

Write the following information in the first page of Answer Script before starting answer

ODD SEMESTER EXAMINATION: 2020-21

Exam ID Number _____

Course _____ Semester _____

Paper Code _____ Paper Title _____

Type of Exam: _____ (Regular/Back/Improvement)

Important Instruction for students:

1. Student should write objective and descriptive answer on plain white paper.
2. Give page number in each page starting from 1st page.
3. After completion of examination, Scan all pages, convert into a single PDF, rename the file with Class Roll No. (2019MBA15) and upload to the Google classroom as attachment.
4. Exam timing from 10am – 1pm (for morning shift).
5. Question Paper will be uploaded before 10 mins from the schedule time.
6. Additional 20 mins time will be given for scanning and uploading the single PDF file.
7. Student will be marked as ABSENT if failed to upload the PDF answer script due to any reason.

**BACHELOR OF EDUCATION
THIRD SEMESTER
TEACHING OF MATHEMATICS
BED - 302A**

Duration: 3 hrs.

Full Marks: 70

[PART-A: Objective]

Time: 20 min.

Marks: 20

Choose the correct answer from the following:

1X20=20

1. "Mathematics" term was coined by-
 - a. Pythagoreans
 - b. Pythagactus
 - c. Pythamorean
 - d. Pythamascious L.G
2. Who said that, "Mathematics is the science which draws necessary conclusions"?
 - a. Hogben
 - b. Locke
 - c. Benjamin Peirce
 - d. None of the above
3. Mathematics is-
 - a. Systematized & organized
 - b. Has it's own languages
 - c. Scientific and logical reasoning
 - d. All the above
4. The most possibility of guessing is
 - a. In matching type terms
 - b. In true-false terms
 - c. In multiple choice terms
 - d. None of these
5. The most important use of essay type test is
 - a. To measure the knowledge in an impressive way
 - b. It is essay to administered them
 - c. To measure higher mental abilities in a impressive way
 - d. To measure the objective of low level
6. Who said –"Instructional objectives are best described in terms of the terminal behavior expected from the learners".
 - a. Robert Mager
 - b. R.C.E.M
 - c. Robert Miller's
 - d. Robert Wadra
7. ----- is a teaching outline of the important point of a lesson arranged in the order.
 - a. Blue print
 - b. Question paper
 - c. Lesson plan
 - d. Resource unit
8. Preparation of Daily lesson planning includes
 - a. Determination of objectives
 - b. Selection of Content
 - c. Determination of method
 - d. All the above
9. Which is not true about lesson plan?
 - a. It develops confidence in teacher
 - b. It is developed by students
 - c. It helps in orderly delivery of contents
 - d. It saves from haphazard teaching

10. What is another name for the 'scientific method'?
- Trial and Error
 - Hypothetico-deductive method
 - Theoretical-empirical method
 - Deducto-hypotheical method
11. The Socratic method of teaching is known as
- Lecture demonstration method
 - Inquiry method
 - Discussion method
 - Question answer method
12. The most use of teaching aids in-
- Arithmetic
 - Geometry
 - Algebra
 - Trigonometry
13. Correlation in mathematics indicates
- Joint relationship
 - Reciprocal relationship
 - Both a and b
 - None of these
14. Which of the following subjects, mathematics is highly correlated-
- Chemistry
 - Botany
 - Physics
 - Zoology
15. Which question have increasing objectivity of marking:
- Unstructured essays
 - Structured essays
 - Short answer
 - Multiple choice questions
16. To grasp the meaning of the material is
- Comprehension
 - Knowledge
 - Application
 - Synthesis
17. The full form of CCE is
- Continual and Comprehensive Evaluation
 - Continued and Comprehensive Evaluation
 - Co ordinate and Comprehensive Evaluation
 - Continuous and Comprehensive Evaluation
18. Conducting evaluation to assess the problems faced by a pupil falls under which type of evaluation?
- Placement Evaluation
 - Formative Evaluation
 - Diagnostic Evaluation
 - Summative Evaluation
19. A scoring guide used to evaluate the quality of students is called
- Check- list
 - Inventories
 - Rating scale
 - Rubrics
20. Educational diagnosis is concerned with
- Objectives of cognitive domain
 - Objectives of affective domain
 - Objectives of conative domain
 - All the above

PART-B: Descriptive

Time: 2 hour 40 minutes

Marks: 50

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

- | | |
|--|----------------|
| 1. Define achievement test. Give a brief outline of the steps in the construction of an achievement test in Mathematics. | 2+8=10 |
| 2. Discuss the objectives of teaching Mathematics in Secondary and Higher Secondary levels. | 5+5=10 |
| 3. Explain the Blooms Taxonomy of educational objective. | 1+3+3+3
=10 |
| 4. Define the term mathematics. Write the nature and place of Mathematics in school curriculum. | 2+3+5
=10 |
| 5. What is lesson plan? Prepare a lesson plan on Polynomials. | 2+8=10 |
| 6. Define Inductive and Deductive method with specific illustrations for their use in teaching of Mathematics. | 6+4=10 |
| 7. Discuss the structure and values of Mathematics. | 5+5=10 |
| 8. Write the concept of Diagnosis in Mathematics. Write the dimension and steps of Diagnostic Test, | 3+3+4
=10 |

= = *** = =