

NBCRNA COUNCIL ON CERTIFICATION OF NURSE ANESTHETISTS

Self-Evaluation Examination (SEE)

Interpretive Guide for Program Directors

Explanation of Roster and Report

Subtest Content Outline	% of questions		% of questions
EXAMINATION: The examination is composed of 160 multiple-choice questions. The following is a detailed outline of the subtests listed at the left side of your Report and along the top of your Roster. It shows the percentage of questions and the number of questions for each content area.			
1.0 Professional and legal aspects of nurse anesthesia	13%	4.0 Basic principles of anesthesia practice	14%
1.1 Legal		4.1 Preoperative assessment/anesthetic plans	
1.2 Quality Assurance		4.2 Monitoring	
1.3 Research		4.3 Positioning	
2.0 Anatomy, physiology, pathophysiology, anesthesia considerations	29%	4.4 Fluid Therapy	
2.1 Respiratory		4.5 Perioperative complications: assessment, management	
2.2 Cardiovascular		4.6 Airway management	
2.3 Nervous system		4.7 Other	
2.31 Central/Peripheral		5.0 Advanced principles of anesthesia practice	19%
2.32 Autonomic		5.1 Regional anesthesia	
2.4 Hepatic, renal, gastrointestinal, and genitourinary		5.1.1 Lower extremity	
2.5 Endocrine		5.1.2 Upper extremity	
2.6 Other		5.1.3 Other	
3.0 Pharmacology	25%	5.2 Pediatric anesthesia	
3.1 General principles, Pharmacokinetics, Pharmacodynamics		5.2.1 Anatomy, physiology, pathophysiology	
3.2 Inhalation agents		5.2.2 Anesthetic management	
3.3 Intravenous agents and reversal agents		5.3 Obstetrical anesthesia	
3.4 Local anesthetics		5.3.1 Anatomy, physiology, pathophysiology	
3.5 Muscle relaxants and reversal agents		5.3.2 Anesthetic management	
3.6 Cardiac, vasoactive and antihypertensive drugs		5.4 Geriatric anesthesia	
3.7 Drugs acting on the CNS/ANS		5.4.1 Anatomy, physiology, pathophysiology	
3.8 Adjunct drugs		5.4.2 Anesthetic management	
3.9 Other		5.5 Anesthesia management of surgical specialty procedures	
		5.5.1 Thoracic	
		5.5.2 Cardiac/Vascular	
		5.5.3 Neurosurgical	
		5.5.4 ENT/Oromaxillofacial/ Ophthalmologic	
		5.5.5 Genitourinary	
		5.5.6 Orthopedic	
		5.5.7 Abdominal/GYN	
		5.5.8 Burns/trauma	
		5.5.9 Plastic/reconstructive/transplant	
		5.5.10 Outpatient	
		5.5.11 Pain Management	
		5.5.12 Other procedures: MRI, x-ray, ECT, cardioversion, MAC, conscious sedation, etc.	

TOTAL NUMBER OF QUESTIONS: For diagnostic purposes test questions are classified by primary subtest categories. The subtest categories are listed in the first column of your Summary Report, in addition to the total test category. The second column in your Summary Report lists the percentage of items on the total test and each of the subtests. Each test consisted of 160 items.

Roster

Your Program Director Roster consists of three separate alphabetical listings of examinees from your program as specified in the heading located just above the test date. The scores for examinees are grouped by Year in Program (First-Year, Second-Year, and other, which consists of Repeat takers). Your Program Code number is listed below the date of the report. The name and AANA identification number for the examinees from your program are listed along the left side of the Roster. The scaled score is listed for the total test and each of the subtests in the columns so labeled to the right of the examinee's name. The scaled score is a transformation of the examinee's demonstrated ability measure. Through a process of examination equating, this scaled score is reported on the same scale as the CERT examination.

Report

Your Program Director Summary Report will enable you to compare the general performance of the examinees in your program with national groups of examinees. In addition, you might use the report to compare the specific performance of an examinee from your program as listed on your Roster with the general performance of examinees nationally or for your program.

Mean Score Nationally (1st) or (2nd) Year in Program: The average scaled score nationally on the total test and on each of the subtests for all examinees in the 1st or 2nd year in the program who took the SEE in 2004 is listed on your Summary Report in the fourth and second columns from the right respectively.

Mean Score Your Program (1st) or (2nd) Year in Program: In the third or first column from the right the average scaled score on the total test and on each of the subtests for examinees in the 1st or 2nd Year of your program are listed. Comparisons of these scores with the respective columns for Mean Score Nationally (1st) or (2nd) Year in Program will show how examinees from your program in the 1st or 2nd Year performed relative to all examinees at that same level who took the SEE in 2004. Small stars in either of these columns means that you had no examinees at that level.

CUMULATIVE PERCENTAGE TABLES

At the top of the following pages, the main headings list separately each of the subtests and the total test. You may thus compare your performance with other participants for each of these categories by finding the appropriate heading.

Under each main heading you will see groups of columns with subheadings as in the following example:

Anatomy, physiology, pathophysiology anesthetic considerations			
Scaled Score Value	Year 1	Year 2	CUM. %
401-410	67.0	54.4	57.5
411-420	XXX	XXX	XXX
421-430	XXX	XXX	XXX
431-440	XXX	XXX	XXX
441-450	XXX	XXX	XXX

To compare (as in the example above) your score on subtest 2 (Anatomy, physiology, pathophysiology and anesthesia considerations) you would first locate the row on your Score Report labeled in this same manner and find your scaled score in the column labeled Scaled Score. If your scaled score on this subtest fell between 401 - 410, you would look down the first column of the cumulative percentage table for this subtest, the column labeled Scaled Score Value, until you found Your Score range of 401 - 410. You would then find in the next column to the right, labeled "Year 1," the corresponding cumulative percentage for 1st year examinees of 67.0. The 54.4 in the next column is the cumulative percentage for 2nd year examinees. The corresponding cumulative percentage of 57.5 for all examinees at that scaled score value is listed in the far right column labeled "CUM. %." This means that with a scaled score of 410 on subtest 2, an examinee scored higher or equal to 57% of all examinees on that subtest.

	Professional and Legal Aspects of Nurse Anesthesia			Anatomy, Physiology, Pathophysiology, Anesthesia Considerations			Pharmacology				
	Year 1	Year 2	All	Year 1	Year 2	All	Year 1	Year 2	All		
	Cum. %	Cum. %	Cum. %	Cum. %	Cum. %	Cum. %	Cum. %	Cum. %	Cum. %		
300-310	9.4	5.3	6.3	300-310	4.2	3.7	3.8	300-310	8.0	4.5	5.4
311-320	12.0	7.2	8.4	311-320	8.0	5.8	6.3	311-320	10.1	6.6	7.5
321-330	17.2	10.2	12.0	321-330	12.3	8.4	9.4	321-330	13.7	9.2	10.4
331-340	21.6	14.2	16.0	331-340	16.6	12.0	13.2	331-340	19.6	12.3	14.1
341-350	26.6	18.1	20.3	341-350	22.1	16.5	17.9	341-350	24.4	15.4	17.7
351-360	31.8	23.0	25.2	351-360	29.1	21.8	23.6	351-360	30.7	19.6	22.4
361-370	37.5	28.6	30.8	361-370	35.7	27.8	29.8	361-370	36.0	25.3	28.0
371-380	44.0	35.2	37.4	371-380	45.2	34.2	36.9	371-380	41.7	31.4	34.0
381-390	50.3	41.2	43.5	381-390	52.6	40.3	43.4	381-390	48.2	37.9	40.5
391-400	55.7	47.4	49.5	391-400	60.4	47.4	50.7	391-400	56.7	44.9	47.9
401-410	62.0	54.0	56.0	401-410	67.0	54.4	57.5	401-410	63.3	52.1	54.9
411-420	67.6	61.0	62.7	411-420	73.6	61.9	64.8	411-420	69.3	60.0	62.3
421-430	72.5	67.6	68.8	421-430	79.1	68.9	71.5	421-430	75.8	66.4	68.8
431-440	76.6	72.8	73.7	431-440	84.7	74.7	77.2	431-440	80.4	72.9	74.8
441-450	80.5	77.5	78.2	441-450	89.1	79.3	81.8	441-450	86.1	79.5	81.2
451-460	84.0	81.3	82.0	451-460	92.5	84.3	86.3	451-460	89.4	84.7	85.9
461-470	86.5	85.4	85.7	461-470	94.6	87.9	89.6	461-470	92.4	88.6	89.6
471-480	89.0	88.1	88.3	471-480	95.7	91.4	92.5	471-480	95.2	91.1	92.1
481-490	90.9	90.6	90.7	481-490	96.8	93.5	94.3	481-490	96.2	93.8	94.4
491-500	93.6	92.3	92.6	491-500	98.0	95.7	96.3	491-500	96.9	95.5	95.8
501-510	94.8	94.0	94.2	501-510	98.9	96.7	97.3	501-510	98.0	96.8	97.1
511-520	95.8	95.5	95.6	511-520	99.4	97.8	98.2	511-520	98.7	98.0	98.2
521-530	96.9	96.3	96.5	521-530	99.6	98.4	98.7	521-530	98.9	98.4	98.6
531-540	97.7	97.3	97.4	531-540	99.8	99.0	99.2	531-540	99.3	98.8	99.0
541-550	97.9	98.0	98.0	541-550	99.8	99.3	99.4	541-550	99.4	99.1	99.2
551-560	98.2	98.7	98.6	551-560	99.8	99.6	99.7	551-560	99.4	99.4	99.4
561-570	98.3	98.9	98.8	561-570	99.8	99.8	99.8	561-570	99.6	99.6	99.6
571-580	98.5	99.2	99.0	571-580	99.9	99.9	99.9	571-580	99.8	99.9	99.8
581-590	98.7	99.3	99.1	581-590	100.0	99.9	99.9	581-590	99.9	99.9	99.9
591-600	100.0	100.0	100.0	591-600	100.0	100.0	100.0	591-600	100.0	100.0	100.0

Basic Principles of Anesthesia

Practice

	Year 1	Year 2	All
	Cum. %	Cum. %	Cum. %

300-310	9.0	5.3	6.2
311-320	11.9	7.8	8.8
321-330	16.6	10.5	12.0
331-340	21.1	14.3	16.0
341-350	27.9	18.7	21.0
351-360	35.1	23.0	26.0
361-370	41.0	28.6	31.7
371-380	48.3	33.8	37.4
381-390	55.1	40.5	44.2
391-400	60.9	47.0	50.4
401-410	67.2	54.5	57.7
411-420	73.6	60.7	63.9
421-430	77.8	66.9	69.6
431-440	82.7	72.5	75.0
441-450	86.3	76.5	79.0
451-460	89.0	80.1	82.3
461-470	91.9	83.9	85.9
471-480	93.5	87.3	88.8
481-490	95.1	90.5	91.7
491-500	96.7	92.8	93.8
501-510	97.1	94.2	94.9
511-520	97.3	95.3	95.8
521-530	97.9	96.1	96.6
531-540	98.5	96.8	97.3
541-550	98.9	97.6	97.9
551-560	99.3	98.1	98.4
561-570	99.4	98.7	98.9
571-580	99.5	99.0	99.1
581-590	99.6	99.2	99.3
591-600	100.0	100.0	100.0

Adv Principles of Anesthesia

Practice

	Year 1	Year 2	All
	Cum. %	Cum. %	Cum. %

300-310	9.0	4.4	5.5
311-320	12.5	6.3	7.9
321-330	17.1	8.4	10.6
331-340	21.3	11.8	14.2
341-350	26.6	15.4	18.2
351-360	34.0	20.5	23.9
361-370	42.9	26.3	30.5
371-380	51.0	31.6	36.5
381-390	58.5	38.7	43.7
391-400	65.4	46.0	50.8
401-410	72.3	54.0	58.6
411-420	78.4	61.3	65.6
421-430	83.6	67.9	71.8
431-440	87.1	74.0	77.3
441-450	90.2	79.1	81.9
451-460	92.0	83.5	85.6
461-470	94.2	86.7	88.6
471-480	95.7	89.6	91.1
481-490	97.9	92.4	93.8
491-500	98.7	94.2	95.3
501-510	98.8	95.7	96.5
511-520	98.8	97.0	97.5
521-530	99.0	97.9	98.2
531-540	99.3	98.7	98.8
541-550	99.5	99.0	99.1
551-560	99.8	99.4	99.5
561-570	99.8	99.5	99.6
571-580	99.8	99.8	99.8
581-590	99.8	99.9	99.9
591-600	100.0	100.0	100.0

Scaled Score Total Test

	Year 1	Year 2	All
	Cum. %	Cum. %	Cum. %

300-310	2.2	1.3	1.5
311-320	4.2	2.7	3.1
321-330	8.3	4.8	5.7
331-340	12.5	7.3	8.6
341-350	18.3	10.3	12.3
351-360	24.8	14.5	17.1
361-370	35.1	21.0	24.5
371-380	45.5	28.7	32.9
381-390	54.8	37.1	41.5
391-400	65.6	47.0	51.7
401-410	73.1	56.5	60.6
411-420	80.9	66.9	70.4
421-430	88.1	75.7	78.8
431-440	92.8	83.3	85.7
441-450	95.8	88.7	90.5
451-460	98.3	93.0	94.3
461-470	99.0	96.0	96.8
471-480	99.4	97.7	98.1
481-490	99.9	98.8	99.1
491-500	100.0	99.5	99.6
501-510	100.0	99.9	99.9
511-520	100.0	99.9	99.9
521-530	100.0	100.0	100.0
531-540	100.0	100.0	100.0
541-550	100.0	100.0	100.0
551-560	100.0	100.0	100.0
561-570	100.0	100.0	100.0
571-580	100.0	100.0	100.0
581-590	100.0	100.0	100.0
591-600	100.0	100.0	100.0