
UNIT 7 PRACTICAL CLASSIFICATION

Structure

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7.0 OBJECTIVES

This Unit will help you to apply multiple synthesis to building of complex class numbers which require the use of repeated add to instructions on the same base. Secondly, you learn to choose more appropriate or specific number in case the Schedule does not allow the synthesis. This requires the use of Precedence Tables appended to some entries in the Schedules.

After reading this Unit, you will be able to;

- handle cases involving multiple synthesis; and
- interpret and apply the precedence tables and notes for choice between two class numbers.

7.1 INTRODUCTION

You have been introduced to the process of synthesis of numbers in Unit 5 and the use of seven Tables in Unit 6 of this Block. This Unit is devoted to the process of multiple synthesis required for the advanced/depth classification of highly complex subjects. Multiple synthesis may be defined as the process of number building carried out with more than one add-to instructions. The provisions for multiple synthesis are increasing with each edition of the DDC, though the term “multiple synthesis” as such has not been used in the DDC.

As in the case of simple synthesis the basic issue is the identification of the correct base number. Choice of the right base number will depend upon your knowledge of the structure of the DDC and on your perception of those aspects in a subject which are of primary importance. It will also require some experience to become proficient in identifying a base number in a complex subject. Ranganathan's facet formula PMEST may also be of great help. In a basic class, if one of the two aspects, is concrete and the other is abstract, the concrete facet will usually form the base number for further synthesis. The core number is the base. There is ample guidance in the Schedules to identify the base number. A base is invariably appended with "add-to" instructions in the Schedules. In the process of multiple synthesis we have to move backward and forward in the Schedule to pick up components of some numbers to add them to the chosen base.

7.2 SIMPLE SYNTHESIS

To a base number a full or part number from the Schedules is only added on instructions. When you are given such an "add to" instruction, it is essentially accompanied by an example. On the basis of that readymade number, given as example, you can coin the number for the document you are classifying. There is ample step by step guidance in the Schedules to build on the base number. Let us take the title whose worked out number has been given in the Schedules.

Now we will analyse the different steps given in the Schedules for this worked out example.

Example

Title: Administration of secondary school libraries

Class Number: 025.197 822 3

Analysis:

025.19 = Administration of specific types of libraries (Add to base number 025.19 the numbers following 02 in 026 - 027)

027.8223 = Secondary school libraries

Synthesis:

025.19 + 027.822 3

025.19 + 7.822 3 = 025.197 822 3

7.3 MULTIPLE SYNTHESIS

The above one was an example of simple synthesis. Let us now take an example involving double synthesis:

Title: Administration of Jaw libraries

Class Number: 025.196 34

Analysis:

025.19 = Administration of specific types of libraries (Add to base number 025.19 the numbers following 02 in 026 - 027)

026 = Special Library (Add 001 - 999 to base number 026)

340 = Law

026 + 340 026.34 = Law Library(Now going back to 025.19 we are to add to this base number the number following 02 in 026.34)

Synthesis:

025.19 + 026.34

025.19 +6.34=025.196 34

7.3.1 Examples from Social Sciences

Title: International law for trade in tobacco

Class Number: 341.754 713 71

Analysis:

341 = International law

341.754 7 = International law for trade in specific commodities(Add to base number 341.754 7 the numbers following 380.14 in 380.141; - 380.145)

380.141 = Commerce in products of agricultureFor specific number of Tobacco there is an instruction under 380.141 which says:(Add to base number 380.141 the number following 63 in 633-638)

633.71 = TobaccoWe will add the number following 63 in 633.71, i.e., 371 to the base number 380.141

Synthesis:

380.141 + 633.71

380.141+3.71 = 380.141371

This is the number for Tobacco TradeNow again going back to original base 341.7547 where we are to add to this number the number following 380.14 in 380.141 371.Now adding this number to 341.754 7 we get:341.754 7 + 380.141 371341.754 7+1371 =341.754 713 71Repeating the process:341.754 7 (Base Number) + 1 (From 380.141) + 371 (From 633.71) ‘The number for International Law for Trade in Tobacco is 341.754 713 71

Title: Wages of women in the textile industry

Class Number: 331,428 77

This is a subject of economics.

Analysis:

331.4 = Women workers

331.41-.42331.28 == Specific aspects of employment of women(Now, there is an instruction to add to the base number 33 L4the numbers following 331 in 331.1-331.2)Wages in specific industries...

Synthesis: Thus, the wages of331.4 + 331.28 -331.4+ 28 = women in (manufacturing) industry is

$$331.4+.331.28$$

$$331.4+28 = 331.428$$

Analysis:

331.282 - .289 = Extractive, manufacturing, construction
(Add to the base number 331.28 the numbers following 6 in 620-690)(Now 331.28 is further extended by the numbers following 6 in 620 - 690)

677 Textile

We will add to base number 331.28 the number following 6 in 677.

Synthesis:

$$331.28+677 \quad 331.28+77 = \quad 331.2877$$

Hence, the number for Wages of women in the textile industry will be:

331.4 Women Labour

28 from 331.28 = Wages

77 from 677 = Textile industry

Synthesis:

$$331.4 + 331.28 + 677$$

$$331.4 + 28 + 77 = 331.428 77$$

Title: Foreign Ministry of the Government of India
Class Number 354,540 61

Analysis:

354 = Public international organizations and specific central governments other than those of United States

354.3 - 9 = Specific central governments other than those of United States
(Add “Areas” notation 3-9 form Table 2 to base number 354 then also add further as the table provided under 354.3 - .9)

-54 (Table 2) = India

06 Specific executive departments and ministries of cabinet rank (Special Table provided under 354.3 - .9) (Under 06 there is an instruction Add to 06 the number following 351.0 in 351.01 - 351.08)

351.01 = Foreign ministry

Synthesis:

$$354+ - 54 + 06+ 351.01$$

$$354 + - 54 +06+ 1 = 354.540 61$$

Class Number: 354.540 63

Analysis:	
354	= Public international organizations and specific central governments other than those of United States
354.3 - .9	= Specific central governments other than those of United States (Add "Areas" notation 3-9 form Table 2 to base number 354 then also add further as the table provided under 354.3 - .9)
-54 (Table 2)	= India
06	= Specific executive departments and ministries of cabinet rank (Special Table provided under 354.3 - .9) (Under 06 there is an instruction Add to 06 the number following 351.0 in 351.01 - 351.08)
351.03	= Home affairs departments
Synthesis:	
$354 + - 54 + 06 + 351.03354 + - 54 + 06 + 3 = 354.540 63$	

7.3.2 Examples from Science and Technology

Title: Atomic structure of uranium

Class Number: 546.431 44

Analysis:	
546.431	= *Uranium(Add as instructed under 546)
4	= Theoretical chemistry(listed under 546)The digit 4 is further amplified. (Add to 4 the numbers following 541.2 in 541.22 - 541.28)
541.24	= Atomic structure
4 + 541.24	
4+ 4	= 44
Synthesis:	
$546.431 + 4 + 541.24$	
$546.431 + 4 + 4 = 546.431 44$	

Title: Radiochemistry of uranium

Class Number: 546.431 58

Analysis:	
546.431	= *Uranium(Add as instructed under 546)
5	= Physical chemistry(listed under 546)The digit 5 is further amplified. (Add to 5 the numbers following 541.3 in 541.34 - 541.39)
541.38	= Radiochemistry
5 + 541.38	
5 + 8	= 58 -
Synthesis:	
546.431 + 5 + 541.38	
546.431 + 5 + 8	= 546.431 58

Title: Anatomy of horses

Class Number: 636.108 91

Analysis:	
636.1	= Horses
636.101-.108	= General principles (Add to the base number 636.10 the numbers following 636.0 in 636.01 - 636.08)
636.089	= Veterinary sciences/medicine(Anatomy is a topic of veterinary medicine)(Add to base number 636.089 the numbers following 61 in 610 - 619)
611 (Vol. 2, p. 828)	= Anatomy
Synthesis: 636.089 + 611636.089 + 1= 636.089 1	

Title: Monkeys as pests of apple orchards

Class Number: 634.119 698 2

Analysis:	
634.11	= *Apples(Add as instructed under 633 - 635)
9	= Pests(Listed under 633 - 635 with an instruction) (Add to 9 the numbers following 632 in 632.1 - 632.9)
632.6	= Animal pests(Add to base number 632.6 the numbers following 59 in 592 - 599)
599.82	= Monkey
Synthesis:	
634.11+9 + 632.6 + 599.82634.11+9+ 6+ 9.82	= 634.119 698 2

Title: Rats as wheat pests

Class Number: 633.119 693 233

Analysis:	
633.11	= *Wheat(Add as instructed under 633 - 635)
9	= Pests(Listed under 633 - 635 with an instruction)(Add to 9 the numbers following 632 in 632.1 - 632.9)
632.6	= Animal pests(Add to base number 632.6 the numbers following 59 in 592- 599)
599.3233	= Rats
Synthesis:	
633.11 + 9 + 632.6 + 599.3233 = 633.119 693 233	

Title: Anatomy of the lungs of horses

Class Number: 636.108 912 4

Analysis:	
636.1	= Horses
636.101- .108	= General Principles (Add to the base number 636.10 the numbers following 636.0 in 636.01 - 636.08)
636.089	= Veterinary sciences/medicine(Anatomy is a topic of veterinary medicine)(Add to base number 636.089 the numbers following 61 in 610 - 619) *
611.24	= Anatomy of lungs
Synthesis	
636.089 + 611.24	
636.089 + 124 = 636.089 124	

7.3.3 An Example from the Humanities

Title: Photography of Hindu religious festivals

Class Number: 778.9894536

Analysis:	
770	= Photography
778.9	= Photography of specific subjects Add to the base number 778.9 the numbers following 704.94 in 704.942 - 704.949)
704.948	= Religion and religious symbols

704.9489 = Other religions(Add to base number 704.9489 the numbers following 29 in 292 - 299)

294.5 = Hindu Religion

But in this example we need a number for Hindu Religious Festivals.

294.51-53 = Relationships, doctrines, public worship(Add to base number 294.5 the numbers following 291 in 291.1 - 291.3)

291.36 = Religious festivals

So we will add 36 number following 291

294.5 + 291.36

294.5 + 36 = 294.536

294.536 = Hindu religious festivals

Now we will again go back to 704.9489 to add the number following 29 in 294.536

704.9489 + 294.536

704.9489 + 4.536 = 704.948 945 36

704.948 945 36 = Art Hindu religions festivals

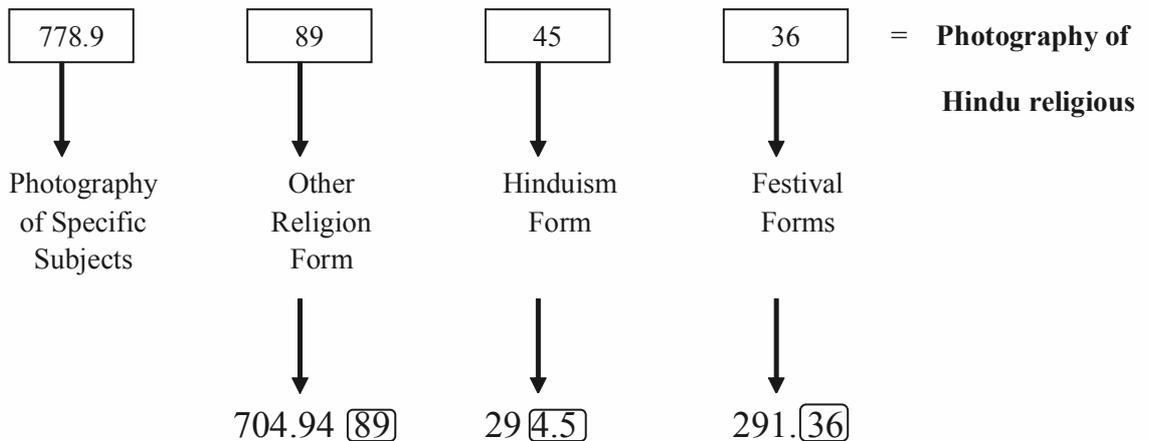
Now we will again go back to 778.9

Here we are told to add the number following 704.94 in 704.948 945 36

Synthesis:

778.9 + 704.948 945 36

778.9 + 8 945 36 = 778.989 4536



To sum up, multiple synthesis is simply a repeated synthesis wherein we carry out the “add to” instructions more than once. If you choose the correct base and then follow the “add to” instructions carefully, there is nothing to be afraid of in the slightly circuitous process. In fact building the correct class number by repeated synthesis gives joy and confidence.

Self-Check Exercise

- Note:** i) Write your answers in the space given below.
ii) Check your answers with the answers given at the end of this Unit.

- 1) Classify the following titles involving multiple synthesis.
 - a) Social reform movement for drug-addicts
 - b) Synthesis of organo-sodium drugs
 - c) Study of respiratory system in cats
 - d) Administration of medical libraries
 - e) Diseases of pet dogs
 - f) Electrotherapy for blood diseases
 - g) Debates in Indian Parliament
 - h) Indian marriage law
 - i) Injuries caused to tomato plants by high temperature

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7.4 ORDER OF PRECEDENCE

Notwithstanding synthesis, multiple-synthesis, and indepth enumeration of multitopical subjects, it is not always possible to provide a co-extensive (covering all facets of the subject) class number for a given subject. For example, let us take a simple title “Classification in public libraries”. In the DDC the class number for library classification is 025.42, and for public libraries it is 027.4. Separate numbers exist for both but nothing can be done to combine them. One reason for such problems is that the DDC is still an enumerative classification, with the aim to broadly group documents (and to be a shelf classification). It is not a device for complete subject analysis of the documents.

Anyhow, as a practical classifier in libraries you will often find yourself face to face with such situations and problems. Inevitably in such situations we will have to take one facet/aspect and ignore the other. The problem here is which to ignore and which to consider.

Decision making in such situations depends upon many factors-. Firstly, the aspect emphasised by the author must be considered foremost. It may also depend upon the library policy. If this situation does not apply, then the general (and common sense) rule is that more specific of the two aspects is to be chosen though to know which is more specific of the two is not as easy. To help resolve such situations some guidance has been provided officially in the Editor’s Introduction to the DDC. These include providing Tables of Precedence or Precedence Notes under various entries; and some other general rules for comparing the specificity of two or more aspects.

7.4.1 Table of Precedence

Table of Precedence is a tabulated list of aspects of a subject fixing the priority of one aspect over the other. The priority may also be fixed in a note form. A Table of Precedence is officially defined as a “note stating the correct citation order under a subject that the Schedules subdivide according to more than one aspect”. For example, under:

155.42-155.45 Child psychology by specific groupings (Vol.2, p. 175) is given a table of precedence with a note observe the following table of precedence, e.g., preschool boys 155 423 (*not* 155.432).

Exceptional children	155.45
By class, type, relationships	155.44
By age groups	155.42
By sex	155.43

Let us take an example:

Title: Psychology of exceptional sibling children

Class Number: 155.45

This complex subject can be broken into the following viable components:

155.43	=	Psychology of sibling children
155.45	=	Psychology of exceptional children
Preferred Class Number will be		155.45

Since as per the above Table of Precedence 155.45, exceptional children is to be preferred over 155.44 or its derivatives, so our preferred class number will be 155.45

Similarly:

Title: Psychology of pre-school girls

Class Number: 55.423 *not* 155.433

Another table of precedence has been provided under: 291.61-291.64 Religious leaders and their work (Vol.2, p. 176)

291.63	=	Divinely inspired persons
291.62	=	Persons endowed with supernatural power
291.61	=	Clergy and counselors
291.64	=	Interpreters of religion

For a title:

‘Clergymen with supernatural power’

291.62(*not* 291.61)

Divinely inspired religious writers

291.62(*not* 291.64)

Again under:

362.79 (Problems of and welfare services to) other classes of young people (Vol.2, p. 476).

Here we are given the following table of precedence with a note:

“Observe the following table of precedence, e.g., adolescent male immigrants 362.799 (*not 362.792 or 362.796*)”

362.799	=	Miscellaneous classes
362.795	=	Children
362.793	=	Females
362.792	=	Males
362.796	=	Adolescents
362.796	=	Young people of various specific racial, ethnic, national groups

Let us take an example:

‘Welfare services to city youth males’

Here as per the above table “city youth”, falling in miscellaneous class 362.799, is to be preferred over “males” 362.792. Hence the correct number is 362.79,

Another example of the table of precedence occurs at page 1125 (Vol.2) under specific management activities 658.401-658.409.

658.409	=	Personal aspect of management
658.407	=	Management of executive personnel
658.402	=	Internal organisation
658.406	=	Managing change
658.401	=	Planning, policy making, control
658.403	=	Decision making and information management
658.408	=	Social responsibility of management
658.404	=	Project management

Applying the above table

Decision making and information management for internal organisation is 658.402 (*not 658.403*) Policy making for project management is 658.401 (*not 658.404*) Examples of many more such Tables throughout the Schedule can be cited.

Self-Check Exercise

Note: i) Write your answers in the space given below.

ii) Check your answers with the answers given at the end of this Unit.

2) Classify the following titles by using the table of precedence.

- 1) Preparing luncheon for schools
- 2) Deportation for political offences
- 3) Painting of miniature portraits of women
- 4) Cooking lunch in schools
- 5) Rearing deaf boys
- 6) Miniature portraits of men

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7.4.2 Order of Precedence Note

Instead of giving the order of precedence of topics in a tabulated form, we are given a blanket instruction to use either an earlier or a later number coming in the Schedules. These are called precedence notes and have the same purpose and effect as those of Precedence Order Tables.

Let us take some examples of both the cases.

Using Last Number

For example under “365 Penal institutions”, the instruction reads : “Unless other instructions are given, class complex subjects with aspects in two or more subdivisions of this schedule in the number coming last in the schedule.” Therefore

Examples

Maximum security military prisons (camp)

365.48 (*not* 365.33)

Prison discipline for political prisoners

365.643 (*not* 365.45)

Similarly under:

395 Etiquette (manners)

A similar note appears instructing us to use the class number coming later in the Schedules.

Examples

Etiquettes for entertainments at weddings

395.3 (*not* 395.22)

Table manners for people of specific ages and sex 395.54 (*not* 395.1)

In Table 7 “Persons under -03-08 persons by various non-occupational characteristics” appears a note: “Unless other instructions are given class complex subjects with aspects in two or more subdivisions in this table in the number coming last in the table”

Examples

Upper class retired persons

-0696 (*not* -0621)

Upper class middle-aged persons

-062(*not* -0564)

Using the above titles in a full number:

Upper class middle-aged persons as artists

704.062 1 (*not* 704.056 4)

Upper class retired persons as artists

704.0696 (*not* 704.062 1)

Using an Earlier Number

On the other hand there are occasions in the DDC when we are asked to use the earlier number in such situations.

Examples

Under 331.3-.6 Labour Force by Personal Characteristics

The instruction reads: “Unless other instructions are given, class complex subjects with aspects in two or more sub-divisions of this schedule in the number coming first in the Schedules”.

Immigrant women labour

331.4 (*not* 331.62 or its subdivisions)

Middle-aged casual labour force 331.394 (*not* 331.544)

Self-Check Exercise

Note: i) Write your answers in the space given below.

ii) Check your answers with the answers given at the end of this Unit.

3) Classify the following titles using last or earlier numbers from the Schedules.

- 1) Educational service in adult women prisons
- 2) Gifted male adolescents as artists
- 3) Middle aged migrant workers

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7.5 OTHER MEANS FOR FIXING PRIORITY OF NUMBERS

When no obvious instructions are provided under that class, then there are some general or commonsense rules, for determining the specificity of a subject. Here are some tips as given by the editors in Section 8.55 of the Editor's Introduction. (Vol. 1, pp. xlvii-xlix)

7.5.1 By the Number of Zeros in a Class Number

There is one very interesting tip to prefer one number over the other. As per this tip, a class number without a zero is to be preferred over a class number with a zero; and similarly a class number with one zero is to be preferred over a class number with two zeros.

Examples

Social aspects of direct relief to young people

362.71 (*not* 362.704)

Manufacture of metallic outdoor furniture

684.18 (*not* 684.105)

Architecture of wooden ceilings

721.7 (*not* 721.044 8)

Planning and policy making in home affairs department

351.03 (*not* 351.007 2)

7.5.2 Preferring the Concrete over the Abstract

Examples

Curriculum for kindergarten

372.218 (*not* 372.19)

(Preferring concrete over the abstract)

Harvesting of China jute

633.56 (*not* 631.5)

Grammar of Oriya language 491.45 (*not* 415)

In the last two examples we have preferred material (concrete) entities over the process/operation; besides this the citation order is also the one used in these two respective classes of agriculture and language.

Self-Check Exercise

Note: i) Write your answers in the space given below.

ii) Check your answers with the answers given at the end of this Unit.

4) Classify the following titles by preferring concrete over the abstract.

- 1) Production efficiency in agriculture production economics
- 2) Causes of maladjusted young people
- 3) Evaluation and revision of curriculum in history
- 4) Colour printing by photo mechanical techniques
- 5) Metallic chairs
- 6) Atomic weight of curium chemical element
- 7) Breeding of Oriental horses
- 8) Diseases of China jute
- 9) Pali language poetry
- 10) Maintenance and repair of snow shoes
- 11) Qualifications of teachers in private schools

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7.6 TABLE OF PRECEDENCE FOR STANDARD SUBDIVISIONS (TABLE 1)

Usually two standard subdivisions are not applied in succession to a class number. If a subject poses two standard subdivisions, then only one is to be applied, on a preferential basis, and the other is to be ignored. The table of precedence is prefixed to the Table 1. A brief extract is reproduced below:

Study and teaching	-07
Management	-068
Miscellany	-02
Organizations	-06
Terminology	-014
Dictionaries, etc.	-03
Serial publications	-05

If we examine, the preferential order, it becomes obvious that the facet indicator “general special” is followed by “viewpoints”, and the real form divisions come in the end. It means internal forms are to be preferred over external forms.

Let us take the example “encyclopaedia of organisations on applied psychology”. Here “Encyclopaedia” and “Organisations” both are standard subdivisions with notation -03 and -06 respectively. Therefore, only one of them is to be added, As per preferential table, “-.06” is to be given preference over “-03”. Therefore, the correct class number is 158.06 and not 158.03 or any number combining the two ss, viz., 158.0306.

Similarly, “Directory of library schools in India” will get. the class number:

020.711 54 instead of 020.255 4

Journal of terminology of science

501.4 (*not* 505)

Therefore, whenever there are two standard subdivisions coming together in a subject, this table must be consulted to know which of them is to be applied, and which is to be ignored.

If, however, a class number is susceptible to two standard subdivisions, such cases in the schedule have been spelled out. Such cases admitting two *ss* are a few, but clearly indicated. However, any standard subdivision from 01-09 may be added to the *ss* 04. The reasons are obvious 04 is not a *ss* in the real sense.

7.7 SUMMARY

In this Unit you have been introduced to the process of multiple synthesis and the order of precedence in the number building process in the DDC. The examples given and explained in various sections of this Unit will clearly demonstrate the use of multiple synthesis for classification of complex subjects. The main points are:

- 1) The term multiple synthesis has not been formally used in the DDC. We may define it as the process of number building through the addition of two or more facets or aspects one after another to the same base number by repeated add-to instructions.
- 2) There are many situations and provisions in the DDC where you will have to use the “add-to” operation more than once on the same base number.
- 3) In classifying complex subjects, the main problem is the identification of the base number and deciding the sequence of various aspects or facets, which may go with the base number.
- 4) The formula may be: entity/operation/agent.
- 5) The order of precedence means fixing the priority number in case there is a choice between two or more class numbers. Generally we have to prefer the more specific of the two numbers. The choice may also depend upon author’s emphasis.
- 6) The table of precedence in a tabular form gives us guidance in preferring one number over the other. It is a list of classes in preferred order.
- 7) In a precedence note we are directed either to use the number coming earlier or latter in , a schedule. We are also advised to prefer a number without a zero over the one having a zero; a number with one zero is preferred over a number having two zeros.
- 8) If no clear guidance is available, we have to prefer the more specifics of the two numbers, though at times it may not be easy to compare the specificity of two numbers. In such cases we have to prefer the concrete over the abstract; the whole over the part; and the entity over the process.

7.8 ANSWERS TO SELF CHECK EXERCISES

1)

1) 362.293 524.

Analysis:

362.293 = Drug addiction(Add as instructed under 362 - 363)

5 = Social action(As given in the special table in 362 - 363 with an instruction) (Add to 5 the numbers following 361 in 361.2 - 361.8)

361.24 = Reform movements

Synthesis:

362.293+5+ 361.24

362.293 + 5+ 24 = 362.293 524

2) 615.315 382

Analysis:

615.3 = Organic drugs

615.3.1 = Synthetic drugs

(Add to base number 615.31 the numbers following 547.0 in

547.01 - 547.08)

547.053 - .056 = Specific Organo metallic compounds

(Add to base number 547.05 the numbers following 546 in

546.38 - 546.68)

546.382 = Sodium

Synthesis:

615.31 + 547.05 +546.382

615.31 + 5 +382 = 615.315 382

3) 636.808 912

Analysis:

636.8 = Cats

636.801 .808 = General principles(Add to base number 636.80 the numbers following 636. 0 in 636.01 - 636.08)

636.089 = Veterinary sciences/medicine(Add to base number 636.089 the numbers following 61 in 610 - 619)

612.2 = Respiratory organs

Synthesis:

$$636.80 + 636.089 + 611.2$$

$$636.80 + 89 + 12 = 636.808\ 912$$

4) 025.196 61

Analysis:

025 = Library operation

025.19 = Administration of specific types of libraries
(Add to base number 025.19 the numbers following 02 in 026 -027)

026 = Libraries devoted to various specific disciplines and subjects
(Add 001 - 999 to base number 026)

610 = Medicine

Synthesis:

$$025.19 + 026 + 610$$

$$025.19 + 6 + 61 = 025.196\ 61$$

5) 636.708 96

Analysis:

636.7 = Dogs

636.701-708 = General principles(Add to base number 636.70 the numbers following 636.0 in 636.01 - 636.08)

636.089 = Veterinary sciences/medicine(Add to base number 636.089 the numbers following 61 in 610 - 619)

616 = Diseases

Synthesis:

$$636.70+636.089+616$$

$$636.70+89+6=636.708\ 96$$

6) 616.150 645

Analysis:

616.15 = Diseases of blood(Add as instructed under 616.1 - 616.9)

616.1-616.9 = Specific diseases

062-069 = Other therapies(Listed under specific disease 616.1 - 616.9 with an instruction)(Add to 06 the numbers following 615.8 in 615.82 - 615.89)

615.845 = Electrotherapy

Synthesis:

$$616.15+06+615.845$$

$$616.15+06+45=616.150645$$

7) 328.540 2

Analysis:

- 328 = Legislation
- 328.4-9 = Legislative branch of specific jurisdiction in modern world (Add "Areas" notation 4-9 from Table 2 to base number 328, then add further from the special table given) then add further from the special table given)
- 54(Table 2) = India
- 02 = Debates (Listed under special table in 328.4 - .9)

Synthesis:

$328 + 54 + 02 = 328.540 2$

8) 346.540 16

Analysis:

- 346 = Private law
- 346.3-9 = Specific jurisdiction (Add "Areas" notation 3-9 Table 2 to base number 346 then to the result add the numbers following 346 in 346.001-346.096)
- 54(Table 2) = India
- 346.016 = Marriage law

Synthesis:

$346 + 54 + 346.016$

$346 + 54 + 016 = 346.540 16$

9) 635.642 912

Analysis:

- 635.642 = Tomatoes
(Add as instructed under 633 - 635)
- 633 - 635 = Specific plant crops
(Add to the notation for each term identified by *.)
- 9 = Injuries (Listed under 633 - 635)
(Add to 9 the number following 632 in 632.1 - 632.9)
- 632.12 = Injuries caused by high temperatures and drought

Synthesis:

$635.642 + 9 + 632.12$

$635.642 + 9 + 12 = 635.642 912$

- 2) 1) 641.571 (*not* 641.53)
- 2) 364.68 (*not* 364.131)
- 3) 757.7 (*not* 757A)
- 4) 641.571 (*not* 641,53)
- 5) 649.1512 (***not* 649.132**)
- 6) 757.7 (*not* 757.3)
- 3) 1) 365.66 (*not* 365.43)
- 2) 704.082 (*not* 704.055 or 704.041)
- 3) 331.52 (*not* 331.62)
- 4) 331.394 (*not* 331.544)
- 4) 1) 338.1 (*not* 338.06)
- 2) 362.74 (*not* 362.704 2)
- 3) 375.9 (*not* 375.006)
- 4) 686.232 (*not* 686.230 42)
- 5) 684.13 (*not* 684.105)
- 6) 546.442 (*not* 541.242)
- 7) 636.11 (*not* 636.082)
- 8) 633.56 (*not* 632.4)
- 9) 891.3
- 10) 685.363 (*not* 685.3104)
- 11) 371.12 (*not* 371.02)

7.9 KEYWORDS

- Complex Subjects** : A subject with multiple aspects/All class numbers obtained through synthesis are of complex subjects. The DDC is still not able to provide complete (co-extensive) class numbers for many complex subjects, so one has to rely on the order of precedence of characteristics to avoid cross classification. (The term multiple synthesis has not been formally used in the DDC).
- Cross Classification** : Situations in the classification of complex subjects having inconsistency in the use of precedence of characteristics. For example, in classifying “*storing of China jute*” one classifies in storing; and the other may put *it*. under China jute.
- Order of Precedence Table/Note** : A table or note fixing the priority in case of a choice between two or more aspects of a subject. This instruction may be in a tabulated or note form.

7.10 REFERENCES AND FURTHER READING

Comoromi, John P. [et al]. *Manual for Use of the Dewey Decimal Classification, 19th ed* Albany: forest Press, 1982. Print

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