

**SYLLABUS FOR COMPUTER BASED RECRUITMENT TEST (CBRT)**  
**FOR THE POST OF ASSISTANT PROFESSOR FOR TEACHING LEARNING AND**  
**EDUCATIONAL TECHNOLOGY FOR STATE HIGHER EDUCATION COUNCIL**  
**UNDER**  
**DIRECTORATE OF HIGHER EDUCATION**  
**(Advt No. 05 Year 2019)**

**I. General English including Grammar - 05 marks**

**II. General Knowledge, Current Affairs and Events of National and International Importance - 10 marks**

**III. Logical Reasoning and Analytical Ability - 10 marks**

**IV. Core: - 50 marks**

**Concept of Teaching and learning**

Teaching : Nature , objectives , characteristics and basic requirements, learners characteristics, factors affecting teaching, online versus offline methods of teaching, Teacher support system.

**Concept of Educational Technology**

Concept / Components of Educational Technology, meaning ,scope and to Modern education, Information and communication basics, Technology in Education and Technology of Education. , E-learning and its types and components, Learning Management System (LMS) , Course Management System (CMS),Types and forms of e-content , ADDIE Model, ASSURE Model, ARCS Model.

**Modern Tools and Techniques**

Web based learning, e-resource. e- Communication :Forums, blogs, bulletin boards. Advantages and disadvantages of e-communication Social Media for Pedagogical Innovation, e-textbooks, e-journals, digital library, e-Governance, Mobile learning and ubiquitous computing , cloud computing , Blended Learning, MOOC, Moodle, flipped classroom: Need and importance in Indian context, Augmented reality pedagogical potentials, pedagogy in Bring Your Own device (BYOD) environment. Open Educational Resource (OER) , Creative Common License, Concept of Digital Immigrants and Digital Natives. Emerging Digital Assistive Technologies, Universal Design for Learning (UDL) and inclusion, Techno pedagogical content knowledge (TPACK).

**Modern Apps for Teaching and learning**

Web 2.0 technologies, google apps: Gmail, Google Drive , Google forum, Google translator , Google sites,Online and offline assessment tools – Rubrics, survey tools ,question banks , reflective journals

**Note:**

**Duration for C.B.R.T : 75 Minutes**

**Maximum Marks for C.B.R.T : 75 Marks**