

Nursing (I)

Master of Science (Part I) Nursing Examination, April, 2009

Nursing Research

Duration : Three Hours

Maximum Marks : 75

Part-A: Question No. 4 is compulsory. Attempt any TWO questions from rest.

Part-B: Question No. 3 is compulsory. Attempt any ONE question from rest.

PART-A

1. Describe research approaches & designs. 15
2. Define and describe type and formation of hypothesis with examples. 15
3. Describe sampling techniques and factors affecting sampling. 15
4. Write short notes on: 5×4=20
 - a) Theoretical framework
 - b) Conceptual framework
 - c) Techniques of data collection
 - d) Probability of tools

PART-B

1. Describe non-parametric tests with examples. 15
2. Describe in detail the measures of relationship. 15
3. Write short notes on: 5×2=10
 - a) Measures related to fertility
 - b) Simple linear regression analysis

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Nursing Education

Duration : Three Hours

Maximum Marks : 75

Question No. 7 is compulsory. Attempt any FOUR questions from rest.

1. a) Describe the educational aims and objectives. 5
b) Explain the qualities of educational objectives 5
c) Discuss the importance of lesson plan. Write the format of lesson plan. 5
 2. a) Describe the steps of curriculum development in Nursing. 7
b) Explain the construction of master rotation plan. What are the advantages of preparing master rotation plan in nursing education. 8
 3. Discuss the role of Indian Nursing Council in development and maintenance of standards and accreditation of nursing education in India. 15
 4. a) Explain the concept of evaluation in nursing education. 5
b) Describe briefly the techniques of evaluation used in evaluation of classroom teaching. 10
 5. a) Describe the principles of Guidance of Counselling. 10
b) Explain the measures undertaken for professional preparation of counselor. 5
- Describe in detail the Naturalism and Pragmatism Philosophies. How these influence the nursing education? 15
- Write notes on any THREE of the following:
- a) Seminar
 - b) Video Teleconferencing
 - c) Pragmatic Philosophy
 - d) Distance Education in Nursing.
- 5×3=15

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Advance Nursing Practice

Duration : Three Hours

Maximum Marks : 75

Attempt any FIVE questions.

1. Communication skills can help in providing quality patient care. Discuss it. 10
2. Discuss the importance of accountability in nursing practice giving examples. 15
3. Discuss the importance of ethical issues in nursing practice giving examples. 15
4. a) Elaborate the pathophysiology of pain. 15
b) Role of epidemiology in Health Care Delivery System. 15
5. Discuss the concepts of Orem's Theory and its application in clinical practice. 15
6. Write short notes on any FOUR of the following:-
a) Psychodynamics of illness
b) Tele-medicine
c) Role of professional bodies in Nursing
d) Disaster Management
e) Women empowerment
5×4=20

Significant at .05 level

Source: "Unpublished M.N. Thesis, Titled: Effectiveness of informational booklet on the knowledge attitude of High School children about smoking."

- Identify the types of variables under study. 2
- State one research and one null hypothesis. 2
- Give the rationale for the choice of statistical method. 1
- Give your interpretation of the result. 1

Part-B (25 Marks)

Calculate using assumed mean method:

- Mean
- Standard deviation for the following scores.

X	6	7	8	9	10	11	12
F	3	6	9	13	8	5	4

(2)

$$Am + \frac{|\Sigma f_u|}{N} \times i$$

11-12	2-5
10-11	1-4
9-10	9-5
8-9	
7-8	
6-7	(10)
5-6	

(10)

2. Calculate co-efficient of correlation, when $N=10$; $\Sigma X=200$; $\Sigma Y=160$; $\Sigma XY=3235$; $\Sigma X^2=4030$; $\Sigma Y^2=2668$

(3)

3. Spleen enlargement in children of 3-9 years is given below. Is there any association between enlargement and gender differentials of children?

(Use $X^2=3.84$ at 5% level of significance with 1 degree freedom)

Number of children

	With spleen enlargement	without spleen enlargement	
Male	a 60	b 20	(a+b) 80
Female	c 70	d 50	(c+d) 120
	T 130	T 70	200

$\frac{a \cdot d}{b \cdot c}$
 $\frac{60 \cdot 50}{20 \cdot 70} = \frac{3000}{1400} = 2.14$
 $\chi^2 = 2.14$
 $\chi^2_{table} = 3.84$
 $\chi^2 < \chi^2_{table}$
 No significant association

4. Answer the following:

- What is central tendency. (1)
- Define probability. (3)
- Why co-efficient of variance should be preferred? (1)
- What do you mean by standard error?
- Name various experimental design. (1)

$$se^2 = \frac{(ad + bc)^2 \cdot X}{(a+b)(c+d)(a+c)(b+d)}$$

1X5(5)

$$\frac{11}{6 \times 26 \times 20} = 0.001$$

$$[(60 \times 50) + (20 \times 70)] \times 200$$