



**UNIVERSITY OF JOHANNESBURG**  
**FACULTY OF EDUCATION**  
**NOV EXAMINATION 2015**  
**TAKE HOME EXAM**

<b>PROGRAMME:</b>	<b>B. Ed Foundation Phase</b>
<b><u>MODULE:</u></b>	<b>EDUCATION 3B</b>
<b>CODE</b>	<b>EDU3B20</b>
<b><u>DURATION</u></b>	<b>3 HOURS</b>
<b><u>WEIGHT</u></b>	<b>50:50</b>
<b><u>TOTAL MARKS</u></b>	<b>100</b>
<b>EXAMINER</b>	<b>Ms. Daphney Mawila</b>
<b>MODERATOR:</b>	<b>Dr. M.J. Malindi (UJ)</b> <b>Dr. Thabo Jan Makahalemele (UFS)</b>

**(This paper consists of 3 pages)**

**INSTRUCTIONS**

1. This is a Take Home Examination and you have to submit this paper on 11/2/2015 at the venue on your examination time table at 8h30. Please sign on the list provided that you have submitted your examination. Note that no late submissions will be accepted.
2. The examination paper should consist of the required information as indicated on the examination paper. Remember a front page, table of contents and bibliography.
3. No collaboration with anyone else in writing answers to this examination paper is allowed. You may not view another person's written notes about the examination or their preliminary or final versions of an answer to the examination. You may not permit another student to view your written notes about the examination or your preliminary or final versions of an answer to the examination.
4. The document should contain a declaration that it is your own work.

**TAKE HOME EXAMINATION CERTIFICATION OF OWN WORK**

I,....., hereby certify that the attached Take Home Examination submission is my own work, and has in no way been copied or in any manner reproduced from another source, except for quoted and properly acknowledged material therein.

Signature.....

Date.....

**NOTE:** read the following instructions carefully before answering the questions and answer all the questions in Sections A and B.

**Section A: Readings and study summary Notes/Mind Maps**

In this section you have to develop a mind map focusing on signs, identification and support for learners **difficulties in Mathematics in the foundation Phase**. You can choose if you would like to develop the mind map for Grade R, 1, 2 or 3. In order to develop this mind map you have to read your prescribed readings and the slides on Blackboard focusing on the signs, identification and support for learners with **difficulties in Mathematics**.

**(30 Marks)**

**Section B: Mathematical games, dance, songs and rhymes**

*For many years, education in South Africa has been based mainly on western values. This has contributed to the fact that many learners from disadvantaged backgrounds cannot see the connection between the education they receive at school and their everyday experiences. This may well have contributed to the high failure rate amongst mathematics learners as well as the perceived difficulty of mathematics. It is believed that indigenous knowledge, in general, can be used to promote the teaching of mathematics in multicultural classes (Nkopodi & Mosimege, 2009).*

In the light of this quote, you are expected to conduct research on any one of the rhymes/ songs/ dances/ games aimed at teaching mathematics/numeracy to children.

Your resources may include books, journals, articles, internet and people. You must present your findings visually (e.g. poster, making a book audio and video recording or power point). The visual presentation of your findings should include; the explanation of the rhyme/ song/ dance/ game, how is it played if it is a game, what children learnt from it as well as how it can be used to assist learners with mathematical numeracy and literacy difficulties.

**(70 Marks)**

**TOTAL: 100**

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