Reg. No. : ....

Name : ....

Second Semester B.Ed. Degree Examination, April 2020

EDU-09.7 CURRICULUM AND RESOURCES IN DIGITAL ERA : MATHEMATICS EDUCATION
(2019 Admn.)

Time : 2 Hours　　　　　　　　　　　　　　　　　　　Max. Marks : 50

Instructions : Answer all questions from Part A, Part B and Part C, four questions from Part D and one question from Part E.

PART – A

Select the most appropriate answer from the multiple choices given for Qus. (1-5)

1.　Web 2.0 is the term coined by

　　(a)　Daley Dougherty

　　(b)　Darcy Dinnucci

　　(c)　Tim O' Reilly

　　(d)　Tim O' Reilly and Daley Dougherty

2.　This is not a community resource for mathematics learning.

　　(a)　Nature centres

　　(b)　Museums

　　(c)　MOOC

　　(d)　Gardens

3. SMSG is

   (a) Scottish Mathematics Study Group

   (b) Student Mathematics Study Group

   (c) School Mathematics Study Group

   (d) Selected Mathematics Study Group

4. Research initiated to solve an immediate problem locally

   (a) Longitudinal Research

   (b) Applied Research

   (c) Action Research

   (d) Historical Research

5. A free community for sharing instructional videos and content for teachers and students.

   (a) M-learning

   (b) Teacher tube

   (c) Edu blog

   (d) Hot potatoes

(5 × 1 = 5 Marks)

PART – B

Answer **all** questions in **one** or **two** sentences each.

6. Suggest any two examples from daily life to illustrate the concept of sphere.

7. Give two features of child centred curriculum.

8. Define learning management system.

9. Give any two advantages of mathematics club.

10. Mention any two curriculum study groups.

(5 × 1 = 5 Marks)

PART – C

Answer **all** questions in a paragraph each.

11. What do you mean by edu blog?

12. What is experiential learning?

13. Distinguish between qualitative research and quantitative research.

14. What are the different ways of correlating mathematics to other subjects?

15. How will you organise a field trip for mathematics learning?

(5 × 2 = 10 Marks)

PART – D

Answer **any four** questions in **one** page.

16. How can library be effectively used to teach mathematics?

17. Explain the need for critical pedagogy.

18. Explain the steps to conduct an action research.

19. Discuss the importance of community based resources in the present scenario.

20. Explain the various types of research that can be used in mathematics education.

21. Describe the common features found in learning management system.

(4 × 5 = 20 Marks)

PART – E

Answer **any one** question in **three** pages.

22. Discuss on the new approaches to curriculum construction.

23. Discuss the role of modern technology in the teaching and learning of mathematics.

(1 × 10 = 10 Marks)

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