

**F 6784**

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Reg. No.....

Name.....

**M.Ed. DEGREE (CSS) EXAMINATION, DECEMBER 2019**

**First Semester**

Common Core Course

**EDU 010 104—TRENDS, ISSUES, INNOVATIONS AND RESEARCH IN TEACHER  
EDUCATION**

(2019 Admission onwards)

[Regular]

Time : Three Hours

Maximum Weight : 30

**Section A**

*Answer any **eight** questions.*

*Each question carries a weight of 1.*

1. Expand UNO. Mention any two functions of UNO.
2. What are the stages of development of a teacher according to Berliner ?
3. List out the features of online mode of teacher education.
4. Write a note on MOOC.
5. What is the relevance of inservice teacher education programmes ?
6. What is meant by accountability of teachers ?
7. Briefly explain three dimensional cube of knowledge management visualized by Boisot.
8. What is blended learning ?
9. Point out the gender issues in professional development of teachers.
10. Bring out the importance of action research in Teacher Education.

(8 × 1 = 8)

**Section B**

*Answer any **six** questions.*

*Each question carries a weight of 2.*

11. How TQM is helpful in improving the teacher education system ?
12. "Globalization has resulted in changes in existing system of teacher education." Substantiate.
13. Describe the ways and means of linking teacher education institutions with school and community.
14. Explain the aims and objectives of teacher education at secondary level.

**Turn over**

15. Elucidate the strategies for making teachers as a reflective practitioner.
16. Describe 7E model with suitable example.
17. How ICT can be used effectively for the empowerment of teacher educators ?
18. Explain the role and functions of SCERT as an agency of teacher education.

(6 × 2 = 12)

### Section C

*Answer any two questions.*

*Each question carries a weight of 5.*

19. Describe the role and functions of National level agencies of teacher education.
20. "Quality enhancement in teacher education is a deliberate process of change that leads to improvement." Substantiate.
21. Critically examine the national and state level policies on teacher education.
22. Explain the methodological issues of research in teacher education and suggest appropriate measures to overcome these issues.

(2 × 5 = 10)

**F 2608**

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Reg. No.....

Name.....

**M.Ed. DEGREE EXAMINATION, NOVEMBER 2018**

First Semester

Common Core Course

**EDU 904—INTRODUCTION TO EDUCATIONAL RESEARCH AND STATISTICS**

(Two Year Course—2015 Admission onwards)

[Regular / Supplementary]

Time : Three Hours

Maximum : 80 Marks

**Part A**

*Answer any two questions.*

*Each question carries 10 marks.*

1. Explain the different types of educational research with suitable example.
2. Describe different measures of dispersion. Mention their relative merits and demerits.
3. Critically analyse the role of Review or related Literature in educational research Briefly explain the sources of related literature.
4. What do you mean by a normal probability curve ? Briefly explain its properties. What is meant by skewness and kurtosis ?

(2 × 10 = 20 marks)

**Part B**

*Answer any ten questions.*

*Each question carries 5 marks.*

5. What are the different sources of research problem ?
6. Write down the historical development of educational research.
7. What do you mean by a 'variable' ? Describe different types of variables by giving specific examples to each.
8. How will you formulate a problem for research in education ? Illustrate.
9. What is ethnography ? List out the characteristics of ethnographic research.
10. What are the different forms of hypotheses ?
11. Distinguish between percentiles and percentile ranks ?

**Turn over**

12. Describe the steps involved in the construction of an Ogive. List out its uses.
13. Explain the need and significance of descriptive statistics in educational research.
14. Briefly explain the frame work of a research proposal.
15. Distinguish applied research from action research.
16. Calculate mean and standard deviation for the following frequency distribution class :

Class Interval	Frequency
10-19	20
20-29	30
30-39	38
40-49	56
50-59	48
60-69	26
70-79	20
80-89	12
Total	250

(10 × 5 = 50 marks)

### Part C

*Answer any five questions.  
Each question carries 2 marks.*

17. What are the different areas of Ogives ?
18. What are the sources of data for historical research ?
19. Differentiate between qualitative research and quantitative research.
20. What are the characteristics of a good research problem ?
21. What is meant by normative survey ?
22. How do you compute partial correlation ?
23. Explain the different forms of representing an ungrouped data.

(5 × 2 = 10 marks)

**F 7630**

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Reg. No.....

Name.....

**M.Ed. DEGREE EXAMINATION, DECEMBER 2017**

**First Semester**

Common Core Course

**EDU 904—INTRODUCTION TO EDUCATIONAL RESEARCH AND STATISTICS**

(Two Year Course—2015 Admission onwards)

[Regular/Supplementary]

Time : Three Hours

Maximum : 80 Marks

**Part A**

*Answer any two questions.*

*Each question carries 10 marks.*

1. What is meant by Hypotheses ? Explain its role in educational research. State the different forms of hypotheses with suitable examples.
2. What is experimental research ? Explain different experimental designs with suitable examples.
3. Explain the purpose, need and sources of review of literature at different stages of an educational research.
4. What do you mean by a normal probability curve ? Briefly explain its properties. What is meant by skewness and kurtosis.

(2 × 10 = 20 marks)

**Part B**

*Answer any ten questions.*

*Each question carries 5 marks.*

5. What are the characteristics of a good questionnaire ?
6. What are the different sources of research problem ?
7. What are the different measures of dispersion ?
8. Briefly explain the qualitative research in education.
9. Write short note on different types of scales of measurement.
10. Describe the criteria of evaluation of a research report.
11. Distinguish between focus group discussions and interview.
12. Why is mean considered to be the most accurate measures of central tendency ? How will you calculate the mean from a grouped and ungrouped data ?

**Turn over**

13. What do you mean by standard scores ? Explain the different types of standard scores.
14. Distinguish between percentiles and percentile ranks.
15. Find if there is any relationship between scores in Test I and Test II by computing Product Movement Coefficient of Correlation :

Students	A	B	C	D	E
Scores in Test I	19	16	18	17	10
Scores in Test II	16	12	14	13	12

16. What is meant by graphical representation of data ? Write its advantages and uses.

(10 × 5 = 50 marks)

### Part C

*Answer any five questions.*

*Each question carries 2 marks.*

17. List out atleast four qualities of a good researcher.
18. What are the salient features of descriptive research ?
19. What is pie diagram ? Explain its uses.
20. What are the characteristics of a good research problem ?
21. What is a regression equation ?
22. What is document analysis ?
23. Differentiate between primary and secondary data with reference to historical research.

(5 × 2 = 10 marks)

**E 2677**

(Pages : 2)

Reg. No.....

Name.....

**M.Ed. (CBCSS) DEGREE EXAMINATION, FEBRUARY 2016**

**First Semester**

**Course 4**

**904—ADVANCED METHODOLOGY OF SCIENCE EDUCATION**

(2011—2014 Admissions—Supplementary/Mercy Chance)

Time : Three Hours

Maximum : 32 Weightage

**Part A**

*Answer any two questions.*

*Each question carries a weight of 4.*

1. What are the major recommendations in NCF-2005 ? How these recommendations reflected in school curriculum ?
2. Compare and contrast the Taxonomy of educational objection of Simpson with that of Dave.
3. Suggest the ways of integration and correlation of different subjects with science. What are the advantages of this integration ?
4. What is mean by CCE ? How is it effectively carried out in schools of Kerala ?

(2 × 4 = 8)

**Part B**

*Answer any six questions.*

*Each question carries a weight of 2.*

5. Explain different components of classroom management.
6. How the new curriculum implemented in secondary schools of Kerala (Std VIII, year 2015-16) differ from the old ?
7. Narrate the development of science over centuries.
8. "Science helps to preserve culture." Do you agree with this statement ? Substantiate.
9. What are life skills ? How can we integrate life skills in science education ?
10. What is meant by specific performance objectives ? What are the different specific performance objectives of physical science/biological science ?
11. What are the major recommendations of KCF 2007 ?
12. Elaborate academic hazards of science instruction.

(6 × 2 = 12)

**Turn over**

**Part C**

*Answer any six questions.*

*Each question carries a weight of 1.*

13. Differentiate formative and summative evaluation.
14. What is meant by standardization of an achievement test ?
15. "Online tuition, online assessment, cyber coaching etc, are new pathways for science teachers." Evaluate.
16. Write any *four* extension activities suitable for science teachers.
17. What is meant by coping strategies ? Suggest some productive coping strategies for science teachers.
18. Write any relevant functions of science.
19. Mention the goals of science explained as "Science, Technology and Society (STS) goals".
20. Briefly explain the characteristic features of Nuffield science curriculum.

(6 × 1 = 6)

**Part D**

*Answer all questions.*

*Each question carries a weight of ½.*

21. Differentiate PSSC and BSCS.
22. What is the significance of "My Science Diary" ?
23. Mention the objectives of NSTSE.
24. Differentiate positivism and constructivism.
25. How field trip is beneficial for science teaching ?
26. Suggest any *two* ways to overcome lack of resources for science teaching.
27. What is meant by unified approach in curriculum development ?
28. Suggest a criteria to evaluate a symposium conducted by students.
29. Mention any *two* academic challenges faced by science teachers.
30. Enlist the problems of using IT for science teaching.
31. What is meant by validity of a test item ? How can we ensure validity ?
32. Define diagnostic test.

(12 × ½ = 6)



**F 4664**

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Reg. No.....

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**M.Ed. DEGREE EXAMINATION, DECEMBER 2016**

**First Semester**

**Common Core Course**

**EDU 904—INTRODUCTION TO EDUCATIONAL RESEARCH AND STATISTICS**

(Regular/Supplementary—2015 Admission onwards [Two Year Course])

Time : Three Hours

Maximum : 80 Marks

**Part A**

*Answer any two questions.  
Each question carries 10 marks.*

1. Explain the importance of Review of Related Literature in an Educational Research.
2. Distinguish between Qualitative and Quantitative Research in education with suitable examples.
3. Explain the different Measures of Central Tendency. How will you calculate each of them? Mention its merits and demerits.
4. What do you mean by Normal Probability Curve. Explain its meaning, properties and characteristics.

(2 × 10 = 20 marks)

**Part B**

*Answer any ten questions.  
Each question carries 5 marks.*

5. What are the qualities of a good researcher?
6. Differentiate between Fundamental Research and Applied Research.
7. Mention the steps involved in the preparation of a research proposal.
8. Distinguish between Directional hypothesis and Non-directional hypothesis with suitable example.
9. Define variables. Mention the different types of variables in Educational Research.
10. Explain different types of data in Educational Research.
11. Mention any five advantages of graphical representation.
12. Which is the most accurate measure of dispersion. Why?

Turn over

13. What is correlation ? Calculate the coefficient of correlation for the following data using Rank difference method :

Achievement in English ... 23 34 28 40 31

Achievement in Physics ... 30 32 35 46 39

14. What are percentiles and percentile ranks ? Explain.  
15. How line graph is different from histogram ?  
16. Explain the need and significance of descriptive statistics in educational research.

(10 × 5 = 50 marks)

### Part C

*Answer any five questions.  
Each question carries 2 marks.*

17. What do you mean by normative survey method ?  
18. Mention the steps involved in an Action Research.  
19. What is Ethnographic ?  
20. Briefly explain the characteristics of a Good Hypothesis.  
21. Define Null Hypothesis.  
22. Write any *two* uses of Ogives.  
23. Name the measures of relative position.s

(5 × 2 = 10 marks)

**F 5452**

(Pages : 2)

Reg. No.....

Name.....

**M.Ed. DEGREE EXAMINATION, DECEMBER 2015**

**First Semester**

**Common Core Course**

**EDU 904—INTRODUCTION TO EDUCATIONAL RESEARCH AND STATISTICS**

(Regular—2015 Admission (Two years))

Time : Three Hours

Maximum : 80 Marks

**Part A**

*Answer any two questions.  
Each question carries 10 marks.*

1. Explain Qualitative and Quantitative Research in Education with suitable example.
2. Prepare a Research Proposal in Education.
3. How will you organise and tabulate educational data ? Explain the importance of graphical representations in representing them.
4. What is Correlation ? Mention the formula for calculating it. Explain the different types of correlation and the uses of correlation in educational research.

(2 × 10 = 20 marks)

**Part B**

*Answer any ten questions.  
Each question carries 5 marks.*

5. Explain the steps involved in an Action Research.
6. What is the difference between Fundamental Research and Applied Research ?
7. What are variables ? Explain the different types of variables in educational research.
8. Distinguish between alternative hypothesis and null hypothesis with suitable examples.
9. Explain the steps involved in historical Research.
10. Explain the need and purpose of review of related literature at different stages of an educational research.
11. Illustrate the different types of measurement in educational research.
12. What are Ogives ? Explain different types of ogives and their uses.

Turn over

13. Calculate the arithmetic mean for the following data :

Class	Frequency
0-10	7
10-20	12
20-30	19
30-40	16
40-50	6

$N = 60$

14. Explain Skewness and Kurtosis.  
 15. Explain the importance of standard deviation. What are its merits and demerits ?  
 16. Distinguish between percentiles and percentile ranks.

(10 × 5 = 50 marks)

### Part C

*Answer any five questions.  
 Each question carries 2 marks.*

17. Mention any four purpose of Educational Research.  
 18. What is Meta Analysis ?  
 19. Name two types of Quantitative Reserarch.  
 20. Write any two common errors committed while selecting a Research Problem.  
 21. Mention any four properties of a normal probability curve.  
 22. Name the different measures of central tendency.  
 23. How frequency polygon is different from frequency curve ?

(5 × 2 = 10 marks)