

NURSING RESEARCH AND STATISTICS**(Common for all specialties)****Time : 3 hrs****Max marks : 100**

- Answer all questions.
- **Write Section A (52 Pages) and Section B (32 Pages) in separate answer books. Do not mix up questions from Section A and Section B.**
- Use only ordinary calculator.

Q.P.Code 103375**SECTION-A NURSING RESEARCH****Marks: 75****Essays**

1. Define and classify research design. Discuss in detail about true experimental designs
(2+8+10=20)
2. Classify non-probability sampling technique with examples. (15)
3. Define validity & reliability and methods to assess the validity & reliability of an instrument (15)
4. Describe the steps of literature search (10)

Short notes**(3x5=15)**

5. Types of hypothesis with suitable examples
6. Barriers to utilization of research findings
7. Rating scale

Q.P.Code 104375**SECTION B - STATISTICS****Marks: 25****Essay**

1. Describe the 't' test for independent sample. The following table gives the pulsality index(PI) value of 11 patients during and after seizure. Test whether there is significant increase on the average in PI values, after seizure as compared during seizure
(4+6=10)

During seizure	After seizure
0.40	0.50
0.44	0.55
0.43	0.54
0.52	0.68
0.43	0.63
0.60	0.70
0.45	0.59
0.35	0.61
0.34	0.50
0.41	0.68
0.40	0.64

Short notes**(3x5=15)**

2. Explain the different types of diagrammatic presentation of data and its disadvantages.
3. Mann-Whitney U-test
4. Incidence and prevalence rate.
