INDIVIDUAL PERSONALITY FACTORS COMPARED TO HIGHER LOADINGS ON CREATIVITY ANALYSIS OF RESULTS FOR CLASS IX.

The factor analysis identified thirteen significant personality factors and the loadings of these factors for all the creativity tests are tabulated so also the personality factors are compared with the loadings of creativity factors. The personality factor 'A' i.e. 'outgoing' has a score of .894 and a simultaneous high loading of creativity test for fluency as .876, flexibility: .701, originality: .727 and elaboration: .684. The result is related with creativity test (Figure and Drawing Test). The factor "outgoing", identified as 'A' in Chapter III has a high score only at one place and is simultaneously identified with high loading on all the four qualities under creativity test mentioned above. The personality factor 'B' which identified the subject as "more intelligent" has high score at two places that is .329 and .535. Both these scores are related to high loading on fluency: .811, flexibility: .801 and originality: .816 for Plot Title Test. It is simultaneously also related to fluency: .751, flexibility: .952 and originality: .681 under Thing Listing Test. It is significant to note that high loading simultaneously on fluency, flexibility and originality under two different tests are correlated with high score on personality factor "more intelligent".
Personality factor "emotionally stable C" has high score at four places giving respective score of .218, .571, .354 and .374. This particular personality factor is respectively related to higher loading factors for fluency .670, flexibility .668, originality .684 and elaboration .661 (under Parallel Lines non-verbal Test, and fluency loading .792, and elaboration loading .870 on Circle Elaboration non-verbal test). The third high score for this personality factor is correlated to high loading .921 for fluency and .780 for flexibility, under similarities test. The fourth higher score is related to high loading .876 for fluency, .701 for flexibility, .727 for originality .684 for elaboration, under Figure Drawing Non-verbal Test. Thus this particular personality factor is correlated to high loading for all the four qualities simultaneously under two different tests, while it has high loading of fluency and flexibility in one test and fluency and elaboration in another test, against high score for this factor. It may be observed here that the high score for emotionally stable students have high loading on creativity, for fluency at four places, flexibility at three places, elaboration at three places and originality at two places, out of four different tests.

The personality factor "conscientious G" has high score of .383 and .499 at two places. These scores are related to high loading of .404 for originality under similarities test and a combination of fluency .751, flexibility .952 and origi-
Personality factor "happy-go lucky F" has high score of .852 at only one place and there is no corresponding high loading on creativity test under any of the twelve tests.

The personality factor "assertive aggressive E" has high personality score of .499 and .647, and respectively, these high scores are related to originality .404 under similarities test and a combination of .751 fluency, .952, flexibility, and .681 originality, under Thing Listing Test. It may be noted here that the personality factors "assertive, aggressive" and "conscientious" with high score have the same correlations with high loading for creativity tests.

The personality factor "venturesome, socially bold H" has high score at three places as .365, .328 and .738. These are related to high loading of .829 under Picture construction Torrance Non-verbal test and fluency .921 and flexibility .780 under similarities test, while the second high score of this personality factor has high loading on fluency.881, flexibility .801 and originality .816 under Plot Title Test. The third high score for this personality factor is correlated with high loading of fluency .876, flexibility .701, originality .727 and elaboration .684, under Figure Drawing Non-verbal Test. It may be noted that for this personality factor originality is repeated in three different tests, fluency in two flexibility also in two and elaboration in one test only.
Personality factor "tender minded I" has high scores at two places of .600 and .554. The respective high loadings for these scores are fluency .751, flexibility .952 and originality .681 under category-wise Thing Listing Test (Verbal) and originality of .916 under Association Test. "Originality" is repeated twice in two different tests.

Personality factor "suspicious, hard to fool L" has high score of .463, .459 and .520 at three places. The respective high loading for these personality factors are fluency .619, under Torrance Verbal Test, Fluency .918, flexibility .869 and originality .881 under Utility Test. Further, for personality factor for high score at .495, loadings are .921 for fluency .780 for flexibility, under similarities test and .829 for originality, under Picture Construction Test. For the personality factor with .520 score the high loadings are absent in the Creativity Test. For this personality factor fluency, flexibility and originality are repeated at two places each.

Personality factor "imaginative M" has only one high score of .867 and the high loading on creativity test viz .404, is for originality, under similarities test, and this is the only factor of correlation.

Personality factor "Shrewd, calculating L" has high personality score .750 at one place only. It has a correlation with high loading of fluency .921 flexibility .780, under simi-
larities test, and originality .829, under Picture Construction Test.

The personality factor "apprehensive, worrying 0" has high personality score of .932 at only one place and it has a high loading of .812 for flexibility, under utility test.

Personality factor "Q1 liberal, experimenting" has three high scores of .678, .446, and .337. The corresponding high loadings for these personality factors are respectively .769 for elaboration under Torrance non-verbal test and .811 for fluency, .801 for flexibility and .816 for originality under Plot Title Test. For the third high score of .337 for this personality factor there is no high loading under creativity test.

Personality factor "self sufficient Q2" has high scores of .534, .328 and .344 at three places. The corresponding high loading on creativity tests appear at two places for the first factor. These loading are .619 for fluency, under Torrance Verbal Test, and for fluency .918, flexibility .869 and originality .881, under Utility Test. For the second high factor in this group the high loadings under creativity tests appear at two places. These loadings are .921 for fluency, and .780 for flexibility, under similarities Test and .792 for fluency and .870 for elaboration, under Circle Elaboration Non-verbal test. The third high factor of .344 is correlated with high loadings of .876 for fluency, .701 for flexibility .727 for
originality and .684 for elaboration under Figure and Drawing Non-verbal Test.

Personality factor "controlled Q3" has high scores at four places. These scores are .240, .378, .515 and .535. The personality score of .240 is correlated with high loadings on creativity tests in two tests, that is .843 for fluency, .813 for flexibility and .673 for originality, under controlled association test and .670 for fluency, .668 for flexibility, .684 for originality, .661 for elaboration, under Parallel Lines Elaboration Non-verbal Test. The personality factor .378 is correlated with originality, under similarity test at .404; the score .515 is correlated with high loadings of .751 for fluency .952 for flexibility, .681 for originality, under category-wise thing listing test. The score .535 is correlated with .812 for flexibility under utility test.

Personality factor "Q4 tense" has high score of .347 and .350 at two places. The creativity loadings for these personality factors are respectively .829 for originality, under Picture Construction test, .921 for fluency and .780 for flexibility, under similarities test for the personality factor with score at .350 there are no high loadings in the creativity tests.

INDIVIDUAL PERSONALITY FACTORS COMPARED TO HIGHER LOADINGS ON CREATIVITY - ANALYSIS FOR CLASS X.

This analysis has identified fifteen factors for per-
sonality and creativity tests. Individual high score of personality factors may now be compared with high loading on creativity tests.

Personality factor "A outgoing" has high score of .839 at one place. There is no corresponding loading on creativity in any test.

Personality factor "B more intelligent" has high score of .903. Its corresponding high loading on creativity is .507 for fluency under Figure Drawing Non-verbal Test.

Personality factor "C emotionally stable" has high score of .269 and .763 at two places. The corresponding high loadings on the creativity test for .269 is .782 (flexibility), .798 for originality and .678 for elaboration under Figure Drawing Non-verbal Test.

Personality factor "E assertive, aggressive" has high score of .322, .398 and .529 at three places. The corresponding high loading on creativity tests for personality factor .322 are .927 for fluency and .938 for flexibility under Picture Construction Non-verbal Test and for the personality factor .398, the high loading on creativity are .934 for fluency and .826 flexibility under controlled Association Test. For the personality factor .529 the high loading on creativity tests are .625 originality under Figure Drawing Non-verbal test and .667 originality under similarity test.
Personality factor "happy-go-lucky F" has high score of .838, .514 and .360 at three places. The corresponding high loadings on creativity tests for personality factor .838 are for fluency .927 and for flexibility .938 under Picture Construction Test. For personality factor .514 the corresponding high loading are .909 for fluency, .689 for flexibility, .846 for elaboration under Parallel Lines Elaboration Non-verbal test.

Personality factor "conscientious G" has high score of .793 at one place. The corresponding high loading on creativity are .625 for originality under Figure Drawing Non-verbal test, and .667 for originality under similarity test.

Personality factor "venturesome, socially bold H" has high score of .822 at one place. The corresponding high loading are .584 for fluency, .700 for flexibility and .698 for originality under Plot Title Test. It is also correlated with high loading of .772 for originality and .835 for originality under Torrance Verbal Test.

Personality factor "tender minded I" has high score of .848 at one place.

Personality factor "suspicious, hard to fool L" has high score of .457 and .662 at two places. The corresponding high loading on creativity test is only for the factor .668 and the creativity high loading score for this factor is .675 for originality under Word Association Test.
Personality factor imaginative has high score of .789 at one place.

Personality factor "shrewd, calculating N" has high score of .413 and .657 at two places. The corresponding high loading on creativity test for .413 are .934 for fluency and .826 for flexibility under Controlled Association Test.

Personality factor "apprehensive, worrying O" has high scores of .330, .324 and .422. The corresponding high loadings on creativity for personality factor .330 are .885 for fluency, .884 for flexibility and .669 for originality under category-wise Thing Listing Test. For the personality factor .324 the high loading on creativity tests is .675 for originality under Word Association Test and for the personality factor .422 the high loadings are .782 for flexibility, .798 for originality and .676 for elaboration under Figure Drawing Non-verbal Test.

Personality factor "liberal, experimenting Q1" has high score of .883 at one place only.

Personality factor "self-sufficient Q2" has high scores of .615, .239 and .521 at three places. The corresponding high loadings on creativity tests are respectively for .615, a high loading of .682 for originality under Picture Construction Test and .621 for elaboration and .807 for originality under Torrance non-verbal test. The same personality factor with score of .615 has also high loadings of .813 for fluency and .891 for flexibility under Utility test. The personality factor .239 has high loading
of .839 for fluency, .882 for flexibility and .882 for originality under Circle elaboration Test. The personality factor .521 has high loading of .507 for fluency under Figure Drawing Non-verbal test.

Personality factor "disciplined Q3" has high scores of .387, .349, .458 and .273 at four places. The corresponding high loadings for .387 is absent in creativity tests, for .349 the high loadings are .927 fluency, .938 flexibility under Picture Construction Test. For the factor .458 the corresponding high loadings are absent in the creativity tests and for the factor .273 the high loading is .507 fluency under Figure Drawing Non-verbal tests.

The personality factor "tense Q4" has high scores of .478, .300, .293 and .293, and .293 at five places. The corresponding high loadings for .478 are absent. For .303 high loadings are .927 fluency and .938 flexibility under Picture Construction Test. For the factor .293 appearing as 8th factor has high loadings of .839 fluency, .862 flexibility and .882 originality under Circle Elaboration Non-verbal test, while personality factor .293 appearing as 15th factor has high loading of .507 fluency under Figure Drawing Non-verbal test.

INDIVIDUAL PERSONALITY FACTORS COMPARED TO HIGH LOADINGS ON CREATIVITY - SPECIFIC COMMENTS ON ANALYSIS FOR P.U.C. (10 + 1 CLASS)

The analysis of the results for this class identified
fourteen factors. The correlation of these factors from the personality factors and the creativity scores are individuality discussed in the following paragraphs.

Personality factor "out-going A" has high scores of .246, .276, .339 and .293 at four places. The corresponding high loadings for the personality factor .246 are .766 flexibility under Picture Construction test and .819 elaboration and .859 originality under Thinking Creatively with Figures (Torrance Nonverbal test). For the factor .276 the high loadings are .868 fluency and .867 flexibility under utility test. For the personality factor .339 the high loadings are .856 fluency and .818 flexibility under Controlled Association Test. For the personality factor .293 the high loading is .554 originality under Torrance Thinking Creatively with Words tests.

Personality factor "more intelligent B" has high score of .689 at one place only and there is no high loading on any of the creativity tests.

Personality factor "emotionally stable C" has high score of .695 at one place and there is no corresponding high loading on creativity in any of the tests.

Personality factor "assertive, aggressive E" has high scores of .276 and .746 at two places. The corresponding high loading for the factor .276 are .868 fluency and .867 flexibility under Utility test and for the factor .746 there is no corres-
Personality factor happy-go lucky F has high score of .746 and .228 at two places. The corresponding high loading for the factor .746 in the creativity tests are .766 flexibility under Picture Construction test and .819 elaboration and .859 originally under Thinking Creatively with Figures - Torrance Non-verbal test. The factor .228 has corresponding high loading of .881 flexibility under Picture Construction Test.

Personality factor conscientious G has high score of .336 and .708 at two places. The corresponding high loading in creativity tests for the personality factor .336 are .874 fluency, 921 flexibility .751 originality under category-wise Thing Listing Test. And for the personality factor .708 the corresponding high loading is .761 originality under Controlled Association Test.

Personality factor "venturesome, socially bold H" has high scores of .257, .457 and .511 at three places. The corresponding high loading for the personality factor .257 are .948 fluency, .951 flexibility and .914 originality under Plot Title Test (Verbal test). For the personality factor .457 there is no high loading in the creativity tests. For the personality factor .511 also there is no high loading in the creativity tests.

Personality factor "Tender Minded I" has high scores of
.371 and .504 at two places. The corresponding high loading for the factor .371 are .829 fluency, .835 flexibility and .661 originality under similarities test. For the factor .504 the corresponding high loadings are .856 fluency and .818 flexibility under Controlled Association Test.

Personality factor "suspicious hard to fool L" have high scores of .557, .249 and .424 at three places. The corresponding high loadings in creativity tests for the factor .557 are .868 fluency and .867 flexibility under Utility test. For the factor .249 the corresponding high loadings are .829 fluency, .835 flexibility and .661 originality under similarities test. For the factor .424 the corresponding high loading is .554 originality under Thinking Creatively with words Torrance Verbal Test.

Personality factor imaginative M has high scores of .341 and .723 at two places. The corresponding high loadings for the factor .341 are .766 flexibility under Picture Construction Non-verbal test and .819 elaboration and .859 originality under Thinking Creatively with figures - Torrance Non-verbal test. For the factor .723 there is no corresponding high loadings in any of the creativity tests.

Personality factor "shrewd, calculating N" has high scores of .624 and .314 at two places. The corresponding high loading for the factor .624 is .554 originality under Thinking Creatively with words-Torrance Verbal test. For the factor .314 the .761 originality is under Controlled Association test.
Personality factor "apprehensive, worrying 0" has high scores of .310, .532, .437 and .271 at four places. The corresponding high loadings for the factor .310 are .766 flexibility under Picture Construction test and .819 elaboration and .859 originality under Thinking Creatively with Figures - Torrance test. For the factor .532 there is no corresponding high loadings in Creativity tests. For the factor .437 the corresponding high loading is .819 originality under Parallel Lines Elaboration test. For the factor .271 the corresponding high loading is .761 originality under Controlled Association test.

Personality factor "liberal, experimenting Q1" has high scores of .279 and .701 at two places. The corresponding high loadings for the factor .279 on the Creativity tests are .766 flexibility under Picture Construction test and .819 elaboration and .859 originality under Thinking Creatively with figures. For the personality factor .701 there is no corresponding high loading in the creativity tests.

Personality factor "self sufficient Q2" has high scores of .685 and .265 at two places. The corresponding high loading for the factor .685 is .554 originality under Thinking Creatively with words for the factor .265 there is no corresponding high loading in the creativity tests.

Personality factor "disciplined Q3" has high scores of .272, .423 and .494 at three places. The corresponding high
loadings in creativity test for the factor .272 are .752 fluency, .593 flexibility and .791 elaboration under Circle Elaboration Non-verbal test. The same factor has .811 fluency, .726 flexibility and .636 elaboration under Parallel Lines Elaboration test. The same factor has high loadings of .748 originality and .792 elaboration under Figure and Drawing test. The factor .423 has corresponding high loadings of .766 flexibility under Picture Construction Test and .819 elaboration and .859 originality under Thinking Creatively with Figures. The factor .494 has no high loading in creativity tests. Personality factor "tense Q4" has high scores of .468, .229, .348, .337 and .430 at five places. The corresponding high loadings for the factor .468 are .766 flexibility under Picture Construction test, .819 elaboration and .859 originality under Thinking Creatively with Figures. For the factor .229 the corresponding high loadings are .868 fluency and .867 flexibility under Utility test. For the factor .348 the corresponding high loading is .554 originality under Thinking Creatively with words test. For the factor .337 there is no corresponding high loading in the creativity tests. For the factor .430 the corresponding high loading is .761 originality under Controlled Association test. The summary of the analysis is presented comprehensively in the following tables:

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