उम्मीदवार इस पुस्तिका के सबसे ऊपरी सील को खोलकर पृष्ठ संख्या 2 और 3 के मध्य स्थापित OMR उत्तर शीट को निकाल लें। Candidates should open the top side of the seal of this Booklet and take out the OMR Answer Sheet placed between page no. 2 and 3.

परीक्षा पुस्तिका सं. : Test Booklet No. :

A4-R5 : INTERNET OF THINGS AND ITS APPLICATIONS

परीक्षा पुरितका शृंखला : **21** Test Booklet Series :

Maximum Marks: 100

अधिकतम अंक : 100

Time Allowed : 3 Hours						SET - 02
रोल नं. Roll No. :						उत्तर शीट सं.: Answer Sheet No. :

प्रश्नों के उत्तर देने से पहले निम्नलिखित अनुदेशों को ध्यान से पढ़ लें।/ Read the following instructions carefully before you begin to answer the questions.

उम्मीदवारों के लिए अनुदेश

निर्धारित समय : 3 घंटे

- 1. प्रश्नों के उत्तर लिखना आरंभ करने से पहले आप इस पुरितका की जाँच करके सुनिश्चित कर लें कि इसमें पूरे पृष्ठ (12) हैं तथा कोई पृष्ठ या उसका भाग कम या दुबारा तो नहीं आ गया है। यदि आप इस पुरितका में कोई त्रृटि पाएं, तो *तत्काल* इसके बदले दूसरी पुरितका ले।
- 2. ओएमआर उत्तर-शीट प्रश्न पुरितका में ही उपलब्ध रहेगी। कृपया सुनिश्चित करें कि ओएमआर शीट संख्या और परीक्षण पुरितका संख्या समान हैं। ओएमआर शीट पर जानकारी भरने से पहले ओएमआर शीट पर छपे निर्देशों को ध्यान से पढ़ें। आपको ओएमआर उत्तर-पत्रक पर सभी विवरणों को सही ढंग से पूरा और कोड करना होगा, ऐसा न करने पर आपकी उत्तर पुरितका का मूल्यांकन नहीं किया जा सकता है। प्रश्नों का उत्तर देना शुरू करने से पहले आपको ओएमआर उत्तर-पत्रक पर दिये गए निर्धारित स्थान पर अपने हस्ताक्षर करने होंगे। इन निर्देशों का पूर्ण रूप से पालन किया जाना चाहिए, ऐसा न करने पर आपकी ओएमआर उत्तर-पुरितका का मूल्यांकन नहीं किया जा सकता है।
- 3. इस पुस्तिका में कुल 100 बहुविकल्पीय प्रश्न हैं जो कि केवल इंग्लिश भाषा में उपलब्ध है। प्रत्येक प्रश्न के 4 विकल्प दिए गए हैं, (A), (B), (C) और (D)। किसी भी स्थिति में प्रत्येक प्रश्न का केवल एक विकल्प ही सही उत्तर है। यदि आपको एक से अधिक विकल्प सही लगें तो सबसे अधिक उचित एक विकल्प का चुनाव करें और उत्तर शीट में सम्बंधित प्रश्न के सामने वाले उपयुक्त गोले को काला करें।
- **4.** प्रत्येक **सही** उत्तर के लिए 1 अंक दिया जाएगा। गलत उत्तर के लिए कोई **नकारात्मक अंकन नहीं है।**
- 5. गोले को काला करने के लिए केवल काले/नीले बॉल प्वाइंट पेन का प्रयोग करें। गोले को एक बार काला करने के बाद इसको मिटाने या बदलने की अनुमित नहीं है। यदि किसी प्रश्न के सामने एक से ज्यादा गोले काले किये गए हों तो मशीन द्वारा उसके लिए शुन्य अंक दिया जाएगा।
- 6. किसी भी स्थिति में उत्तर शीट को न मोड़ें।
- 7. उत्तर-पुस्तिका पर कोई भी रफ कार्य नहीं करना है। रफ कार्य के लिए इस पुस्तिका में स्थान दिया गया है।
- 8. परीक्षा हॉल/कमरों में मोबाइल फ़ोन तथा बेतार संचार साधन पूरी तरह निषिद्ध हैं। उम्मीदवारों को उनके अपने हित में सलाह दी जाती है कि मोबाइल फ़ोन/किसी अन्य बेतार संचार साधन को खिच ऑफ करके भी अपने पास न रखें। इस प्रावधान का अनुपालन न करने को परीक्षा में अनुचित उपायों का प्रयोग माना जायेगा और उनके विरुद्ध कार्यवाही की जाएगी, जिसमें उनकी उम्मीदवारी रद्द करना भी शामिल है।
- 9. अभ्यर्थी अपनी उत्तर पुरितका पर्यवेक्षक को सौंपे बिना और अपने रोल नंबर के सामने उचित स्थान पर उपस्थिति पत्रक पर हस्ताक्षर किए बिना परीक्षा हॉल/कक्ष से बाहर नहीं जा सकता। इसके अलावा अभ्यर्थी को उपस्थिति पत्रक पर हस्ताक्षर करने से पहले यह भी सुनिश्चित करना चाहिए कि बुकलेट नंबर, बुकलेट सीरीज और ओएमआर उत्तर पुरितका संख्या सही ढंग से लिखी गई हो। ऐसा ना करने पर, ओएमआर उत्तर पुरितका को अमान्य माना जाएगा/मूल्यांकन नहीं किया जा सकता है।

Instructions to the Candidates

- Before you start to answer the questions you must check this booklet and ensure that it contains all the pages (12) and see that no page or portion thereof is missing or repeated. If you find any defect in this Booklet, you must get it replaced *immediately*.
- 2. OMR Answer-Sheet is within the Question Booklet. Please ensure OMR Answer-Sheet number and Test Booklet No. of Question Paper are same. Read the instructions printed on OMR Answer-Sheet carefully before filling the information on the OMR Answer-Sheet. You must complete and code all the details on the OMR answer sheet correctly, failing which your answer sheet may not be evaluated. You must also put your signature on the OMR Answer-Sheet at the prescribed place before you start answering the questions. These instructions must be fully complied with, failing which, your OMR Answer-Sheet may not be evaluated.
- 3. This booklet consists of 100 Multiple Choice Questions and are printed in English language only. Each question has 4 (four) alternatives (A), (B), (C) and (D). In case if you find more than one correct answer, then choose the most appropriate single option and darken the appropriate circle in the answer sheet against the related question.
- 4. For each **correct** answer One mark will be given and **no negative marking** for incorrect answer.
- 5. Use Black/Blue ball point Pen to darken the circle. Answer once darkened is not allowed to be erased or altered. Against any question if more than one circle is darkened, machine will allot zero mark for that question.
- 6. Do not fold answer sheet in any case.
- No rough work should be done on the Answer-Sheet. Space for rough work has been provided in this booklet.
- 8. Mobile phones and wireless communication devices are completely banned in the examination hall/rooms. Candidates are advised not to keep mobile phones/any other wireless communication devices with them even in switched off mode, in their own interest. Failing to comply with this provision will be considered as using unfair means in the examination and action will be taken against them including cancellation of their candidature.
- 9. Candidate should not leave the examination hall/room without handing over his/her Answer-Sheet to the invigilator and without signing on the attendance sheet at proper place against your roll number. Further candidate should also ensure that booklet no., booklet series and OMR Answer-Sheet No. are correctly written on attendance sheet before signing on it, failing in doing so, may lead to disqualification/ no evaluation of OMR Answer-Sheet will be done.

जब तक आपसे कहा न जाए तब तक प्रश्न-पुस्तिका न खोलें / DO NOT OPEN THE QUESTION BOOKLET UNTIL YOU ARE TOLD TO DO SO.

उम्मीदवार का नाम/Name of Candidate :	उम्मीदवार के हस्ताक्षर/Signature of Candidate :
उन्नादपार का नान/Name of Camulate.	् उन्नादपार क हस्तावर/Signature or Candidate .

1.	The future IoT trust infrastructures are based ontechnology for business-critical interaction between devices without direct human interaction.		` '		net pro	nclude : otocol layer
	(A) XML (B) .Net		(C) App	lication lay	er pro	tocol
	(C) Blockchain (D) None of these		(D) Sessi	on layer p	rotocol	
2.	What are three R's in SQ3R reading comprehension method? (A) Read, Recite, and Review (B) Read, Remember, and Review (C) Read, Recite, and Recall (D) Read, Recite, and Retain	8.	In the give #include void main { int x=10; for (;;) {	0		p executes for :
3.	The leadership trait/traits is/are:		(A) 10 ti	mes	(B)	9 times
	(A) To influence people		(C) infin	ite	(D)	zero
	(B) To guide followers					
	(C) To achieve a common goal	9.	How to rus		ables x	and y in for loop
	(D) All of these			x = 0; x < m	ı, x++),	for $(y = 0; y < m)$
4.	The language of memos should be and to understand.		(B) for (2	x = 0, y = 0); x <m,< td=""><td>y<m; x++,="" y+="3)</td"></m;></td></m,<>	y <m; x++,="" y+="3)</td"></m;>
	(A) Indirect, personal		(C) both	(A) and (I	3)	
	(B) Direct, concise		(D) for (x	x = 0; x < m,	x++) {	, for (y = 0; y < m)
	(C) Lucid, easy		y+=3	3) { }		
	(D) Concise, difficult					
		10.	Main com	ponents of	IoT ba	sed systems are
5.	An array index, xyz [] starts with:		(A) Sense	ors		
	(A) 0 (B) -1		(B) Act	uators		
	(C) 1 (D) 2		(C) Micr	ocontrolle	rs	
			(D) All o	of the above	e	
6.	IR Sensors are used in:					
	(A) GPS Tracking	11.	The comm	unication t	echnol	ogies used for IoT
	(B) Moisture sensing		is/are:			
	(C) Object detection		` '	tooth	(B)	Zigbee
	(D) Analog signals		(C) WiM	IAX	(D)	All of these

Page	3/2	SPACE FOR R	OUGI	H WC	ORK		A4-R5/S2/08-22
	(D)	All of these		(C)	Application	(D)	Transport
	(C)	Cloud Computing		(A)	Presentation	(B)	Network
	(B)	Wireless Sensor Networks				(D)	Natura d
	(A)	Security Protocols	23.	Follo Mod	0 3	ot men	tioned in TCP/IP
17.	IoT e	enabled technologies include following:					
	` /			(D)	16-bit and 128-	-bıt	
	(D)	All of these		(C)	32-bit and 64-b		
	(C)	Harvard		(B)			
	(B)	Application-specific		` ,	32-bit and 128		
- •	(A)	Embedded System		(A)	128-bit and 16		
16.	Micr	ocontrollers are :	22.		ch address schen internet protoco		used by Ipv4 and
	(D)	Non-interoperable protocol					
	(C)	Self-configuring		(C)	Haptics	(D)	Vocalic
	(B)	Non-changing conditions		(A)	Poetry	(B)	Prosody
	(A)	Local network		com	munication. Also	o know	n as
15.	Which feature defines IoT ?			Paralanguage is a part of met communication that deals with non-verb			with non-verbal
	(D)	Push-Pull		(-)			
	(D)	Exclusive Pair		(D)	Self-Love		
	(A) (B)	Request - Response		(C)	Gratitude		
	(A)	rectional and fully duplex ? Publish-Subscribe		(B)	Self-Awarenes	s	
14.		ch type of IoT communication model is		This (A)	act represents Time-Manager		·
	(D)	predicate, subject	20.		pleting and im	plemer	feedback after nting his project.
	(C)	sentence, subject					
	(B)	sentence, verb		(C)	RFM3200	(D)	LM35
	(A)	predicate, sentence		(A)	DHT11	(B)	ESP8266
13.	In a	sentence, subject communicates about and predicate talks about		-	perature is :		
	(D)	Periodic Reports	19.				ensor designed to
	(C)	Progress Report					
	(B)	Conference Reports		(C)	Arduino	(D)	PHP
	(A)	Formal Reports		(A)	HTML	(B)	Pascal
12.		routine reports prepared in time-intervals daily, weekly, monthly are called:	18.		ch is IoT interior interior (IDE) a	_	d development ls ?

	. –						
24.	threa	devices are vulnerable to attacks and ats. One of them is Cryptanalysis attack means: By recovering the encryption	30.	(A) (B)	oT device may no sensors audio/video		tertaces for :
	()	information		(C)	internet connec	tivity	
	(B)	Inject malicious codes		(D)	all of these		
	(C)	Find ciphertext to break the encryption					
	(D)	Tamper with the hardware	31.		ose the correct of nent of the array:	-	to access the 4th
25.	The	format specifier for printf () and wprintf		int z	z [30];		
	() of	long integer in C is denoted as:		int *	pz;		
	(A)	% ld (B) % d		pz =	· z;		
	(C)	% li (D) % f		(A)	*(z+3)	(B)	z [3]
				(C)	pz [3]	(D)	*(*pz+3)
26.	Wha	t is ESP8266 used in IoT applications?					
	(A)	Low-cost Wi-Fi module	32.	Wha	nt is the bootloade	er in tl	ne Arduino IDE ?
	(B)	Microprocessor on a chip		(A)	a piece of code		
	(C)	In-build HTTP software		(B)	initiates the ske	tch	
	(D)	High-cost Wi-Fi module		(C)	stored in the me	emory	space
				(D)	all of these	J	1
27.	Wha	t is true about Arduino Codes?		()			
	(A)	Setup () is a startup function	33.	The	function	r	ogm_read_word
	(B)	Loop () is executed repeatedly			var_data[x][y]))) 1		•
	(C)	Also known as sketches			nory:		
	(D)	All of these		(A)	Address	(B)	Integers
				(C)	Strings	(D)	Data files
28.		statements that are TRUE about uino.h' header fileare :	34.	Whi	ch of the followin	σ is n	ot the component
	(A)	Avrdude software uploads the hex file	54.		oT Endpoint ?	ig 13 11	ot the component
	(B)	Gives access to all of Arduino's core		(A)	Router		
	(C)	functionality		(B)	Gateway		
	(C)	#include <arduino.h></arduino.h>		(C)	Communication	Mod	ule
	(D)	All of these		(D)	MCU	1,100	
29.	A co	enstant variable can be declared as :		()			
	(A)	only in variable declaration area	35.	The	main security ch	alleng	e to overcome to
	(B)	After main ()			e IoT services ava		
	(C)	const number int		(A)	Open security	(B)	Scalability
	(D)	#define number 35		(C)	Detachment	(D)	None of these

36. In Microcontrollers, external access is used 42. The examples of Open-loop system in control system are: for: (A) Power supply Traffic Light, Toaster (B) Latches Traffic Light, Temperature Controller (C) Memory Interfacing Traffic Light, Automatic washing (D) Peripherals machine All of these (D) Which macro confirms "Hello friend" will be 37. stored in the Flash memory: (A) Serial. Print (F ("Hello Friend")); **43**. Which of the following operators isn't a bitwise operator? Serial. Print (A ("Hello Friend")); (B) Serial. Print (C ("Hello Friend")); (A) * (B) && (C) Serial. Print (N ("Hello Friend")); (D) (D) << (C) || 38. Keyboard pins while interfacing can cause 44. What is the Optiboot bootloader in the interrupt called as: Arduino IDE? (A) Timer Interrupt (A) Default bootloader (B) Software Interrupt ATmega328p External Hardware Interrupt (C) Both (A) and (B) (D) Interfacing Interrupt Takes 1024 bytes for initiating 39. Sensors convert signals from analog to which domain? **45**. Which application layer protocol is (A) Digital responsible for machine to machine (M2M) Electrical (B) communication in restricted environment? Mechanical (C) CoAP (A) MQTT (D) Both (A) and (B) (D) AMQP (C) **XMPP 40.** Choose the correct option for the ternary **46.** The IoT supports: operator in embedded C: (A) based on ternary condition (A) Cloud computing condition? Expression 1: Expression 2 (B) Block-chain Technology (B) (C) condition? Expression 1 < Expression 2 (C) Data Analytics

All of these

(A) Interpersonal

(D)

(B) Intrapersonal

(D) Formal

(C) Impersonal

(D)

(A)

(B)

(C) (D) Save time

All of these

Real Time system

41.

Similar to execution of a Loop

The IoT temperature monitoring is related to:

Analog to Digital conversion

10	Dooding is an out to being in Improved doo	T4 E2	Andrino io o
48.	Reading is an art to bring in knowledge basically	It 53.	Arduino is a
	(A) Encodes (B) Translates		(A) Open-source Text editor
	(C) Decodes (D) None of these	2	(B) Open-source electronics platform
			(C) Web programming language
49.	LDR Sensors:		(D) None of these
17.	(A) Light Dependent Resistor		
	(B) 2 pinned IC	54.	The keyword 'PROGMEM' is a variable modifier of PROGMEM Utility. Which header
	(C) Controls Light Intensity		file contains it?
	(D) All of these		(A) avr/pspace.h
	(b) The or these		(B) avr/pgmspace.h
50.	What is WoT and its usage in the IoT?		(C) avr/pmspace.h
J U.	(A) Wireless of Things & increase times (A)	me	(D) avr/progmem.h
	complexity		
	(B) Wireless of Things & reduce security	55.	The way we dress is an example of
	(C) Web of Things & improv	res	communication.
	interoperability		(A) Verbal (B) Nonverbal
	(D) Web of Things & increment in cost		(C) Written (D) Spoken
		56.	How can we initialize the array ?
51.	The output of given C code is :		(A) Initializing
	#include		(B) Assigning array
	int main ()		(C) Factoring and array
	{		(D) Populating an array
	int $x=1$, $y = 1$, z ;		
	z=x+++y;	57.	The role of public cloud computing in the IoT
	printf ("%d, %d", x, y);		architecture is :
	}		(A) Need for on-premises hosting
	(A) $x=1, y=1$ (B) $x=2, y=1$		(B) Remote processing power.
	(C) $x=1, y=2$ (D) $x=2, y=2$		(C) Enhanced inter-device communication
			(D) Both (B) and (C)
52.	The differences in an open-loop and a close	ed-	
	loop systems are based on :	58.	LDR Sensors are made of :
	(A) Feedback (B) Stability		(A) Semiconductor (B) PbS
	(C) Complexity (D) All of these		(C) Lead Sulfide (D) All of these

Page 6 / 21

Page	7/2	1		SPACE FOR R	OUG	H WC	ORK		A4-R5/S2/08-22
	(C)	Relational	(D)	Arithmetic		(C)	PWM	(D)	QAM
	(A)	== and! =	(B)	Logical		(A)	PCM	(B)	PPM
64.		Which of the following operators have the highest precedence ?					uino using		
	(C)	4	(D)	6		()	muanet	(D)	Licentifies
	(A)	1	(B)	2		(C)	Intranet	(D)	Electronics
63.	have	, ,		the Arduino Uno	09.		ors, microcontro		1 ,
	(0)	ilac	(D)	·uoc	69.	IoT .	comprises of in	tarnat	physical devices,
	(A) (C)	.exe .ide	(B) (D)	.ino .doc		(D)	Line of sight re	equired	for reading
		nsion				(C)	From any angl	e read	er can read
62.				saved with the		(B)	Same as RFID	system	
	(-)	(D) minute, circular					No line of sigh	t requi	red for reading
	(D)	Minute, Circu			68.	In b	ar code system		·
	(B) (C)	Notice, Circular Note, Circular							
	. ,	Circular, Mem				(D)	All of these		
		re	_	rely.		(C)	UART or USA	RT	
61.	and	that sent to a s	specific	ne general public group are called		(B)	Communicates and 1(Tx)	on di	gital input, 0(Rx)
						(A)	At least one se	rial po	rt is there.
	(D)	random action All of these	ns		67.		nt is true about se al TTL Signals ?	ending	and receiving the
	(C)	Negative Fee	edback	with unknown					
	(B)	Positive Fee random action		with unknown		(D)	(B) and (C)		
	()	actions				(B) (C)	Gas Sensor Monitors Air F	Ollutio	n
00.	(A)	,		known random		(A)	AI detector		
60.	Stoc	hastic control sy	zetom h	ac ·	66.		135 Sensor is:		
	(D)	All of these							
	(C)	Smooth runnii	ng of di	scussion		(C)	ARM	(D)	8051
	(B)	Managing the	dynam	ics		(A)	PIC	(B)	8086
	(A)	Focus on grou	.p			Emb	edded Ecosyster	m ?	
59.	The	role of a moder	ator is :		65.	Whi	ch one is not	a mio	crocontroller in

71.	What are the effective stages of IoT architecture?	77.	A as ev	is a document that can be used vidence in court.
	(A) Internet gateway, Edge information		(A)	Notice (B) Minutes
	(B) Sensors and Actuators		(C)	Letter (D) Email
	(C) Data center and cloud analysis			
	(D) All of these	78.	UAF	RT stands for :
70	In a femation on amore is made I have		(A)	Universal Asymmetrical Radio
72.	In a function, an array is passed by:		(B)	Universal Asymmetrical Radio
	(A) Address relocation		` '	Transmitter
	(B) Call by value		(C)	Universal Asynchronous Receiver
	(C) Function arguments		(D)	Transmitter
	(D) Call by reference		(D)	Universal Asynchronous Radio Transmitter
73.	LCD displays the text form of data when EN line shows and RS line is	79.		uino can be programmed using following
	(A) 0 to 1 transitions & High		Ü	guages :
	(B) 1 to 0 transitions & High		(A)	Python
	(C) 0 to 1 transitions & Low		(B)	C++
	(D) 1 to 0 transitions & Low		(C)	Both (A) and (B)
			(D)	None of the above
74.	Microprocessors have following components embedded in them:	80.		ich document that can be used as ar
	(A) RAM (B) Memory			lent in legal cases ?
	(C) ROM (D) None of these		(A)	Notice
			(B)	Minutes of a meeting
75.	An IoT device connects with other interfaces		(C)	Agenda
	using connections which are:		(D)	Memo
	(A) wired (B) wired and wireless	0.4	mi.	
	(C) wireless (D) none of these	81.		major characteristics on which OSI and P/IP model differs :
76.	The wireless network types that promote IoT deployment in industries are :		(A)	OSI model is independent generi protocol & TCP/IP is communication protocol
	(A) Cellular (2G-5G) network protocols		(B)	In OSI model, Transport laye
	(B) Bluetooth			guarantees the delivery
	(C) Near-field communication		(C)	(A) and (B)
	(D) All of these		(D)	TCP/IP model consists of 7 layers
D. ~	SPACE FOR R	OUG	H WC	ORK A4 DE / 52/09 2

82.	The	communication process comprises of :	87.	The essential feature/features of an email as		
	(A)	Sender (Decoder) → channel →		communication medium is/are:		
		Receiver (Encoder) → Response → Feedback		(A) Automatic filing		
	(R)	Sender (Encoder) → channel →		(B) Facility to send copies of message		
	(B)	Receiver (Decoder) → Response →		(C) Automatic retrieval		
		Feedback		(D) All of these		
	(C)	Sender (Encoder) → channel → Receiver (Response) → Decoder → Feedback	88.	Humidity Sensor is related to : (A) DHT11		
	(D)	Sender (Response) → channel →		(B) Hygrometer		
		Receiver (Decoder) → Encoder → Feedback		(C) Parts Per Million or Relative Humidity		
		recubuck		(D) All of these		
83.	IoT	promotes the creation of IoT terminal		(D) This of these		
		istry	89.	The stress management technique based on		
	(A)	Devices (B) Network		mental exercises which to produces the		
	(C)	Clusters (D) Things		relaxation response :		
				(A) Autogenic Technique		
84.		selection of Microcontrollers for IoT is		(B) Eating		
		d on :		(C) Sleeping		
	(A)	Individual Characteristics		(D) Medicine intake		
	(B)	Stability Desirable output				
	(C) (D)	Desirable output All of these	90.	A LED interfacing with Arduino as shown implies:		
	(D)	All of these		digitalWrite (led_pin, LOW);		
85.	The	memory used while saving the data		digitalWrite (led_pin, HIGH);		
		ng 'PROGMEM utility' is:		(A) LED off and on		
	(A)	DRAM (B) Flash		(B) LED off and on by varying VCC		
	(C)	SRAM (D) EEPROM		(C) Can introduce delay for better o/p		
				(D) All of these		
86.		enduring feature that describes an		()		
	ındı	vidual's behavior and attitude is called	91.	Self-esteem promotes		
	(A)	Education		(A) Self-worth		
	(B)	Personality Traits		(B) Disappointment		
	(C)	Financial Status		(C) Failure		
	(D)	Job Profile		(D) ill-health		
		CDACE FOR D		Y MODE		
Page	9/2	1 SPACE FOR R	OUGI	H WORK A4-R5/S2/08-22		

82.

92. Choose the correct option for indexing of the given code :

```
int main ()
{
int xyz (8);
return 0;
```

- (A) 0, 7
- (B) 0,8
- (C) -1, 7
- (D) 1, 7

93. How to terminate an infinite loop in embedded C?

- (A) End
- (B) Exit
- (C) Break
- (D) Abort

94. What is the basic function of the spring in a control valve?

- (A) Characterize flow
- (B) Oppose the diaphragm to position the valve according to signal pressure
- (C) Close the valve if air failure occurs
- (D) Open the valve if air failure occurs

95. In embedded C, Literals means:

- (A) a word
- (B) a letter
- (C) a digit
- (D) a string constant

96. Choose the correct option of C program having array :

```
int main ()
{
int xyz (4) = [10,20,30,40];
printf ("%d", xyz (1));
}
```

- $(A) \quad 0$
- (B) Compile error
- (C) 10
- (D) 20

97. 8051 is:

- (A) 4-bit Microcontroller
- (B) 8-bit Microcontroller
- (C) 12-bit Microcontroller
- (D) 16 bit Microcontroller

98. The prototype hardware used for IoT architecture is/are :

- (A) Raspberry Pi
- (B) Arduino Uno
- (C) Cubie Board
- (D) All of these

99. Which is not the synonym of memo?

- (A) Circular
- (B) Memorandum
- (C) Message
- (D) Minute

100. The difference in If-Else and switch case statement is:

- (A) If-Else enforces binary search
- (B) Switch-case enforces linear search
- (C) Multiple statements can be used for numerous decisions inside If-Else
- (D) Multiple statements can be used for numerous decisions inside switch case

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SPACE FOR ROUGH WORK

Page 11 / 21 A4-R5/S2/08-22

SPACE FOR ROUGH WORK

Page 12 / 21 A4-R5/S2/08-22