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Name: \_\_\_\_\_

Time: 5 minutes

*Session 07*

BISC 104 – Quiz 5

Maximum Points: 07

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1. The ability of heart to trigger its own contractions is called \_\_\_\_\_. [01]
2. Sympathetic nervous system \_\_\_\_\_ heart rate. [01]
  - a increases
  - b decreases
3. Parasympathetic nervous system \_\_\_\_\_ heart rate. [01]
  - a increases
  - b decreases
4. Vagus nerves are part of the \_\_\_\_\_ nervous system. [01]
  - a Parasympathetic
  - b Sympathetic
5. Sinoatrial(SA) node generates action potentials at a frequency of 100 beats per minute even though the observed average heart beat normally is around 70 beats per minute. This is result of the push-pull system we discussed. In terms of degree of influence, which of the following is **true**: [01]
  - a Parasympathetic nervous system has slightly more influence over sympathetic
  - b Sympathetic nervous system has slightly more influence over parasympathetic
  - c Both systems are equally influential
  - d None of the above
6. In your activity 1, you characterized the refractory period of the heart. This involved applying stimuli at different points of time. The response changed depending on 'where'/'when' you applied the stimulus. The refractory period lasted between: [02]
  - a Beginning of atricular contraction to beginning of ventricular contraction
  - b Beginning of ventricular contraction to peak of ventricular contraction
  - c Peak of ventricular contraction to end of ventricular relaxation
  - d None of the above