

NATIONAL OPEN UNIVERSITY OF NIGERIA
Plot 91 Cadastral Zone, Nnamdi Azikiwe Express Way, Jabi, Abuja
FACULTY OF EDUCATION
2023_2 EXAMINATIONS—

COURSE CODE: SED 832
COURSE TITLE: CURRICULUM DEVELOPMENT IN SCIENCE EDUCATION
CREDIT UNITS: 3
TIME ALLOWED: 3HOURS
INSTRUCTION: ANSWER QUESTION 1 AND ANY OTHER 2

1a (i) The indispensability of curriculum evaluation in science education cannot be over-emphasized; State **5** reasons to justify the truism of this assertion. *(5marks)*

(ii) Differentiate between formative and summative evaluation *(5marks)*

1b State **5** problems of curriculum evaluation in science education and outline **5** curriculum development processes *(10marks)*

1c Discuss **2** stages through which the process of logical thinking develops as the child grow from **birth to 17** years as proposed by Jean Piaget. What is the implication of this theory on teaching and learning on children of these ages? *(10)*

2a (i) Define the concept curriculum as perceived by the student, teacher and a school administrator; outline Ehindero's model of curriculum design of 1986. *(11marks)*

(ii) According to experts, both Ehindero's and Wheeler's Models of curriculum design left out one very important stage in their models, mention the stage that they left out *(1mark)*

2b What is tertiary education? State **6** goals of tertiary education as enshrine in the National Policy on Education of 2004; list 4 ways that these goals can be achieved? *(8marks)*

3a) Define educational objectives and state **8** functions of educational objectives *(11marks)*

3b) Discuss **2** problems of curriculum integration in science education *(5marks)*

3c) Outline **8** Organizations that Sponsored or are still sponsoring science curriculum development in Nigeria *(4marks)*

4) Discuss the psychological, philosophical, Pedagogical, and physical Consideration to Justify why curriculum integration in science education is indispensable *(20marks)*