Ph.D. Course Work Examination, 2026
Department of Education, Vinaya Bhavana, Visva-Bharati
Subject-Education
Course: EDN- 412.3 (Teacher Education)

Time: 04 Hours **Full Marks: 80**

Attempt any five questions out of which question No. 8 is compulsory 5x 16=80

1. Distinguish between Teacher Education and Teachers Training. Discuss the objectives of Teacher Education in Primary and Secondary levels. 4+6+6

2. Discuss the advantages and challenges of ITEP and suggestions of NEP 2020 regarding Teacher Education programmes. 8+8

3. Develop a research design for Case study approach with reference to a research problem in the field of Teacher Education. 16

4. What are the current Teacher Education programmes according to NCTE? Discuss the nature and features of B.Ed. -M.Ed. 3 years integrated degree curriculum and its advantages and limitations in the field of Teacher Education. 6+10

5. What is professional development of teachers? Describe features of NPST published by NCTE in detail. Why should a teacher be updated with latest Journals of teacher education? 4+4+8

6. Justify the significance of including Indian Knowledge Tradition and integrating of ICT in Teacher Education programmes in India-Justify by considering NEP 2020 perspectives. 8+8

7. Prepare a research proposal with suitable title for Experimental research in the field of Teacher Education. 16

8. Write notes on any four of the following: **4x4=16**

(a) Discuss the merits of in-service Teacher Education programme.
(b) Discuss the significance of integration of content knowledge in Teacher Education curriculum.
(c) Write the disadvantages of privatization of Teacher Education programme.
(d) Why should a teacher know action research? Describe some priority areas for action research in teacher education.
(e) Describe briefly the role of NCERT in promotion of Teacher Education.

Ph.D. Course Work Examination, 2026
Department of Education, Vinaya Bhavana, Visva-Bharati
EDN-412.5: Contemporary Problems, Issues and Trends in Education

Answer any five questions out of which Question No. 8 is compulsory

Time- 4 Hrs **Full Marks-80**

1. Explain the structure and functions of the NCERT and the NCTE. Critically evaluate their role in maintaining quality in teacher education and accordingly school education in India. 8+8
2. Discuss the concepts of equity, equality, and excellence in higher education. Critically examine the major reforms proposed under the National Education Policy (NEP) 2020 in achieving these objectives. 4 + 12
3. "Inclusive education is not merely a placement strategy but a commitment to equity and social justice." Discuss this statement with suitable examples. 16
4. Explain the philosophical, social, and legal foundations of education for persons with disabilities in India. 5+5+6
5. Discuss the concept of Economics of Education. Explain the role of education in human capital formation and analyze the issues of social cost, opportunity cost and wastage in education. 6+5+5
6. What is Educational Management? Discuss the importance of strategic planning and knowledge management in improving educational institutions. 8+8
7. Discuss the role of Digital Education in transforming teaching-learning. Explain how ICT, Artificial Intelligence (AI) and entrepreneurship education are shaping the future of education. 4+4+4+4
8. Write short notes on **any four** of the following: **4x4=16**
   a. National Curriculum Framework (NCF 2023)
   b. Sustainable Development Goal 4 (SDG-4)
   c. Choice Based Credit System (CBCS)
   d. Challenges of women education in India
   e. Total Quality Management (TQM) in Education

Ph.D. Course Work Examination, 2026
Department of Education, Vinaya Bhavana, Visva-Bharati
Subject: Education
EDN-412.1: Educational Psychology

Time: 4 Hours **Full Marks: 80**

(Questions are of value as indicated in margin)

Answer any **five** questions, out of which Question No.8 is compulsory

1. Differentiate between intelligence and creativity with example. Differentiate between Jean Piaget's cognitive theory and Lev Vygotsky's Socio-cultural cognitive theory with their significance to present educational context. 6+5+5

2. How do instinct, drive and need influence motivation to obtain desired behavioural outcome? Critically discuss the rectified version of Maslow's theory of motivation in terms of its significance, implications and criticism. 6+10

3. What are the major contributions of Dr Girindrasekhar Bose in Indian thought of Psychoanalytic theory? Discuss different levels of consciousness according to Upanishadic view with their present implications and criticisms. 8+8

4. Define inclusive education. Explain the guiding principles of inclusive education. Discuss various initiatives taken by the government for inclusive education of children with special needs. 2+6+8

5. Define personality. Explain various factors that affect personality of the child. Discuss OCEAN Model of personality. 2+6+8

6. Define standardised tests. Explain the key features of a standardized test. As a researcher what are the important points you will consider while preparing items for a scale? 2+8+6

7. Discuss various causes and conditions of visual impairment. How can the prenatal causes of visual impairment be prevented? 10+6

8. Write notes on any **four** of the following: **4x4=16**

   a. Oedipus complex
   b. Sign language
   c. Special Education
   d. Situated Cognition
   e. Multiple Intelligence

Ph.D. Course work Examination 2026
Department of Education Vinaya Bhavana, Visva-Bharati
Subject: Education
EDN – 411: Research Methodology and Techniques

Time: 4 Hours **Full Marks: 80**

(Questions are of value, as indicated in the margin)

Answer any **Five Questions out** of which **Question No. 8 is compulsory**

1. Distinguish between research designs and research methods. How does a true experimental design differ from a quasi-experimental design? Discuss with examples two mostly used true experimental designs and two mostly used quasi-experimental designs in educational research. 3+3+5+5
2. Why should one conduct review of literature in research? State categorically in what ways reviewing literature helps a scholar in formulating research questions and objectives, designing the study, selecting samples, tools and techniques, making data analysis, interpreting and discussing the results. 4+12
3. Enumerate the importance of grounded theory research in qualitative inquiry. What are the characteristics of the grounded theory approach? Explain the processes involved in identifying the core category or central phenomenon in grounded theory research, considering the role of coding and theoretical saturation in this process. 2+6+8
4. Elucidate the fundamental characteristics of qualitative research. Critically discuss ethnographic research and case study research as the major approaches within qualitative inquiry. Discuss the different sampling techniques used in qualitative research. 4+4+4+4.
5. Describe 'one-tailed test' and 'two-tailed test' of significance? In an experiment of 1600 beans on the breeding of peas, a researcher obtained the these data from the four groups 882, 313, 287, and 118. The theory predicts the proportion of beams in four groups A, B, C, and D 9:3:3:1. Does the experiment result support the genetic theory? Test at 0.05 level.

   In a Mathematical ability test the scores of 60 boys of 10^{th} grade and 80 girls of 10^{th} grade are given bellow.

	Boys	Girl
Mean	60	62
SD	10	12
N	60	80

   Assuming the samples are random, whether the boy and girls differ significantly? Test the hypothesis at 0.01 and interpret the result

OR (Only for VI)

5. What do you mean by 'one-tailed test' and 'two-tailed test' of significance? Discuss in brief the underlying assumptions and uses of the chi-square test. What is the contingency coefficient? How is it helpful in analyzing and interpreting statistical data? What is partial correlation? 2+5+2+5+2

6. What is discipline? How methodology of educational research establish education as a discipline duties the mid eighties of last century? Justify the answer referencing specific policies implementing the UGC since 1986.
7. Identify and justify the emerging priority areas of research in education in the light of NEP-2020 and Sustainable Development Goal-4 (SDG-4).
8. Write **any four** of the following: **4x4=16**
   a. Should the Ph.D. research report contain both bibliography and references? Justify your answer.
   b. Give examples of qualitative research. State reasons, why qualitative researches are so important and necessary in the field of education.
   c. Explain the nature, types, uses and limitations of casual comparative studies.
   d. Describe the factors that the researcher should keep in view when making interpretation of the results, and formulating conclusions and generalisations.
   e. Explain, by giving examples, the meaning of primary and secondary sources of data, and external and internal criticisms of historical data. How are historical events validated in historical research? 2+2