N.V.K.S.D. COLLEGE OF EDUCATION
(AUTONOMOUS)
M.Ed. Degree Third Semester Examination, December 2025
(For the candidates admitted during the academic year 2024-2025)

Tool Course: ADVANCED EDUCATIONAL TECHNOLOGY
Course code: MED3TC004

Time: 3 Hours   **Maximum Marks: 70**

SECTION A (10 x 1 = 10 marks)
Answer ALL the questions by selecting the appropriate answers.

1. Educational Technology is mainly concerned with
   a) Hardware devices   b) Software packages
   c) Systematic application of technology in education
   d) Online learning only
2. CIET functions under
   a) UGC   b) NCERT   c) AICTE   d) NCTE
3. The full form of NROER is
   a) National Repository of Open Educational Resources
   b) National Research on Online Education Resources
   c) National Record of Educational Reports
   d) National Repository of Online Educational Resources
4. Identify the models of blended-learning from the following
   a) Group-Based   b) Debate-Oriented
   c) Traditional   d) Rotation
5. MOODLE is an example for
   a) OER   b) LMS   c) FOSSEE   d) MOOC
6. A regularly updated website or web page, run by an individual or small group that is written in an informal or conversational style is
   a) Gamification   b) Podcasts   c) Blog   d) e-content
7. The Domain Model, The Student Model, The Tutor Model, and The User Interface Model are the basic components of
   a) Artificial Intelligence   b) Open-Source Software
   c) Digital Tools   d) Intelligent Tutoring System
8. The digital pedagogy principle which promotes self-paced learning is
   a) Blended learning   b) Flipped learning
   c) Adaptive learning   d) Traditional learning
9. The storage service model of Cloud Computing that provides virtualized hardware is
   a) SaaS   b) PaaS   c) IaaS   d) DaaS

10. Dropbox, Google Drive, and OneDrive are the examples of
    a) Cloud Computing   b) Data sharing services
    c) Cloud Storage   d) System software

SECTION B (5 x 2 = 10 marks)
Answer all the FIVE questions in about 100 words each.
11. Define Educational Technology.
12. Critically compare Vikaspedia with digital libraries.
13. To what extent do OER contribute to academic inclusivity?
14. Analyse any four new principles of Digital Pedagogy.
15. Evaluate the transformative potential of cloud-based storage systems in education.

SECTION C (6 x 5 = 30 marks)
Answer any SIX questions in about 200 words each.
16. Differentiate between hardware and software approaches of Educational Technology.
17. Using the ADDIE model how will you design and develop an e-content.
18. Explain the educational values of MOOCs.
19. What are Web 2.0 tools? How are they useful in digital pedagogy?
20. Describe the concept and future prospects of adaptive learning.
21. Critically evaluate the functions of MIS.
22. As a teacher, how will you implement Flipped learning in your classroom instruction?
23. Highlights the benefits of Technology-Enabled Learning (TEL).

SECTION D (2 x 10 = 20 marks)
Answer BOTH the questions in about 500 words each.
24. a) Discuss any three major institutions of Educational Technology in India.

(Or)

b) Describe the importance and impact of ICT initiatives in India such as SWAYAM, NDL and NMEICT.

25. a) Elaborate the application of Artificial Intelligence in education and research with suitable examples.

(Or)

b) As a teacher how will you create awareness of cyber-attacks among your students and suggest various strategies to ensure cyber security.