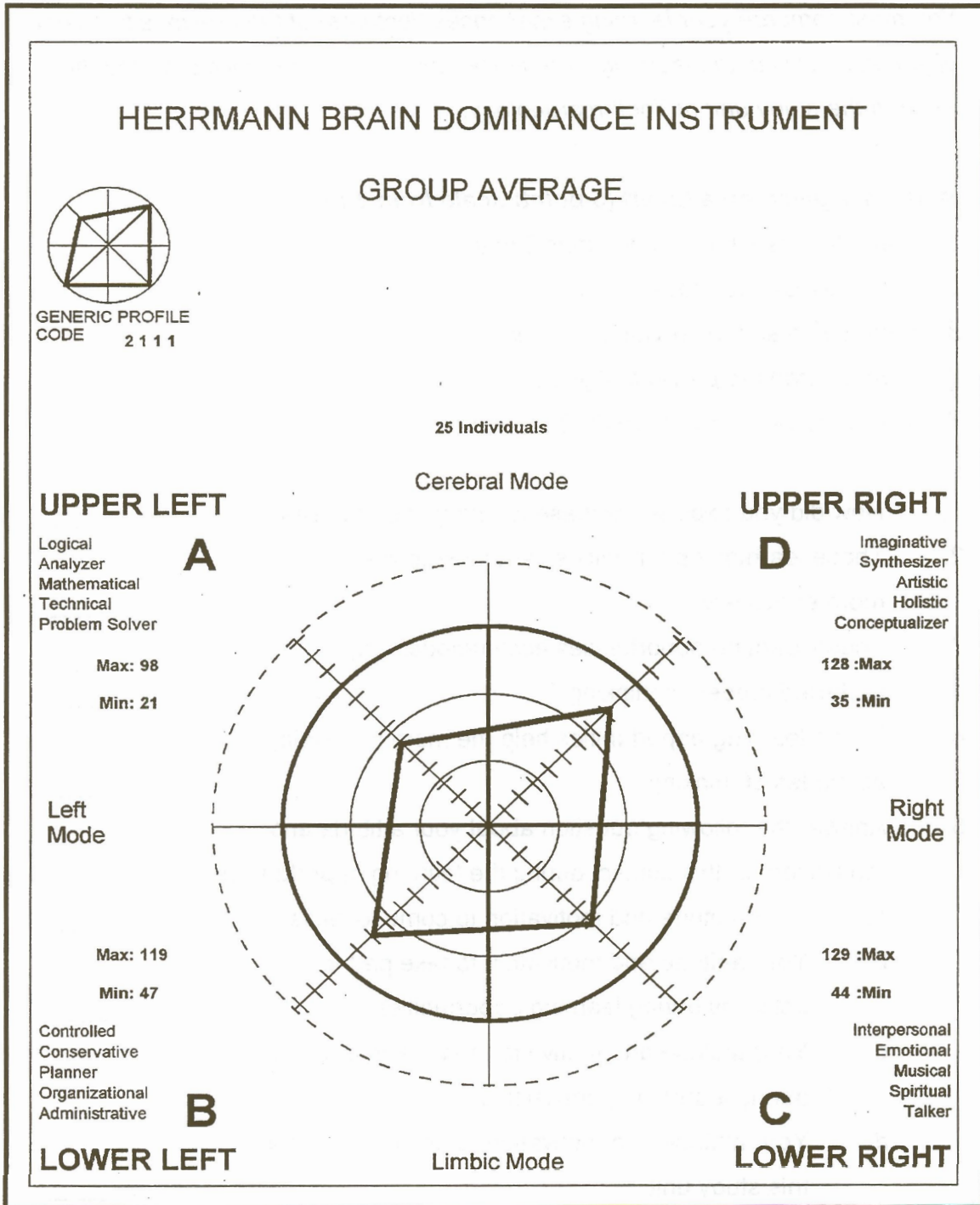




APPENDIX A: HBDI Profile



APPENDIX B: Questionnaire learners completed

You must compare your learning experiences (lectures) of the previous two years of you studies with the learning experiences that you have received during this week in the study unit of Toothmorphology.

Marks are given on a Likert (5 point) scale from 1 to 5:

- 1** = much worse than the previous 2 years
- 2** = worse than the previous 2 years
- 3** = the same as the previous 2 years
- 4** = better than the previous 2 years
- 5** = much better than the previous 2 years

- | | | |
|----|----------------------------------------------------------------------------------------------------------------------|-------|
| 1. | How did you experience these learning opportunities? | _____ |
| 2. | These learning opportunities cause me to learn more effectively | _____ |
| 3. | These learning opportunities accommodate my preferred modes of thinking | _____ |
| 4. | These learning opportunities help me more to develop all modes of thinking | _____ |
| 5. | Answer the following question about your attitude and motivation for this subject during the learning opportunities: | |
| a. | Your attitude and motivation to come to class | _____ |
| b. | Your attitude and motivation to take part in activities during learning opportunities | _____ |
| c. | Your attitude and motivation to work in a group during learning opportunities | _____ |
| d. | Your attitude and motivation to do self-study for this study unit | _____ |
| e. | Your attitude and motivation to make use of the study-guide for this subject | _____ |



6. How well do I keep to the class rules that were spelled out before the start of the lectures:
- a. What is your degree of spontaneity during the learning Opportunities? _____
 - b. Are you on time for the learning opportunities? _____
 - c. Your participation in group work _____
 - d. Are you creative and original in doing tasks and problems? _____
7. How does the study-guide compare to the study-guides you received in the previous years? _____
8. How was your experience of the learning aids that were used (textbooks, models, pictures, scenarios, problems, icebreakers, metaphors) _____
9. How did you experience the different methods of assessment (self-evaluation, peer-evaluation, written tests, group-evaluation) that were used during the learning opportunities? _____
10. What did you experience as very positive during the learning opportunities of this week? _____

11. What can be changed or done differently to make your learning experience better? _____

12. Are there anything else that you would like to comment on? _____

APPENDIX C: Learner assignment

Learner Assignment for Toothmorphology

You must design and construct a whole brain model that will show or illustrate the knowledge that you acquired in this study unit of Toothmorphology for the module of Odontology. The model must be something that you can use to remember the embedded knowledge of this subject. You can work individually on this project.

There is no restriction on what you can do and it is entirely up to you what type of model it is, but you must incorporate the four aspects of the whole brain model, including the following:

- ◆ **A-quadrant** - prefers the facts, detail, reading textbooks, logic, problem solving, opportunity to ask challenging questions and quantitative data.
- ◆ **B-quadrant** - prefers organization, summaries, a time-schedule, opportunity to practise, clear instructions, examples, an organized consistent approach and a beginning, middle and end.
- ◆ **C-quadrant** - prefers group discussion, drama, music, stories, physical activities and sharing personal experiences.
- ◆ **D-quadrant** - prefers brainstorming, metaphors, pictures, drawings, designs, active imagination, innovations and thinking about the future.

Assignments should be handed in before or during the last learning session for this study unit. Enjoy the challenge!



APPENDIX D: A problem during learning

Module: Odontology
Study-unit: Toothmorphology

Problem 2 03/04/2000

You are visiting your grandmother in Cape Town during the summer holidays. You are having tea on the veranda, which is overlooking the False Bay area. She recently received a new set of full removable dentures (maxilla and mandible). She wants to know from you how many teeth are there in a healthy permanent dentition, and what the different teeth with different sizes and shapes.

- ◆ You are allowed to ask the facilitator of learning questions regarding this problem. You can also make use of the different clinical journals and textbooks to solve this problem.
- ◆ You have to make a written report as a group, and be ready to deliver your answers to the questions your grandmother is asking.
- ◆ This problem should be solved as a group. You have 25 minutes before the discussion starts.

Learning facilitator: Dr Marius Oosthuizen