CHECKLIST OF COMPONENTS IDEAS FOR CLASSIFICATION BY COLON CLASSIFICATION

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Presents a checklist of component ideas for facet analysis of compound subjects. This analysis is an input towards classifying a document by Colon Classification. The process is illustrated with three examples. It is suggested that the use of the checklist would increase the consistency in the construction of CC Numbers.

1 Introduction

Colon Classification is steadily moving towards the ideal of freely faceted analytico-synthetic classification (2). During the last five decades of its development, it has adapted itself to the new developments in universe of subjects. However, such developments would increase the complexities in the analysis and synthesis of subjects. Consistent representation of structure of subjects in these circumstances calls for a checklist of component ideas involved in the facet and sub-facet analysis. Such a checklist of component ideas is presented in this paper to help classifiers to consistently recognise the components incident in a subject. This process is an input to steps 1 to 3 in the postulational approach to classification (1).

2 Checklist of Components for Facet Analysis

In order to get comprehensive analysis of compound subjects, the following table presents a checklist of component ideas for

compound subjects. The presence or absence has to be checked in completing the classifying process by Colon Classification.

S. No.	Component	Examples	To be taken from
1	Field of Study	Systemology. Computer Science. Astrophysics.	Schedule of Basic Subjects
2	Theory/Systems	Quantum theory Ayurvedic Systems	Schedule of Basic Subjects
3	Extra-normal Environment	Industrial Medicine Marine Biology	Schedule of Basic Subjects and schedule of Environment Isolates
4	Special Restrictions	Child Medicine Female Medicine	Schedule of Basic Subjects
5	Object of Study	Aggregation . Interstellar Space. Temperatures Forecasting.	Appropriate schedule of Special Personality Isolates under the respective Basic Subjects
51	Speciators to object of study	Early warning Systems. Easy to operate Lathe. Wooden Tables Beautiful Buildings	Appropriate schedule of special Personality isolates in respective basic subjects
6	Properties of objects	Density Mortality Legality	Common property isolates and special property schedules listed in respective basic subjects
7	Actions on the objects	Analysis Diagnosis Treatment	Common Action schedules and Special action schedules
70	Speciators to action		
71	Steps in action	First step in Diagnosis	Special schedule of speciators to Action listed in the respective basic subjects
72	Attributes of action	Slow treatment Intermittant treatment	Special schedule of Speciators to Action listed in the respective basic subjcts
73	Method of Performing Action	Peripatic Method of Teaching. Audio-visual Method of Teaching	Schedules of Special Speciators to Action listed in respective Basic Subject

S. No.	Component	Examples	To be taken from
74	Agent of Action	Analysis by Mathematicians Publicity by Cartoonists	Schedule of Special Speciators to Action listed in respective Basic Subjects
75	Instruments of Action	Spectral analysis by Mass Spectrometer	Schedule of Special Speciators to Action
8	Space	India	Common schedule of Space Isolates
81	Speciators to Space	Climatic zones	Schedule of Speciators listed in the common schedule of Space Isolates
9	Time	1981	Common schedule of Time Isolates
91	Speciators to Time	Eventful season Hot Day	Schedule of Speciators in the Common schedule of Time Isolates

3 Illustrations

The comprehensive listing of the components in Table in Section 2 is to be kept in view whenever one begins to classify a specific subject according to the postulational approach to classification (1). The following examples illustrated the application of the list of component ideas presented in Section 2.

31 Example 1

Consider the following example from the field of Physics of Heat. "Approximations through partition function for the thermodynamic properties of high temperature dissociated Water Vapour".

1	Field of Study (Basic Subject)	Physics of Heat
2	Theory/Systems	Classical physics
3	Extra-normal environment	—
4	Special Restrictions	—
5	Object of Study (Personality)	Heat Energy
51	Speciators to object of study	1. Water Vapour Medium 2. High temperature

6	Properties of objects (Matter)	Thermodynamic properties
61	Speciators to property	—
7	Actions on the objects (Energy)	Estimation
70	Speciators to Action	—
71	Steps in Action	—
72	Attributes of Action	—
73	Method of Performing Action	Partition function
74	Agent of Action	—
75	Instruments of Action	—
8	Space	—
81	Speciators to Space	—
82	Time	—
83	Speciators to Time	—

32   Example 2

Consider the following example from Plasma Physics for facet analysis.

"Probability of Diagnosing unbounded plasma distribution function among echo effect".

1	Field of Study (Basic Subject)	Plasma Physics
2	Theory/Systems	Quantum theory
3	Extra-normal Environment	Echos
4	Speciator Restrictions	—
5	Object of study (Personality)	Plasma
51	Speciators to object of study	Unbounded
6	Properties to object of study	Distribution function
61	Speciators to property	—
7	Actions on the object of study (Energy)	Investigation
70	Speciators to Action	—
71	Steps in Action	—
72	Attributes of Action	—
73	Method of Action	Accoustic Method
74	Agent of Action	—
75	Instruments of Action	—
8	Space	—
81	Speciators to Space	—
9	Time	—
91	Speciators to Time	—

33 Example 3

Consider the following example from Medical Radiology for facet analysis:

"Polaroid radiographs in a neurosurgical disease of human beings using low energy radiations."

1	Field of Study	Medicine
2	Theory/Systems	Allopathic systems
3	Extranormal Environment	—
4	Special Restrictions	—
5	Object of study	Brain
51	Speciators to object of study	—
6	Properties of Objects	Disease
61	Speciators to Property	Structural Disease
7	Actions	Diagnosis
70	Speciators to Action	—
71	Steps in action	—
72	Attributes of Action	—
73	Method of Action	Radiation
74	Agent of Action	Low energy
75	Instruments of action	Polaroid Radiograph
8	Space	—
81	Speciators to Space	—
9	Time	—
91	Speciators to Time	—

4 Conclusion

The development of standard procedures for classifying involves a variety of operations. Comprehensive facet analysis in the idea plane is one of the important aspects of such procedures. The development of a checklist for component ideas for classifying compound subjects is a helpful approach for this purpose. It is likely to help coextensive structuring of compound subjects. It also improves consistency in classification.

5 Bibliographical References

1. Ranganathan (S R). Classifying as translating. (*In* his Prolegomena to library classification. Ed. 3 1967. Chapter SB).
2. Ranganathan (S R). Freely faceted classification. (*In* his Prolegomena to library classification. Ed. 3. 1967. Chapter CY).