



## Advances in Medical Education in Anesthesia

© Canadian Anesthesiologists' Society 2011

### Multiple Choice Questions

The multiple choice questions which appear below relate to the series of special review articles in the February 2012 issue of the *Journal*. For each question, select the one best response. The correct responses appear online as [Electronic Supplemental Material](#).

1. Principles of good feedback include all of the following EXCEPT:
  - 1) Feedback is most effective if given at the time of an event or shortly afterwards
  - 2) Motivated recipients benefit from feedback that facilitates the learner's own reflections
  - 3) Feedback should focus on one or two items to prevent overwhelming the learner
  - 4) Feedback should focus on the individual, not the task
2. Which theoretical approach BEST underlies qualitative research methods in medical education?
  - 1) Ethnography
  - 2) Positivism
  - 3) Epistemology
  - 4) Participant observation
3. Working (or short term) memory has the following characteristics EXCEPT ONE:
  - 1) It refers to the information in our conscious memory
  - 2) It is highly susceptible to interference
  - 3) It has a very limited capacity
  - 4) It is the primary mechanism for planning future goals
4. The tendency of the human brain to create inappropriate patterns on the basis of inadequate information is BEST described as:
  - 1) Fixation error
  - 2) Cognitive disposition to respond
  - 3) Situation awareness
  - 4) Latent factors
5. Medical education research is commonly described by any of the following frameworks EXCEPT:
  - 1) The 3-P model
  - 2) The Kirkpatrick framework
  - 3) The transduction model
  - 4) The Cook classification
6. Qualitative research in medical education implies all of the following EXCEPT:
  - 1) Qualitative research aims to understand a phenomenon
  - 2) Qualitative research requires ethics approval
  - 3) Qualitative research relies on hypothesis testing
  - 4) Qualitative research must be rigorous

---

**Electronic supplementary material** The online version of this article (doi:[10.1007/s12630-011-9641-0](https://doi.org/10.1007/s12630-011-9641-0)) contains supplementary material, which is available to authorized users.

---

7. Accreditation requirements for minimal number of procedures/patients for trainees are currently guided by:
  - 1) Empirical evidence
  - 2) Expert consensus
  - 3) Program averages
  - 4) Trainee feedback
8. According to research performed in other professions, “international performance” is achieved with a minimum rehearsal time of:
  - 1) 100 hours
  - 2) 1,000 hours
  - 3) 10,000 hours
  - 4) 100,000 hours
9. Behaviourist learning theory focuses chiefly on:
  - 1) Learning residing within the individual’s memory and internal cognitive processes, such as perception, information processing, storage and retrieval.
  - 2) Learning as an active construction of meaning brought about by the learner’s experiences.
  - 3) Positive or negative reinforcement, such the use of feedback and assessments, to bring about desired learning outcomes.
  - 4) Learning from interacting and observing others within a social and community context.
10. Criteria for scholarship in teaching as defined by Hutchings and Shulman include all of the following EXCEPT:
  - 1) Scholarship is in a tangible form that is publicly disseminated
  - 2) Scholarship is the subject of a research study
  - 3) Scholarship is open to review and critique
  - 4) Scholarship is available for others to use, build on and advance the field.
11. The Accreditation Council for Graduate Medical Education competency framework includes all of the following roles EXCEPT:
  - 1) Interpersonal and communication skills
  - 2) Health advocate
  - 3) Professionalism
  - 4) Systems based practice
12. With respect to the psychometric properties of assessments, generalizability measures which ONE of the following:
  - 1) How well an assessment represents the construct it is intended to represent
  - 2) How well an observed score reflects the hypothetical score if an individual is measured an infinite number of times
  - 3) Performance relative to that of peers taking the same assessment
  - 4) Whether an assessment is based on established content knowledge
13. Simulation-based education includes all of the following elements EXCEPT:
  - 1) Fidelity
  - 2) Debriefing
  - 3) Deliberate practice
  - 4) Simulation experience
14. Which ONE of the following simulation-based education modalities is MOST accepted for assessment?
  - 1) Full body mannequin
  - 2) Standardized patients
  - 3) Part-task trainers
  - 4) Computer based simulation
15. The CanMEDS competency framework includes all of the following roles EXCEPT:
  - 1) Collaborator
  - 2) Health Advocate
  - 3) Professional
  - 4) Educator
16. The Boyer’s Model of Scholarship includes all of the following components EXCEPT:
  - 1) Discovery
  - 2) Application
  - 3) Incorporation
  - 4) Teaching