

SYBCA SEM-4					
402-IOT(Internet of Things)					
Unit:4 Introduction to Raspberry pi and Arduiano					
Sr no	Questions	Q-A	Q-B	Q-C	Q-D
1	Raspberry Pi is a _____ board.	ATM Card	Credit Card	Debit Card	Micro Card
2	Raspberry Pi Can be used for	Browsing the web	Creating Documents	Playing Games	All of the above
3	_____ is an open-source electronics platform based on easy-to-use hardware and software.	Arduino	Raspberry Pi	Both A) and B)	None
4	Full form of IDE is	Intergrated Design Environment	Integrated Development Environment	Interrelated Design Environment	None
5	GPIO full form is	General Processing for Input and Output	General Purpose Input/Output	Generally Processing Input/output	None
6	Not Purpose of Raspberry pi is..	Inexpensive	Cross-Platform	Simple	Smart Industry
7	Arduino is an open-source electronics platform.	TRUE	FALSE	Cant say	None
8	Arduino was born at the _____	Ivrea Interaction Design Institute	Interaction Ivrea Design Institute.	Interactive Ivrea Design Institute.	None
9	Arduino is work on	Windows	Mac	Linux platform	All of the above
10	Arduino boards are relatively _____ compared to other microcontroller platforms.	Inexpensive	Expensive	Cant Say	None
11	How power supply is done to RPi?	USB connection	Internal battery	Charger	Adapter
12	What are the distributions are supported by raspberry Pi?	Arch Linux	Debain	Fedora Remix	Arch Linux, Debain, and Fedora Remix
13	What bit processor is used in Pi 3?	64-bit	32-bit	128-bit	Both 64 and 32 bit
14	The Raspberry Pi is defined as the?	Mini computer	Micro Computer	Mega Computer	Nano Computer
15	How much RAM, the Raspberry Pi has?	2GiB of RAM	1GiB of RAM	4GiB of RAM	8GiB of RAM
16	Which is the software or a programming language used for controlling of Arduino?	C Languages	Assembly Language	JAVA	Any Language
17	Arduino is a prototype based on an easy-to-use?	hardware	Software	Both A and B	None of the above
18	A program written with the IDE for Arduino is called _____	IDE source	Sketch	Cryptography	Source code
19	Microcontroller kit for building digital devices known as _____.	Intel Galileo	Arduino device	Both A & B	None of above
20	Low energy beacon device which is used to track the object located at real time is _____.	Bluetooth low energy (BLE) intelligent beacon	Sensor	Samsung gear fit	None of above
21	Properties of IoT device(s) is/are :	Sense	Controlled	Analyze	All of above
22	Building blocks of an IoT device :	Analysis and Processing	Actuation	Sensing	All of above
23	Benefits of Rspberry Pi :	Low cost, Simple	Many interface, open source	Both A & B	None of above
24	Applications of Raspberry Pi are :	Media STreamer, Smart cities	Community Support, Simple	Both A & B	None of above
25	Components of Raspberry Pi are :	USB ports	SD and Slot	Audio Jack	All of above
26	Arduino is a _____.	Microcontroller	Microprocessor	Sensor	Microcontroller Board
27	What is the fullform of MOSI?	Master Out Slave In	Memory Out Source In	Master Out Serial In	Master Out Serial In

28	Which of the pins are used for serial communication in Arduino board?	SPI	TX and RX	GPIO	PWM
29	A _____, is a chip where microprocessor, RAM, and flash memory are incorporated into a single chip.	CPU	Raspberry Pi	microcontroller	Arduino
30	Which of the following allows interfacing sensors and actuators with Raspberry Pi?	through the general purpose I/O pins	through HDMI port	through Ethernet port	through USB port
31	Which of the following allows other predefined modules to be connected with it?	Arduino	Raspberry Pi	Both A & B	None of A & B
32	Which of the following requires operating system to be installed first to operate?	Arduino	Raspberry Pi	Both A & B	None of A & B
33	Raspberry Pi can be programmed using _____ language	C++	Python	Ruby	All of the above
34	Which one of the following is used for multitasking?	Raspberry pi model	Arduino Uno	Both A and B	None of the above
35	What are the advantages of raspberry pi?	Consumes less power	Low-cost	Both A and B	None of the above
36	What are the capabilities of raspberry pi?	Browsing the internet	Word pressing	Making spreadsheets	All of the above
37	Which port is used to plug into monitor or modern television?	Ethernet port	HDMI port	Micro USB power port	None of the above
38	Which is the programming language used for controlling of Arduino?	C Languages	Assembly Language	JAVA	C++
39	How many digital pins are there on the UNO board?	14	12	16	20
40	How power supply is done to RPi?	USB connection	Internal battery	Charger	Adapter
41	Which instruction set architecture is used in Raspberry Pi?	X86	MSP	AVR	ARM
42	The Raspberry Pi is defined as the _____.	Mini computer	Micro computer	Mega computer	Nano computer
43	Raspberry Pi consists of a _____ quad-core processor or microprocessor.	16-bit	32-bit	64-bit	128-bit
44	Which operating system Raspberry Pi has?	Linux	OpenBSD	NetBSD	All of the given
45	Which one of the following is used for multitasking?	Raspberry pi model	Arduino Uno	Both A and B	None
46	What are the advantages of raspberry pi?	Consumes less power	Low-cost	Both A and B	None
47	Which one is used to connect the television to the raspberry pi?	Adapter	Male HDMI	Both A and B	None
48	The input voltage for raspberry pi model B is around	5V	10V	20V	15V
49	How many GPIO pins does raspberry pi model B+ have?	7	12	25	40
50	What is the standard form of MISO pin?	Master In Slave Out	Memory Input Slave Output	Master Out Slave In	None of the above
51	Arduino shields are also called as _____	Another Arduinos	Extra peripherals	Add on modules	Connectivity modules
52	A program written with the IDE for Arduino is called _____	IDE source	Sketch	Cryptography	Source code
53	Which of the following is true?	It is considered superior at software applications.	It was developed to encourage basic learning for computer science students and other growing countries.	It promotes Scratch and Python as the chief programming language	All of the above
54	How much RAM, the Raspberry Pi has?	2GiB of RAM	1GiB of RAM	4GiB of RAM	8GiB of RAM
55	What is the microcontroller used in Arduino UNO?	ATmega328p	ATmega2560	ATmega32114	AT91SAM3x8E
56	Which one has USB, camera, display, audio, and video connections?	Arduino	Raspberry Pi	Both A and B	None of the above
57	Select applications of Microcontroller:	Calculator	Washing machine	Air conditioner (A. C.)	All of the above
58	Statement 1: "Arduino uno have built in Wi-Fi connectivity", Statement 2: "Raspberry Pi model 3 has both ethernet and wifi connectivity".	Statement 1 is False, Statement 2 is False	Statement 1 is False, Statement 2 is True	Statement 1 is True, Statement 2 is False	Statement 1 is True, Statement 2 is True

59	Statement 1: "Raspberry pi is a single board computer", Statement 2: "Raspberry Pi model 3 has both ethernet and wifi connectivity".	Statement 1 is False, Statement 2 is False	Statement 1 is False, Statement 2 is True	Statement 1 is True, Statement 2 is False	Statement 1 is True, Statement 2 is True
60	Statement 1: "Arduino uno has analog and digital pins", Statement 2: "Arduino uno provides both 3.3v and 5v power supply".	Statement 1 is False, Statement 2 is False	Statement 1 is False, Statement 2 is True	Statement 1 is True, Statement 2 is False	Statement 1 is True, Statement 2 is True
61	Statement 1: "Arduino uno has 4GB RAM", Statement 2: "Arduino uno is a microcontroller".	Statement 1 is False, Statement 2 is False	Statement 1 is False, Statement 2 is True	Statement 1 is True, Statement 2 is False	Statement 1 is True, Statement 2 is True
62	A _____, is a chip where microprocessor, RAM, and flash memory are incorporated into a single chip.	CPU	Raspberry Pi	microcontroller	Arduino
63	Which of the following allows interfacing sensors and actuators with Raspberry Pi?	through the general purpose I/O pins	through HDMI port	through Ethernet port	through USB port
64	Low energy beacon device which is used to track the object located at real time is _____.	Bluetooth low energy (BLE) intelligent beacon	Sensor	Samsung gear fit	None of above