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Blended Learning and Face-to-Face Learning: A Comparative Study

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Abstract : *Blended learning is a mode of learning that uses the teaching-learning strategies of both face-to-face mode and distance mode of education in such a way that it can harness best of both modes. This study explored the relationship between the general mental ability of the students defined by their IQ scores and their achievement scores in different modes of learning. It also compared the achievements of B.Ed students studying in blended mode of learning with those studying in face-to-face mode of learning. This experimental study was conducted at the Department of Education, Patna Women's College, Patna University. The study applied a*

posttest only, matched group, intervention design. IQ scores of sampled students and three other attributes were considered to match the groups. The sampled students of both groups were exposed to different teaching approaches of blended mode and face-to-face mode for a 15-days intervention programme and their achievements were compared. In the study, it was found that for all the students, there was a significant but low level correlation between their achievement and IQ, but in blended mode the correlation coefficients were high. In this mode, the learners got more chance to reflect on their own learning and were allowed to study at their own pace. This positively influenced their achievement. Similarly, it was also found that there were significant differences between the achievement of blended group and the achievement of face-to-face group of students. The blended group out-performed the face-to-face group of students by a magnitude of approximately one standard deviation.

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Introduction :

There is no aspect of life that remains untouched by the use and application of computers. In the field of education, they are used for managing various aspects of teaching-learning process. Face-to-face learning or traditional classroom instruction has been a mode of teaching-learning since the beginning of the formal schooling system. Today, online learning is the newest development that began in the mid-1990s with the