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A - 2919

Reg. No. :

Name :

Second Semester B.Ed. Degree Examination, May 2016
EDU 09.07 : CURRICULUM AND RESOURCES IN DIGITAL ERA :
MATHEMATICS EDUCATION
(2015 Admn. Onwards)

Time : 2 Hours

Max. Marks : 50

PART - A

Answer **all** questions :

1. Which among the following is an activity aid ?
 - a) Video clips
 - b) Working model
 - c) Field trip
 - d) Still model
2. An advantage of reflective learning is
 - a) Rote learning
 - b) Meta cognition
 - c) Memorising information
 - d) None of the above
3. Which of the following is NOT a major reason for reforms in mathematics curriculum ?
 - a) Difficulty in learning mathematics
 - b) Expansion of the subject
 - c) Researches in learning and instruction
 - d) Technological development
4. Action research focuses on
 - a) Theory building
 - b) Improving practice
 - c) Expansion of knowledge
 - d) Generalization
5. A not open source that help in creating interactive questions for World Wide Web is
 - a) MOOC
 - b) MOODLE
 - c) Blogger
 - d) Hot potatoes

(5×1=5 Marks)

P.T.O.



PART - B

Answer in **one** word/sentence :

6. The research in which statistical analysis of data is essential is _____
7. In which type of curriculum organization, the nature of content is given more importance ?
8. Which curricular reform replaced Arithmetic and Geometry for new math like set theory and graph theory ?
9. The totality of experiences received by an individual from the educational institution is known as _____
10. _____ sequence is present in the arrangement of seeds within a sunflower. (5×1=5 Marks)

PART - C
(Very Short Answer)

Answer **all** questions :

11. Write any two purposes of research in mathematics education.
12. What are the advantages of m-learning ?
13. List two major objectives of organizing mathematics exhibitions.
14. Explain any one natural resources that can be used for teaching 'Proportion'.
15. What are the characteristics of experimental learning ? (5×2=10 Marks)

PART - D
(Short Answer)

Answer **any 4** questions :

16. Explain modern trends in curriculum construction.
17. Write the major contributions of SMSG.
18. How can a teacher use the community resources in mathematics education ?
Give a suitable example.



- 19. What are the functions of a mathematics library ?
- 20. Bring out the significance of 'Learning Management System'.
- 21. Suggest any two areas in which research is essential for improving mathematics education and explain their importance. (4×5=20 Marks)

PART - E
(Essay)

Answer **any 1** question :

- 22. Explain the relevance of a mathematics laboratory. Select a topic from school mathematics that can be taught through laboratory method and explain the procedure.
- 23. What is the role of mathematics club ? As a teacher how will you organize a mathematics club in your school ? Explain various programmes that will be organized by the club. (1×10=10 Marks)