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Electronic Modules for Industrial Applications u...



By measuring the occurrence of P wave in the ECG signal	
By measurement of maximum amplitude of ECG signal	
None of the mentioned	
No, the answer is incorrect. Score: 0	
Accepted Answers: By detection and measurement of QRS complexes	R
9) What is the cause of base line wandering 1	oint
Respiration and body movement	
$igodoldsymbol{igo$	뮯
Interference due to nearby machines operating with AC	
None of the mentioned	<u></u>
No, the answer is incorrect. Score: 0	R
Accepted Answers: Respiration and body movement	
10How to measure - 3dB line practically for determining the cut-off 1 frequency of a filter?	oint
The frequency at which the output voltage increases to 0.707 times maximum input amplitude	s of
The frequency at which the output voltage decreases to 0.707 time of maximum input amplitude	S
The frequency at which the output and input voltage amplitude matches	
None of the mentioned	
No, the answer is incorrect. Score: 0	
Accepted Answers: The frequency at which the output voltage decreases to 0.707 times of maximum input amplitude	
11)Why passive filters are not preferable? 1	ooint
 Inductors become large at low frequencies and expensive The passive filters can cause loading of the source Series resistance of inductors degrade its performance All of the mentioned 	
No, the answer is incorrect. Score: 0	
Accepted Answers: All of the mentioned	
12Consider the circuit shown in the figure below. Let the input Vi 1 connected is a sinusoidal input of 2 Vpp and the opamp1 is powered with 2 15 V. What is the operation of the circuit	oint ⊨
Half wave rectifies the input Vi	

Differentiates the input voltage Vi	
$igodoldsymbol{igo$	cle
No, the answer is incorrect. Score: 0	
Accepted Answers: Produces single pulses at the zero-crossing point in every cycle	2
13For the circuit shown in question 12, what is the configuration of Opamp1	1 poir
Inverting configuration	Z
Schmitt trigger	
Zero crossing detector	2
Differentiator	Ç
No, the answer is incorrect. Score: 0	
Accepted Answers:	
Zero crossing detector	
14For the circuit shown in figure 12 select the V' output signal	1 poir
•	
Ū.	
0	
0	
No, the answer is incorrect.	
Accepted Answers:	
15Consider the circuit shown below. If the capacitor C is initially uncharged and at $t = 0$ the switch is closed, compute the voltage accapacitor at $t = 10$ ms	1 poi cross the
Note: Consider the op-amp is supplied with \pm 15 V	
- 0.5 V	
No, the answer is incorrect.	
Score: 0	
Score: 0 Accepted Answers:	

R
R
R
R