Sinhgad Technical Education Society's

Sinhgad Academy of Engineering, Kondhwa [BK], Pune-48

Department of Computer Engineering

Subject: Embedded System and Internet of Things

Unit III MCQ's

Sr. No	Question	Option A	Option B	Option C	Option D	Answer
1	A PIR Sensor stands for:	Proximity Infra-Red	Passive Infra-Red	Picture Infra-Red	None of these	B
2	Machine-to-Machine (M2M) is designed for	isolated systems using proprietary solutions	cross platform integration	home automation only	none of the above	B
3	Which of the following is the advantages in static deployment of sensor nodes in WSN?	Nodes cannot be faulty during the communication	Nodes can switch its mode from active to passive at any time instant	Nodes can be placed in an optimized distance - Reduce the total number of nodes	None of the above	C
4	Which of the following is the primary goal of participatory sensing?	Always get connected with the network	Not just collect data, but allow common people to access data and share knowledg	Centralized data collection	None of these	B

5	In M2M communications, which of the following nodes is/are typically used for general environmental monitoring?	Low-end sensor nodes	Mid-end sensor nodes	High-end sensor nodes	All the above	A
6	In M2M, which of the following is true?	Low-end sensor nodes are always mobile	Both mid-end and high-end sensor nodes are always static	Both low-end and high-end sensor nodes are always mobile	Only High-end sensor nodes are mobile	D
7	SCADA is designed for	Healthcare industries	Isolated systems	Cross platform integration	All the above	B
8	Tic-tac-toe-architecture is designed for	Terrestrial WSN	Underwater WSN	FANET	Vehicular Networks	B
9	Which of the following language is preferred for IoT analytics ?	Python	S	R	All of the mentioned	A
10	Raspbian is:	Assembler	Language	Compiler	OS	D
11	Which of the following is true?	IoT is subset of M2M	M2M is subset of Iot	IoT is subset of CPS	CPS is subset of WoT	B

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12	1. What is the full form of SCADA?	Supervisory Control and Document Acquisition	Supervisory Control and Data Acquisition	Supervisory Column and Data Assessment	Supervisory Column and Data Assessment	B
13	What is SCADA?	Software	Process	System	Hardware	B
14	The control in SCADA is _____	Online control	Direct control	Supervisory control	Automatic control	C
15	Which of the following is an example of the SCADA system?	Emerson Delta V	Honeywell PlantScape	Yokogawa CENTUM	PowerStudio Deluxe	D
16	How many levels are present in a complex SCADA system?	3 – levels	5 – levels	4 – levels	6 – levels	C
17	Which of the following is not the component of a SCADA system?	Database server	I/O system	PLC controller	Sparger controller	D
18	RFID is a part of IoT.	True	False			A
19	RFID stands for?	Random frequency identification	Radio frequency identification	Random frequency information	Radio frequency information	B
20	Which of the following is not involved in working of IoT?	RFID	Sensor	Nano tech	Server	D

21	What attains the information on the RFID tag	Transponder	Pacemaker	Receiver	Retreiver	C
22	What issues are there with RFID?	Country Language	Identity Aquisition	Magnetic removal of information	Dead Zone	B
23	RFID can scan up to _____ items per second.	1	20	25	40	D
24	Which of the following is not a possible use of RFID?	Storage of patient medical records	Television Usage	Checking out books at the Library	Payment at the grocery store	B
25	What current uses are there for RFID	Traffic patterns	Hospital Helocopters	Passport Verification	Mp3 Usage	C

26	Which of the following statements about radio frequency identification (RFID) is *not* true?	RFID systems transmit radio signals over long distances.	RFID systems use tiny tags with embedded microchips containing data about an item and its location	Companies may be required to upgrade hardware and software to accommodate the massive amounts data that are being produced by RFID system	RFID systems provide a powerful technology for tracking the movement of goods throughout the supply chain.	A
27	WSN stands for _____	Wired Sensor Network	Wireless Sensor Network	Wired Service Network	Wireless Service Network	B
28	What is the wireless communications technology used in retail operations to identify and secure merchandise?	RFID	UNII	ISM	Micro sensors	A

29	What industry association develops, publishes, and maintains the standards for wireless networks?	IEEE	UNII	FCC	ISM	A
30	_____ communications mode means that it can both transmit and receive, but only one action at a time.	Multiplexing	Half Duples	Full Duplex	Radio	B
31	Microwaves use _____ propagation	Space	Line of sight	Space	Ground	B
32	Radio communication frequencies range from _____.	3 KHz to 300 KGHz	3 KHz to 300 GHz	300 KHz to 3 GHz	None of these	B
33	Does Raspberry Pi need external hardware?	TRUE	FALSE			B
34	Does RPi have an internal memory?	TRUE	FALSE			A
35	What do we use to connect TV to RPi?	Male HDMI	Female HDMI	Male HDMI and Adapter	Female HDMI and Adapter	C
36	Which instruction set architecture is used in Raspberry Pi?	X86	MSP	AVR	ARM	D

37	What is the default user in Debain on Raspberry Pi?	Default	User	Pi	Root	C
38	What are the distributions are supported by raspberry Pi?	Arch Linux	Debain	Fedora Remix	Arch Linux, Debain, and Fedora Remix	D
39	What bit processor is used in Pi 3?	64 bit	32 bit	16 bit	both a and b	A
40	What is the speed of operation in Pi 3?	900MHz	1.2GHz	1GHz	500MHz	B
41	WiFi is not present in which of the following models?	Raspberry Pi3	Raspberry Pi Zero WH	Raspberry Pi Zero W	Raspberry Pi Zero	D
42	Does micro SD card present in all modules?	TRUE	FALSE			A
43	ow many USB ports are present in Raspberry Pi 3?	5	2	3	4	B
44	API enables services portability between _____	Systems	Devices	Networks	Services	A
45	_____ Services are the way in which the IoT is connected to data.	Cloud	Bigdata	Internet	Network	A

46	_____ are the inter connectors.	Web	Internet	Network	APIs	D
47	Which of the following standard is known as FieldBus?	IEC 61158	IEC 6158	IEC 6115	IEC 61155	A
48	Which of the following WLAN standard has been named Wi-Fi?	IEEE 802.6	IEEE 802.15.4	DSSS IEEE 802.11b	IEEE 802.11g	C
49	How many types of arduinos do we have?	5	6	8	6	C
50	What is the microcontroller used in Arduino UNO?	ATmega328p	ATmega2560	ATmega32114	AT91SAM3x8E	A
51	Arduino shields are also called as _____	Extra peripherals	Add on modules	Connectivity modules	Another Arduinos	B
52	Which is the software or a programming language used for controlling of Arduino?	Assembly Language	C Languages	AVA	Any Language	D
53	Do Arduino provides IDE Environment?	TRUE	FALSE			A
54	A program written with the IDE for Arduino is called _____	IDE source	Sketch	Cryptography	Source code	B

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55	_____ are pre built circuit boards that fit on top of Android.	Sensor	Data types	Breadboard	Sheilds	D
56	PiCam uses a:	USB port for connection	Specific CSI port for connection	Both a and b	None of the above	B
57	Which of the following is not true for Raspberry pi?	It is like a mini computer	It is a microcontroller	Low cost	It can be used without a monitor	B
58	Which of the following is false for an actuator?	It converts energy into motion.	It is same as a sensor.	It provides controlled motion to other objects	None of the above	B