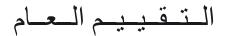
General Assessment التقييم العام



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* Required

Technical Questions

يتكون هذا الجزء من 30 سؤالًا متعدد الخيار ات

الرجاء الإجابة على كل الأسئلة أدناه بأفضل ما لديك. يمكنك إجراء بحث للإجابة عليها ، لكن لا تعمل مع أفراد آخرين. إذا قمت بذلك ، فقد يتم استبعادك

This part of the exam consists of 30 multiple choice questions.

Please answer ALL the questions below to the best of your ability. You may do research to answer them, but DO NOT work with other individuals. If you do, you may be disqualified.

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Which of the following hardware can be alone used as an IoT Gateway? *
Arduino Uno
Raspberry Pi
○ ESP8266 NodeMCU
Both (2) and (3)
O Both (1) and (2)
Which of the following is not a major RPA platform? *
Microsoft Power Automate
○ UiPath
Automation Anywhere
My Virtual Assistant

Which is the main challenge of 5G? *
Security
○ Speed
Latency
○ Usage
Which statement is incorrect about IoT? *
It is a network of interconnected devices.
O Device data can be transferred with the help of the Internet and it can be accessed anywhere with the help of cloud storage.
O loT has four main components sensors/devices, connectivity, data processing, and user interface.
IoT uses only simplex mode for communication.

What will users gain from 5G network slicing? *
The ability to set up multiple connection points to one 5G network
The ability to create multiple virtual networks within a single 5G network
The ability to designate multiple passwords for one 5G network
The ability to utilize connections from other nearby networks
What kind of software is a Database Management System(DBMS)? *
Application Software
System Software
System Software General Software

	n which frequency bands do 5G networks work? *
(Low
(Medium
(High
(All of the above
V	What levels of complexity are there in RPA? *
(None, Low, High
(Low, Medium, High
(Easy, Medium, Hard
(Green, Yellow, Red

!

Which of the following is NOT a possible task in RPA? *
Rule Based
Reading Human Signature
Chat bot
Repetitive
Where can RPA be used? *
Front Office
O Back Office
Both Front & Back Office
None of the above

Which devices have the ability to accept, process, and transmit data over a network?	*
O Data Acquisition System(DAS)	
Network Gateways	
C Edge Analytics Device	
Sensors	
Which of the following are automation technologies?*	
Which of the following are automation technologies? * Selenium	
Selenium	
SeleniumMacros	

!

Which entity developed 5G technology? *
3GPP's
Google
Amazon
○ IBM
Which of the following is considered a type of bot? *
Which of the following is considered a type of bot? * Chat Bot
Chat Bot
Chat Bot Meta Bot

& are types of Automations *
O Java & Python
Attended & Unattended
Semi-Structured & Unstructured
Windows & Mac

What will be the output of the following code? *

- False and False
- False and True
- True and True
- True and False

!

Which of the following options are disadvantages of 5G? *
Battery drain on devices
Initial costs for rollout are high
O Both A and B
None of the above
What are the different transmission modes of the network? *
Wired and Wireless
Synchronous and Asynchronous
Simplex, Half Duplex, and Full Duplex
Wi-Fi and LTE

What is the fifth generation technology standard intended for? *
○ Laptops
○ Televisions
Broadband Cellular Networks
None of above
How spectrum efficiency is measured? *
How many users can connect to one network?
O How many connections can run securely at once?
O How many bits of data can be transmitted to a certain number of users per second?
All of the above

The SQL WHERE clause: *
limits the column data that are returned
limits the row data are returned.
O Both A and B are correct
Neither A nor B are correct
Which protocol is used to connect onboard components of an embedded *system?
12C
Bluetooth
O RS232
○ TCP/IP

Which of the following is not a transportation segment of the 5G network? *	
Access Backhaul	
Regional Core	
O Backbone Core	
Sidehaul Edge	

```
What is the output of the program given below? *

def calculate (num1, num2=3):
    res = num1 * num2
    print(res)
    calculate(4, 5)

12
20
Syntax Error
Runtime Error
```

Which of the following is used in LPWAN technologies? *		
○ GSM		
○ CDMA		
○ LTE		
● LoRA		
What capabilities CANNOT be met by today's (R15) 5G network? *		
1 Mbps Peak, 10 ms latency, 99% Service availability		
20 ms latency, \$10 Unit Cost , 1 year battery		
1 Mbps Peak, 20 ms latency, 99% reliability		
1 Mbps Peak, 1 ms latency, 99.9999% reliability		

What of the following is NOT a common data format used in RPA? *		
O PDF		
APK		
○ csv		
О ТХТ		
Which of the following are OOP concepts? *		
Abstraction		
Encapsulation		
Inheritance		
All of the above		

Which of the following databases is recom applications?	mended for unstructured data for IoT	*		
O Postgres SQL				
Mongo DB				
Microsoft SQL				
None of the above				
Which of the following options is considered a drawback of 5G? *				
The range of 5G connectivity is not greatLatency is too high				
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