Exam

Edition 201903

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Introduction

This is the sample exam CCC Internet of Things (IOTF.EN). The Rules and Regulations for EXIN's examinations apply to this exam.

This exam consists of 40 multiple-choice questions. Each multiple-choice question has a number of possible answers, of which only one is the correct answer.

The maximum number of points that can be obtained for this exam is 40. Each correct answer is worth one point. If you obtain 26 points or more you will pass.

The time allowed for this exam is 60 minutes.

Good luck!

Sample Exam

1 / 40

Which protocol is used by Internet to link devices all over the world?

- A) TCP/IP
- B) HTTP
- C) DNS
- D) FTP

2 / 40

Which of the following statements is true?

- A) IoT is the subset of M2M and IoE.
- B) IoE is a superset of IoT and M2M is a subset of IoT.
- C) M2M is a superset of IoT and IoE is a subset of M2M.
- D) IoE is the subset of IoT and M2M.

3 / 40

Which of the following represents the full form of IoE?

- A) Internet of Everyday
- B) Internet of Everything
- C) Institute of Education
- D) Institute of Environment

4 / 40

Which of the following statements illustrate the advantage of IoT over M2M?

Statement 1: The cloud-based architecture makes IoT more scalable over M2M.

Statement 2: IoT doesn't need incremental hard-wired connections.

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- A) Statement 1, Statement 3 and Statement 4
- B) Statement 2, Statement 3, and Statement 4
- C) Statement 1, Statement 2, and Statement 3
- D) Statement 1, Statement 2, and Statement 4

5 / 40

Which option expresses the sequential stages of the CPS environment lifecycle?

- A) Sense, Action, Effect, Control
- B) Action, Sense, Effect, Control
- C) Sense, Control, Action, Effect
- D) Action, Effect, Sense, Control

6 / 40

Which of the following two categories will see maximum growth in global corporate profits due to IoT?

- A) Asset utilization and customer experience
- B) Employee productivity and innovation
- C) Asset utilization and innovation
- D) Customer experience and innovation

7 / 40

..... and have contributed towards the growth of IoT.

- A) Cloud computing and cheap processing
- B) Legacy equipment and data analytics
- C) New business models and big data
- D) Cheap sensors and security

8 / 40

Which of the following options contribute to the monetization by cost reduction?

- A) Price differently
- B) Improve efficiency
- C) Increase margin
- D) Identify new markets

9 / 40

Which of the following options is the most basic monetization model of IoT?

- A) Service Revenue
- B) Data Revenue
- C) Ecosystem Building
- D) Hardware Premium

10 / 40

Which of the following options reflects the stages of Maturity model of IIoT?

- A) Conventional, Smart, Software defined, Instrumented, Autonomous
- B) Conventional, Software defined, Instrumented, Smart, Autonomous
- C) Conventional, Autonomous, Smart, Instrumented, Software defined
- D) Conventional, Instrumented, Software defined, Smart, Autonomous

11 / 40

Efficient, intelligent operations, a key way to create new business opportunities, will:

- A) Create new value streams for customers, introduce processes that speed time to market, compare market performance, and respond rapidly to customer needs and requirements.
- B) Allow organizations to quickly capture more data about their operations and products required to create new income generating avenues, improve efficiency, and enhance customer loyalty.
- C) Allow companies to diversify the revenue streams.
- D) Allow access to information from independent end nodes and enable organizations to make precise decisions on pricing, logistics, sales, support deployment, etc.

12 / 40

Which of the following options represents the basic building blocks of IoT?

- A) Sensors, DNS servers, Gateways, Applications
- B) APIs, Gateways, DNS servers, Sensors
- C) Sensors, Processors, Gateways, Applications
- D) LAN, Processors, DNS servers, Applications

13 / 40

All of the following are generic factors which determine the suitability of sensors, **except**:

- A) Resolution
- B) Bandwidth
- C) Noise
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Which of the following options provides intelligence to data?

- A) Sensors
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Which of the following is an IoT application under logistics?

- A) Smart irrigation
- B) Weather monitoring
- C) Smart parking
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Which of the following options is built in IPv6 with the intent of providing security, but absent in IPv4?

- A) Transmission Control Protocol (TCP)
- B) Internet Engineering Task Force (IETF)
- C) Dynamic Host Configuration Protocol (DHCP)
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17 / 40

Which of the following protocols uses "Routing Layer" for transport?

- A) TCP/IP Protocol Stack
- B) Z-Wave
- C) ZigBee
- D) 6LoWPAN

18 / 40

The network connection established by ZigBee is:

- A) Router, coordinator, processor
- B) Coordinator, router, end device
- C) End device, coordinator, processor
- D) End device, router, processor

19 / 40

Which of the following options needs a large network size?

- A) Smart Office
- B) Smart City
- C) Smart Transportation
- D) Smart Retail

20 / 40

Which of the following options is a major challenge for Bluetooth devices?

- A) High power consumption
- B) Less speed
- C) Low transfer rate
- D) Interoperability

21 / 40

Which of the following options provides the expansion of SMACT?

- A) Smart, Media, Achievable, Computing, Things in the Internet
- B) Social, Mobile, Analytics, Cloud, Technology
- C) Social, Mobile, Analytics, Cloud, Things in the Internet
- D) Smart, Media, Analytics, Computing, Techniques

22 / 40

Which of the following options is emerging as the control unit of IoT?

- A) Smart watches
- B) Smartphones
- C) Laptops
- D) Tablets

23 / 40

Which of the following is a characteristic of big data?

- A) Volatility
- B) Volume
- C) Structured
- D) Complexity

24 / 40

Which of the following is a big data analytics application?

- A) Middleware
- B) Data warehouse
- C) Dashboards
- D) Extract Transform Load

25 / 40

The IoT requirement of availability of applications poses which cloud challenge?

- A) Cloud security and privacy
- B) Quality of service assurance
- C) Support for application elasticity
- D) Cloud reliability

26 / 40

Which of the following techniques is used to perform data exploration?

- A) Creating graphs
- B) Statistical modeling
- C) Pre-processing and integration of data
- D) Information discovery

27 / 40

All of the following options contribute in creating better business with lower marketing expenses and improved customer response, **except**:

- A) Advances in data analytics
- B) Huge data created by social media apps and IoT wearables
- C) Automation and robotics
- D) Stringent cyber laws

28 / 40

Which of the following options is an attribute of the velocity characteristic of big data?

- A) Variety
- B) Volume
- C) Time-value
- D) Volatility

29 / 40

Which of the following is a key challenge related to IoT-related security?

- A) Conventional safeguards are less effective
- B) Size of sensors
- C) Big data analytics platform
- D) Compliance requirements are not fulfilled

30 / 40

Insecure Web interfaces can result from which of the following options?

- A) Account enumeration
- B) Insecure network services
- C) Lack of privacy
- D) Insecure cloud interface

31 / 40

Which of the following results in insufficient authorization?

- A) Account enumeration
- B) Account lockout
- C) Cross-site scripting
- D) Lack of two-factor authentication

32 / 40

What is the function of Secure Socket Layer (SSL) and Transport Layer Security (TLS)?

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- B) They provide communications security over a computer network.
- C) They ensure only necessary ports are exposed and available.
- D) They ensure that services are not vulnerable to buffer overflow and fuzzing attacks.

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All of the following measures ensure a secure cloud interface, **except**:

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- A) Ensuring data storage medium cannot be easily removed
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- C) Ensuring the updated file does not contain sensitive data
- D) Ensuring the device has the ability to update

35 / 40

As per HP review of security loop holes in the IoT devices, which of the following is **most** at risk?

- A) Web interface
- B) Encryption
- C) Personal information
- D) Privacy

36 / 40

Which of the following measures is required to secure IoT?

- A) Not using a risk assessment methodology
- B) Creating interoperability between the devices and technologies
- C) Using plain text data in critical systems
- D) Examining Established Programs

37 / 40

Which of the following devices helps in keeping track of calories burnt?

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What was the first recognized IoT device?

- A) Radio
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Answer Key

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20 / 40

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22 / 40

Which of the following options is emerging as the control unit of IoT?

- A) Smart watches
- B) Smartphones
- C) Laptops
- D) Tablets

- A) Incorrect.
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23 / 40

Which of the following is a characteristic of big data?

- A) Volatility
- B) Volume
- C) Structured
- D) Complexity

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24 / 40

Which of the following is a big data analytics application?

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Which of the following is a key challenge related to IoT-related security?

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Evaluation

The table below shows the correct answers to the questions in this set of sample questions.

Question	Answer	Question	Answer
1	A	21	C
2	B	22	B
3	B	23	B
4	C	24	C
5	C	25	D
6	D	26	B
7	A	27	D
8	B	28	C
9	D	29	A
10	D	30	A
11	D	31	D
12	C	32	B
13	B	33	D
14	C	34	A
15	D	35	C
16	D	36	D
17	B	37	B
18	B	38	D
19	C	39	A
20	D	40	D

Contact EXIN

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