		Reg. No. :										
		Question Paper	Cod	e: U	J 8466	5						
	В	.E. / B.Tech. DEGREE E	EXAM	INA	TION	, APRI	L 20)24				
		On	e cred	lit								
		Electronics and con	nmuni	catio	n Eng	ineerin	g					
		21UEC866- ARDU	INO I	PRO	GRAM	1MINC	Ĵ					
		(Regula	ations	2021)							
		(Common t	to All	Bran	ches)							
Dur	ation: 1.30 Hours]	Maxi	mum	1: 30	Mar	ks
		Answer A	ALL Q	uesti	ons							
		PART A - (3)	0 x 1 =	= 30	Marks	5)						
1.	Expand IDE full form?.										CO	1 - U
	(a) Integrated Development Environment (b) Interfaced Developed Module											
	(c) Interleaving Deficit Expander			(d) Interleaving The Developed Environment								
2.	is the best product in the Arduino family for Beginners CO1- U											
	(a) Divide	(b) UNO		(c) 7	Thrive			(d) N	lone	of th	e abo	ove
3.	Approved voltag		_vol	ts						CO	1 - U	
	(a) 3 and 5	(b) 5 and 10		(c) 6	and 1	2		(d)	3 and	110		
4.	Analog pins	the signals from an ar	nalog s	senso	or.						CO	1 - U
	(a) Write	(b) Read		(c) F	Peruse			(d)	Study	у		
5.	Expand PMW full from?						CO	1 - U				
	(a) Pulse Width Modulation			(b) Pulse Wide Modulation								
	(c) Plain width Modulation			(d) None of the above								
6.	TX pin represents in Arduino boa										CO	1 - U
	(a) Transmits	(b) Receives		(c) (Ground	1		(d)	Resta	arts		
7.	ARDUINO UN	O power regulator can ha	ndle v	oltag	ge fron	n 7 to _	vo	lts D	C		CO	1 - U
	(a) 10	(b) 15`		(c) 1	2			(d)	13			

8.	Arduino Due which is 32-bit based on Atmel is introduced in?								
	(a) 2008	(b) 2009	(c) 2011	(d) 2012					
9.	Every board of Arduino has a five volts regulator?								
	(a) Vertical	(b) Linear	(c) Horizontal	(d) None of the	e above				
10.	Some Arduino board signals	s contain a circuit	for conversion of level	1	CO1- U				
	(a) Oscillator	a) Oscillator (b) Amplifier (c) Level Shifter (d) Shift							
11.	is a function which starts after power-up or reset								
	(a) Setup (b) Loop (c) While (d) All of								
12.	ARDUINO UNO boa	ard can be organized ove	er cable		CO1- U				
	(a) USB	(b) USB Mini-B	(c) FTDI	(d) Jack					
13.	Arduinouno has total	inputs			CO1- U				
	(a)16	(d)20							
14.	controls the USB Cable of the Arduino red board? CO1- U								
	(a)Barrel Jack	(b)Strings	(c)Controller	(d)Sensor					
15.	Arduino Uno has a _	inbuilt Led.			CO1- U				
	(a)1	(b)2	(c)9	(d)4					
16.	6. Arduino IDE consists of 2 functions. What are they? CO1- U								
	(a) Build() and loop())	(b)Setup()and build()						
	(c) Setup() and loop()	(d) Loop() and build() and setup()						
17.	Arduino Due depend	s on controller?			CO1- U				
	(a) ARM Cortex- M3	(b) ARM cortex (c)) Arduino mega (d)	None of the ab	oove				
18.	The entire code must	end with			CO1- U				
	(a) Semicolon ;	(b) Parenthesis)	(c) Comma,	race }					
19.	What license is Ardu	ino distributed under?			CO1- U				
	(a) Proprietary with GNU GPL Ambient user interface (b) Proprietary								
	(c) Shareware (d) DLGPL or GPL license								

Does Arduino is oper	n-source?				CO1- U		
(a)True	(b) False (c) Can be true or false			(d) cannot say	/		
A forward slash is used for C							
(a) Code	(b) Output	S	(c) Comments	(d) All the abo	ove		
An servo motor is					CO1- U		
(a) Output	(b) Input		(c) Both A & B	(d) None of th	e above		
Why does the LED h	ave differen	t length legs?	,		CO1- U		
(a) For ease of inserting into the breadboard.							
(b) To indicate which side is negative and which side is positive.							
(c) To ensure it does not easily break.							
(d) None of the above							
Do Arduino provides IDE Environment?							
(a) True			(b) False				
(c) Based on the application (d) None of the above							
Which of the following is true about Arduino?							
(a) Arduino boards are able to read analog or digital input signals from different sensors							
(b) Arduino IDE uses a simplified version of C++, making it easier to learn to program.							
(c) Arduino provides a standard form factor that breaks the functions of the micro-controller into a more accessible package.							
(d) All the above							
Code writing and upl	oading into	the board is d	lone using?		CO1- U		
(a) Environment	(b) PC		(c) IDE	(d) SOME			
Expand the full form	of USB is_	?			CO1- U		
(a) United Serial Bus			(b) Universal Serial Bus				
(c) United Service bu	(d) None of the abo	ve					
How many Analog p	ins exist in A	Arduino?			CO1- U		
(a) 9	(b) 5		(c) 6	(d) 10			
	 (a)True A forward slash is us (a) Code An servo motor is (a) Output Why does the LED h (a) For ease of inserti (b) To indicate which (c) To ensure it does (d) None of the above (d) None of the above (a) True (c) Based on the apple Which of the following (a) Arduino boards and (b) Arduino IDE uses (c) Arduino provides into a more accessible (d) All the above Code writing and uple (a) Environment Expand the full form (a) United Service but How many Analog pice 	A forward slash is used for (a) Code (b) Output An servo motor is (a) Output (b) Input Why does the LED have different (a) For ease of inserting into the (b) To indicate which side is neg (c) To ensure it does not easily b (d) None of the above Do Arduino provides IDE Enviro (a) True (c) Based on the application Which of the following is true ab (a) Arduino boards are able to read (b) Arduino IDE uses a simplifie (c) Arduino provides a standard f into a more accessible package. (d) All the above Code writing and uploading into (a) Environment (b) PC Expand the full form of USB is_ (a) United Serial Bus (c) United Service bus How many Analog pins exist in A	(a) True (b) False (c) Can be the set of the forward slash is used for (a) Code (b) Outputs An servo motor is (b) Outputs (a) Output (b) Input (a) Output (b) Input (b) To indicate which LED hereadboard. (c) To ensure it does not easily break. (d) None of the above (c) To ensure it does not easily break. (d) None of the above (c) To ensure it does not easily break. (d) None of the above (c) Based on the application (d) Arduino provides a standard form factor the into a more accessible package. (c) Arduino IDE uses a standard form factor the into a more accessible package. (d) All the above (c) Arduino grovides a standard form factor the into a more accessible package. (c) United Serial Bus (c) United Serial Bus (c) United Serial Bus (c) United Serial Bus	(a) True (b) False (c) Can be true or false A forward slash is used for (a) Code (b) Outputs (c) Comments An servo motor is (a) Output (b) Input (c) Both A & B (a) Output (b) Input (c) Both A & B (a) Output (b) Input (c) Both A & B Why does the LED have different length legs? (a) For ease of insertime into the breadboard. (b) To indicate which side is negative and which side is positive. (c) To ensure it does reasily break. (d) None of the above (b) False (d) None of the above (d) None of the above (a) True (b) False (c) Based on the application (d) None of the above (a) Arduino boards are able to read analog or tigtal input signals for the board is dire about Arduino? (a) Arduino IDE uses a simplified version of C+++, making it easier (c) Arduino provides a standard form factor threaks the function into a more accessiburgation into the board is breaks the function into a more accessiburgation into the board is dire above Code writing and uple adding into the board is dire about Arduino? (a) United Serial Bus (a) Environment (b) PC (c) IDE (a) United Serial Bus (b) Universal Serial in	(a) True (b) False (c) Can be true or false (d) cannot say A forward slash is used for (a) Code (b) Outputs (c) Comments (d) All the about An servo motor is (c) Comments (d) All the about An servo motor is (d) None of the about (a) Output (b) Input (c) Both A & B (d) None of the Why does the LED have different length legs? (a) For ease of inserting into the breadboard. (b) To indicate which side is negative and which side is positive. (c) To ensure it does not easily break. (d) None of the above Do Arduino provides IDE Environment? (d) None of the above (d) None of the above (d) None of the above (a) True (b) False (c) Based on the application (d) None of the above (d) None of the above (a) Arduino boards are able to read analog or digital input signals from different se (b) Arduino IDE uses a simplified version of C++, making it easier to learn to prog (c) Arduino provides a standard form factor threads the functions of the micro-rinto a more accessible package. (d) All the above Code writing and uploading into the board is done using? (d) SOME (d) SOME (a) United Serial Bus (b) Universal		

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Expand PMW full from	m?			CO1- U
(a) Pulse Width Modu	lation	(b) Pulse Wide Modu		
(c) Plain width Modulation		(d) None of these		
RX pin represents	in Arduino board			CO1- U
(a)Transmits	(b)Receives	(c)Ground	(d)Restarts	
	 (a) Pulse Width Modul (c) Plain width Modul RX pin represents 	RX pin represents in Arduino board	(a) Pulse Width Modulation(b) Pulse Wide Modu(c) Plain width Modulation(d) None of theseRX pin represents in Arduino board.	(a) Pulse Width Modulation(b) Pulse Wide Modulation(c) Plain width Modulation(d) None of theseRX pin represents in Arduino board.