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Question Paper Code: 52310

Ph.D COURSE WORK EXAMINATION, MAY 2017

15PEN602 – PEDAGOGY FOR ENGINEERING EDUCATION

(Regulation 2015)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (5 x 20 = 100 Marks)

1. (a) Explain the role of ICT in teaching and learning. (20)
Or
(b) Write in detail about the recent trends in engineering education. (20)
2. (a) Explain in detail the general maxims of teaching. (20)
Or
(b) Give an overview of Outcome Based Education. (20)
3. (a) Describe the learning outcomes in the three domains of education with suitable examples. (20)
Or
(b) Explain the following in detail
 - (i) Graduate Attributes (10)
 - (ii) Linking learning outcomes to teaching and assessment (10)
4. (a) Explain any three learner centric pedagogical methods. (20)
Or
(b) Describe in detail the process involved in the assessment of Programme Outcomes and Programme Educational Objectives. (20)

5. (a) Explain the following with respect to curriculum design

(i) The concept of "Constructive Alignment" (10)

(ii) The two loop approach of ABET (10)

Or

(b) With suitable examples explain the following:

(i) Concept Mapping (10)

(ii) Instructional Design and Delivery (10)
