UNIRAZAK
UNIVERSITI TUN ABDUL RAZAK

FINAL EXAMINATION
MARCH 2024

COURSE TITLE	MATHEMATICS AND NUMERACY IN EARLY CHILDHOOD EDUCATION
COURSE CODE	ECLE3233
DATE/DAY	24 JUNE 2024 / MONDAY
TIME/DURATION	02:00 PM - 04:00 PM / 02 Hour(s) 00 Minute(s)

INSTRUCTIONS TO CANDIDATES :

1. Please read the instruction under each section carefully.
2. Candidates are reminded not to bring into examination hall/room any form of written materials or electronic gadget except for stationery that is permitted by the Invigilator.
3. Students who are caught breaching the Examination Rules and Regulation will be charged with an academic dishonesty and if found guilty of the offence, the maximum penalty is expulsion from the University.

(This Question Paper consists of 3 Printed Pages including front page)

DO NOT OPEN THE QUESTION PAPER UNTIL YOU ARE TOLD TO DO SO

This question paper consists of THREE (3) questions. Answer ALL questions in the answer booklet provided.   **[50 MARKS]**

Terdapat THREE (3) soalan di dalam kertas peperiksaan ini. Sila jawab SEMUA soalan dalam buku jawapan yang disediakan.   ***[50 MARKAH]***

QUESTION 1   (20 Marks)

Preschool teachers have many opportunities to support and build on young children's developing understandings of measurement.

   a) Define measurement in mathematics for young children.   (4 marks)

   b) Elaborate **FOUR (4)** examples of activities related to measurement in mathematics for young children.   (8 marks)

   c) Explain **FOUR (4)** ways to guide children in measuring time activities.   (8 marks)

SOALAN 1   *(20 Markah)*

Guru prasekolah mempunyai banyak peluang untuk menyokong dan membina pemahaman kanak-kanak kecil tentang pengukuran.

   a) *Terangkan mengenai ukuran dalam matematik untuk kanak-kanak kecil.*   *(4 markah)*

   b) *Huraikan EMPAT (4) contoh aktiviti yang berkaitan dengan pengukuran dalam matematik untuk kanak-kanak kecil.*   *(8 markah)*

   c) *Terangkan EMPAT (4) cara untuk membimbing kanak-kanak dalam aktiviti mengukur masa.*   *(8 markah)*

QUESTION 2   (20 Marks)

Design learning centers to support the natural exploration of mathematical concepts.

   a) Provide **FIVE (5)** ways to design an effective mathematics environment.   (10 marks)

   b) List **FIVE (5)** materials and the purpose of each material that you could include in a mathematics learning centre.   (10 marks)

SOALAN 2 *(20 Markah)*

Reka pusat pembelajaran yang membantu menyokong penerokaan semula jadi konsep matematik.

    a) *Sediakan LIMA (5) cara untuk mereka bentuk persekitaran matematik yang berkesan.*

                  (10 markah)

    b) *Senaraikan LIMA (5) bahan dan tujuan setiap bahan yang boleh anda masukkan ke dalam pusat pembelajaran matematik.*   *(10 markah)*

QUESTION 3 *(10 Marks)*

Explain with examples **FIVE (5)** strategies to evaluate your child's math skills.   (10 marks)

SOALAN 3 *(10 Markah)*

Terangkan dengan contoh LIMA (5) strategi untuk menilai kemahiran matematik anak anda.

                  (10 markah)

*** END OF QUESTION PAPER ***