

**B. Ed.**  
**SECOND SEMESTER**  
**TEACHING OF MATHEMATICS**  
**BED- 203A(Op)**

**Duration: 2 Hrs. 40 Mins.**

**Marks: 50**

{ PART : A (OBJECTIVE) = 20 }  
{ PART : B (DESCRIPTIVE) = 50 }

**[ PART-B : Descriptive ]**

**[ Answer question no. One (1) & any four (4) from the rest ]**

1. What do you understand by the term learning? Discuss the factors affecting learning in classroom. 4+6=10
2. Define Intelligence. Discuss the nature of intelligence and its relations with creativity 2+4+4  
=10
3. What is Motivation? Explain the nature and educational Implications of the Motivation. 3+3+4  
=10
4. Discuss Briefly on any one Theory of Learning 10
5. What do you mean by Teaching? Briefly describe different phases of teaching? 3+7=10
6. Enumerate the general principles of teaching. Explain any three maxims of teaching with example. 4+6=10
7. Distinguish between Teaching Method and Strategies. Explain different teacher centered and learner centered approaches. 2+4+4  
=10
8. Write a short on any two of the following: 5+5=10
  - (a) Simulated teaching
  - (b) Team teaching and team learning
  - (c) Co-operative learning and Group learning

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[ PART-A : Objective ]

Choose the correct answer from the following:

1×20=20

1. The term learning covers to every modification in behavior to meet environmental requirements.  
a. Gardner Murphy  
b. Henry P. Smith  
c. Woodworth  
d. Crow and Crow
2. The theory of Insightful Learning was propounded by  
a. Thorndike  
b. Gestalt  
c. Piaget  
d. Guthrie
3. Transfer of learning is said to be ....when learning or training in one situation does not have any significant influence over the learning or training in another situation.  
a. Zero  
b. Negative  
c. Positive  
d. None
4. The term IQ was first coined by  
a. Simon  
b. Alfred Binet  
c. W.P. Alexander  
d. William stern
5. The famous American Psychologists put forward a theory of Learning and instruction incorporating a behaviouristic, eclectic approach the psychology of learning and Teaching  
a. Robert Gagne  
b. Carl Rogers  
c. C.L Hull  
d. None
6. The need for self-actualization is-  
a. Biological needs  
b. Psychological needs  
c. Social needs  
d. All of the above
7. Attention is closely related to-  
a. Process of learning  
b. Product of learning  
c. Process and products of learning  
d. None
8. Learning to play Harmonium is a-  
a. Motor skill  
b. Cognitive skill  
c. Intellectual skill  
d. Attitude
9. Discovery learning is a ..... in which the principal content of what is to be learned is not given, but must be independently discovered by the student.  
a. Constructivists  
b. Inquiry  
c. Learning situation  
d. Structure of knowledge
10. The first intelligence tests was first developed in  
a. 1905  
b. 1904  
c. 1923  
d. 1910
11. .... is an accurate representation of realistic situation  
a. Simulation teaching  
b. Team teaching  
c. Cooperative learning  
d. Blended learning
12. Structure of teaching consists of the following three variables  
a. Student as independent variable, teacher as dependent variable, content as intervening variable  
b. Teacher as independent variable, student as dependent variable, content as intervening variable  
c. Student as intervening variable, teacher as dependent variable, content as independent variable  
d. All the above
13. According to ..... "Teaching is the stimulation, guidance, direction and encouragement of learning".  
a. B.O. Smith  
b. Burton  
c. Clarke  
d. H.C. Morrison

14. Which of the following is not a psychological principle of teaching

- a. Principle readiness
- b. Principle of stimulation
- c. Principle of rote learning
- d. Principle of play way

15. Example of Indirect approach can come as

- a. Discovery method
- b. Problem solving method
- c. Project method
- d. All the above

16. The best method of teaching is to

- a. Impart information
- b. Ask students to read books
- c. Suggest good reference material
- d. Initiate a discussion and participate in it

17. When the conclusion of an argument follows from specific examples and concrete details, then the argument is called

- a. Circular argument
- b. Inductive argument
- c. Deductive argument
- d. Analogical argument

18. Which of the following is not a maxim of teaching

- a. Proceed from definite to indefinite
- b. Proceed from concrete to abstract
- c. Proceed from known to unknown
- d. Proceed from psychological to logical

19. .... is said to be the birth place of team teaching

- a. USA
- b. UK
- c. India
- d. France

20. Teaching strategy means

- a. A set of principles, beliefs or ideas about the nature of learning
- b. A long term plan of action designed to achieve a particular goal
- c. An orderly logical arrangement of steps
- d. A well defined procedure used to accomplish a specific activity or task

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# UNIVERSITY OF SCIENCE & TECHNOLOGY, MEGHALAYA



## Question Paper CUM Answer Sheet

### PART (A) : OBJECTIVE

Serial no. of the main Answer sheet

Course : .....

Semester : ..... Roll No : .....

Enrollment No : ..... Course code : .....

Course Title : .....

Session : ..... 2016-17 ..... Date : .....

#### Instructions / Guidelines

- > The paper contains twenty (20) / ten (10) questions.
- > The student shall write the answer in the box where it is provided.
- > The student shall not overwrite / erase any answer and no mark shall be given for such act.
- > Hand over the question paper cum answer sheet (Objective) within the allotted time (20 minutes / 10 minutes) to the invigilator.

Full Marks	Marks Obtained	Remarks
20		

Scrutinizer's Signature

Examiner's Signature

Invigilator's Signature