

Continuous Internal Assessment Test III - June 2021
SEMESTER II

Class : I B.Ed.

Time: 3 Hrs.
Max. Marks: 100

18BEDM12 School Subject I: Methods and Techniques of Teaching Mathematics

Course Outcomes:

- CO1: develop competency in teaching skills
- CO2: choose appropriate methodology for teaching mathematics
- CO3: analyse various techniques for teaching mathematics
- CO4: plan daily lesson for teaching mathematics
- CO5: design yearly, term, monthly and weekly plan
- CO6: construct auto instructional material for teaching mathematics

PART – A

10 x 1 = 10

Choose the Correct Answer

1. Micro teaching is a _____ of teaching. CO 1 K1
 - a. method
 - b. approach
 - c. style
 - d. Technique

2. Gesture is a component of the skill of CO1 K1
 - a. questioning
 - b. Explaining
 - c. reinforcement
 - d. stimulus variation

3. Heuristic method is also called CO2 K2
 - a. drill
 - b. Discovery method
 - c. Problem based method
 - d. All the above

4. Project method was advocated by CO2 K1
 - a. Armstrong
 - b. Kilpatric
 - c. Keller
 - d. John Dewey

5. Assignments are given with the idea of CO3 K2
 - a. extending class work to home
 - b. encouraging independent work
 - c. finishing the portions
 - d. to make parents to be familiar with school portions

6. The method that keeps good show of discipline in class is CO2 K2
 - a. demonstration
 - b. lecture
 - c. assignment
 - d. Heuristic

7. Lessons should be planned and prepared by _____ teachers. CO4 K2
 - a. all

- b. trainee teachers
c. newly recruited
d. nexperenced
8. Drill work is one of the devices used for the following CO3 K2
a. Fixing the knowledge
b. Verifying the results
c. Making the pupils to think originally
d. Carrying out computations
9. Tutorial is one of the modes of _____ instruction CO6 K2
a. programmed
b. personalised system of
c. computer assisted
d. Team
10. CAL stands for CO6 K1
a. Computer Assisted Learning
b. Computer Animated Learning
c. Computer Advanced Learning
d. Computer Animated Learning

PART – B

5 x 6= 30

Answer ALL questions

Each answer should not exceed 400 words or two pages

- 11 a. **Define Micro teaching. Explain micro cycle.** CO1 K2
(or)
- 11 b. How will you adapt the skill of questioning to enhance pupil participation in your maths class? CO1 K2
- 12 a. How heuristic method can help in teaching mathematics CO2 K2
(or)
- 12 b. Explain problem solving method in mathematics CO2 K2
- 13 a. Explain Drill, quiz techniques in teaching mathematics with an example. CO3 K3
(or)
- 13 b. Highlight the need and importance of seminar and workshop CO3 K3
- 14 a. Distinguish unit plan from lesson plan(any 5) CO5 K2
(or)
- 14 b. Analyse ABL method of teaching. CO4 K4
- 15 a. Explain CAI CO6 K2
(or)
- 15 b. Explain PSI CO6 K2

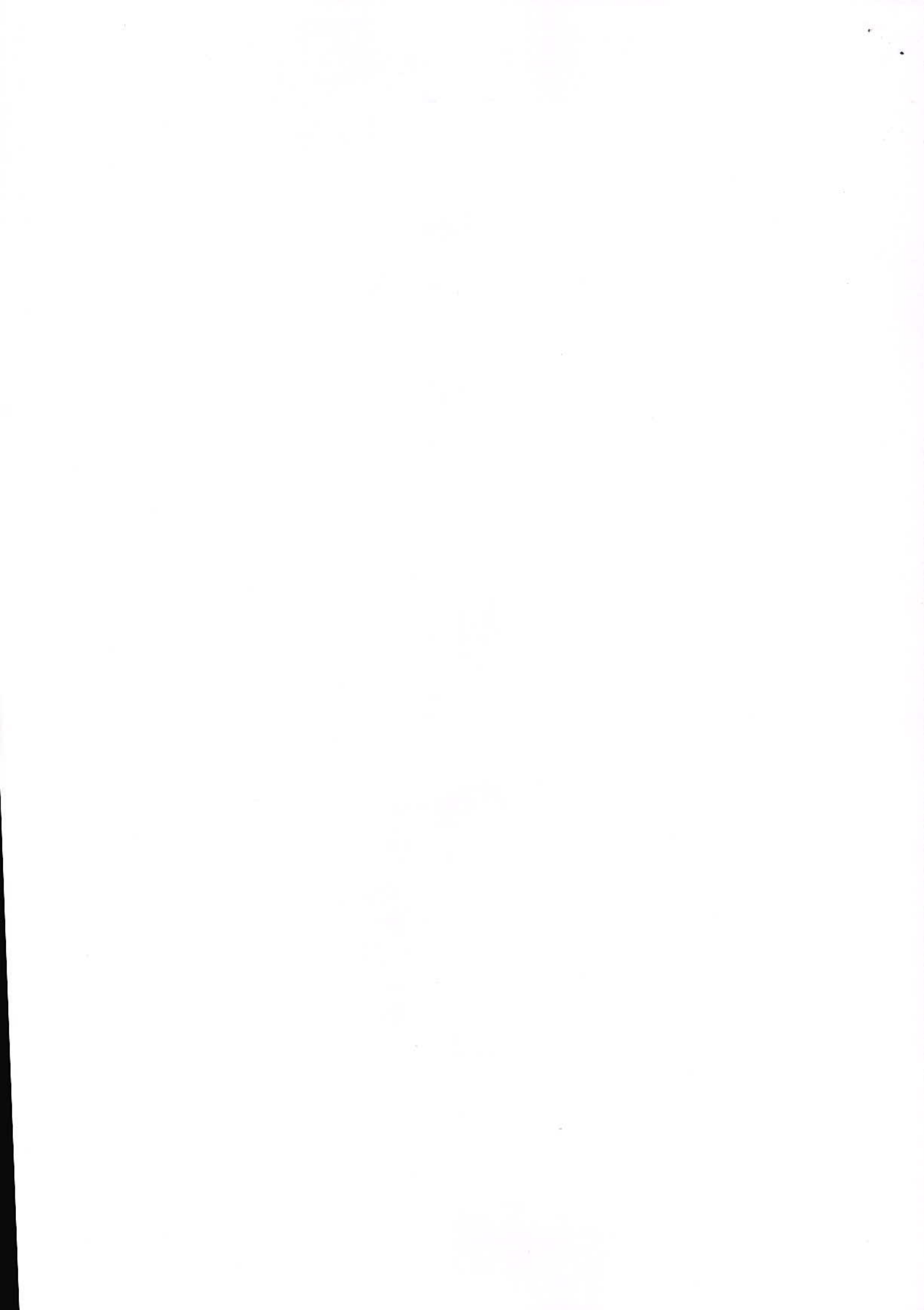
PART – C

5 x 12 = 60

Answer ALL question

Each answer should not exceed 800 words or four pages

- 16 a. Explain the components of stimulus variation. CO1 K2
(or)



16 b.	Explain the components of questioning.	CO1	K2
17 a.	Explain the merits and limitations of lecture method with an example.	CO2	K2
	(or)		
17 b.	Explain the merits and limitations of problem solving with an example.	CO2	K3
18 a.	Explain the merits and demerits of assignment, supervised study and group work.	CO3	K2
	(or)		
18 b.	Explain the need and importance of seminar and workshop. Write its merits and demerits.	CO3	K2
19 a.	Explain ALM with an example.	CO4	K3
	(or)		
19 b.	Explain the Herbartian steps. Bring out the need and importance of writing a lesson plan.	CO4	K2
20 a.	Prepare five questions with four options in Branching Programming	C06	K3
	(or)		
20 b.	Prepare ten frames in Linear programming and an example in Mathetics	CO6	K5