

CE ARTICLE TEST

For each of the following twelve questions select the best answer. Then circle the number on the reader service card that corresponds to the answer you have selected. Keep a record of your responses so that you can compare them with the correct answers, which will be published in the next issue of the Journal.

A. *The electrocardiogram is simply a record of the voltage variations of the heart plotted against:*

- 101. the pulse.
 - 102. time.
 - 103. R to R wave length.
 - 104. segment height.
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B. *The QRS wave complex of the electrocardiogram represents the:*

- 105. electrical impulse from the sinoatrial node.
 - 106. time taken for the impulse to reach the ventricles.
 - 107. depolarization of the ventricular muscle.
 - 108. repolarization of the ventricular muscle.
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C. *A new downsloping ST-segment depression of the electrocardiogram during exercise is considered "diagnostic" of:*

- 109. myocardial ischemia.
 - 110. mitral stenosis.
 - 111. arrhythmia.
 - 112. aneurysm.
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D. *A positive stress ECG may be of great diagnostic value in the presence of:*

- 113. anginal-type chest pain.
 - 114. shortness of breath.
 - 115. muscular fatigue.
 - 116. a heart rate greater than 150.
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E. *Most physicians recommend that exercise testing not be performed for _____ following complicated acute myocardial infarction or cardiac surgery.*

- 117. 1 week.
 - 118. 3 weeks.
 - 119. 6 weeks.
 - 120. 12 weeks.
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F. *Untoward events during exercise electrocardiography, fortunately rare, are perhaps 1 in:*

- 121. 100.
 - 122. 1,000.
 - 123. 10,000.
 - 124. 100,000.
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G. *The ischemic ECG response to exercise is not specific for coronary artery disease.*

- 125. True.
 - 126. False.
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H. *Coronary arteriography is utilized to evaluate the severity of:*

- 127. aneurysms.
 - 128. acquired valvular heart disease.
 - 129. coronary artery stenosis.
 - 130. left-to-right shunts.
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I. *Cardiac output is the:*

- 131. flow of blood through the coronary arteries in cc/min.
 - 132. amount of blood ejected by the heart per unit time in l/min.
 - 133. flow of blood through the aorta in l/min.
 - 134. amount of blood ejected by the right ventricle per unit time in cc/min.
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J. *The size of the left ventricle can be accurately estimated using ultrasound.*

- 135. True.
- 136. False.

K. *Possible complications of cardiac catheterization procedures include all of the following except:*

- 137. arrhythmias.
- 138. pulmonary emboli.
- 139. allergic reaction to the contrast media.
- 140. mitral stenosis.

L. *Ultrasound consists of sound waves emitted at a frequency of greater than:*

- 141. 5,000 cycles/sec.
- 142. 10,000 cycles/sec.
- 143. 20,000 cycles/sec.
- 144. 30,000 cycles/sec.

Your answers to the above questions should be returned on a reader service card (found in the back of the Journal) no later than March 1, 1984. Remember to supply your name and address in the space provided on the card; also write your VOICE number following your name. Your VOICE number appears on the upper left hand corner of your Journal mailing label. No credit can be recorded without it.