The purposes of this research were to develop the individual's
item response pattern consistency index called AP index and to examine
the vallidity of this developed index. The research findings were as
follows.

1.   The deve;oped index called AP index is to measure the
degree to which an individual's response pattern consistent with a
perfect Guttman pattern. By using the item scores (U_{ij}) the total score
(n_i) and the rank numbers of the items in AP formula, The AP value can
be obtained from $1 - [\sum_{j=1}(1-U_{ij}) (n_i-j+1) + \sum_{j=n+1}U_{ij}(j-n_i) / \sum_{j=1}$
$(n_i-j+1) + \sum_{j=n_i+1}(j-n_i)]$. The index has values that range from 0 to
1.0. The low limit, 0 , is attained when examinee's response pattern is
a reversed Guttman pattern, and the upper limit, 1, when examinee's
response pattern is a perfect Guttman pattern. The AP value could be
used as an information to assessed whether an examinee's total score on
multiple choice test is representing his ability or not and an additional
information for selecting examinees who have the same total score.

2.   The validity of developed index examinees from 267 M.S. One
students of the Bangkok Archdiocese, who had taken the mathematic test
and answered the questionnaire which asked to indicate a reason for
each questions they had missed found that :

2.1 AP index had the validity for indicating individual's
item response pattern consistent with a perfect Guttman pattern by using
the correlation between AP values and the proportion of number of correct
responses with confident answer to total number of correct responses
and the proportion of number of wrong responses with insufficient
knowledge to total number of wrong responses as a criteris for this
validity.

2.2 AP index had the validity for discrimnating high
consistency of item response patterns and low consistency of item
response patterns ny using total score, confident answer and student
ability in logistic Model as a criteria for discriminating response
patterns.