92

UNIVERSITY OF GHANA



B. A. SECOND SEMESTER EXAMINATIONS, 2014/2015

DEPARTMENT OF INFORMATION STUDIES

(MAIN AND ACCRA CITY CAMPUSES)

INFS 302/322: THEORY AND PRACTICE OF CLASSIFICATION (3 CREDITS)

TIME ALLOWED: TWO AND A HALF (2 ½) HOURS

INSTRUCTION: ANSWER ALL QUESTIONS IN BOTH SECTIONS

YOU WILL BE PROVIDED WITH AN EXTRACT FROM A CLASSIFICATION SCHEME WITH PAGE NUMBERS 171, 178 AND 184

SECTION A

1. Indicate how LCCS is revised. (2 marks)
2. Enumerate six roles classification plays in a library. (3 marks)
3. Give four challenges we encounter with classification (2 marks)
4. Indicate the role of the List of Subject Heading to the classifier (2 marks)
5. What is cataloguing in publication? How useful is it in classification? (2 marks)
6. Indicate why a classifier will use a geographical resource in his or her work (2 marks)
7. Why do we study the theory of bibliographic classification? (2 marks)
8. Give four disadvantages of enumerative classification schemes (2 marks)
9. Indentify four criteria by which we can evaluate a classification scheme (2 marks)
10. Mention four features of a schedule (2 marks)
11. Give five requirements of a good notation (5marks)
12. What is an expressive notation? Use a self developed notation to explain this (5 marks)
13. Give four benefits of an expressive notation (2 marks)
14. What in an Index? Outline two roles that an index plays in a classification scheme (3 marks)
15. Briefly compare LCCS to DDCS (10 marks)
16. Enumerate the outline of the DDC (5 marks)
17. Differentiate between relative index and specific index (2 marks)
18. What is classification in library science? (3 mark)
19. Give four functions of classification as outlined by the Association of Library Collections and Technical Services Subcommittee on Metadata (2 marks)



EXAMINER: MISS PATIENCE EMEFA DZANDZA

93

20. Give four main classes in the LC with their notations(2 marks)

**SECTION B (20 Marks)**

Using the classification scheme extract provided, provide the notations for the following titles:

i. Conjugated oligomers, polymers, and dendrimers : from polyacetylene to DNA
ii. Preparative free-flow electrophoresis as a method of fractionation of natural organic materials
iii. Room temperature phosphorimetry for chemical analysis
iv. Hydrophilic polymers.: performance with environmental acceptance
v. Principles of organic synthesis
vi. Thermal analysis of materials
vii. Microscale manipulations in chemistry
viii. An introduction to Oximetry
ix. Syllabus for teaching organic chemistry
x. Principles of instrumental analysis
xi. Element-specific chromatographic detection by atomic emission spectroscopy
xii. Instrumentation in Analytical chemistry
xiii. Azo functional polymers: functional group approach in macromolecular design
xiv. Catalytic methods in asymmetric synthesis: advanced materials, techniques, and applications
xv. Topics in heterocyclic chemistry
xvi. Course outline for teaching organic chemistry
xvii. An advanced text book on qualitative analysis
xviii. Ion exchange chromatography
xix. Journal of Organic analysis
xx. Laboratory manual on Oligomers

Analytical chemistry -- Continued
77 Reagents, indicators, test papers, etc.
78 Handbooks, tables, formulas, etc.
79.A-Z Methods of analysis (Qualitative and quantitative), A-Z
Chemical microscopy see QH221
Chromatographic analysis
79.C4 General works
79.C45 Gas chromatography
79.C453 Ion exchange chromatography
79.C4537 Ligand exchange chromatography
79.C454 Liquid chromatography
79.C46 Paper chromatography
79.C52 Preparative layer chromatography
79.C75 Radiochromatography
79.C8 Thin layer chromatography
79.E4 Electron diffraction
79.E44 Electrophoresis
79.F4 Fluorimetry
79.I5 Instrumental analysis
79.M5 Microchemical analysis
Molecular emission cavity analysis see QD79.P4
79.O8 Oximetry
79.P4 Phosphorimetry. Molecular emission cavity analysis
79.P46 Photometry
Radiochemical analysis see QD605+
79.S4 Sedimentation analysis
Spectrum analysis see QD95+
79.T38 Thermal analysis
79.T4 Thermogravimetry
Qualitative analysis
81 General works, treatises, and advanced textbooks
83 Elementary textbooks
84 Laboratory manuals
85 Tables, outlines, etc.
87 Blowpipe analysis
Cf. QE367+ Determinative mineralogy

Organic chemistry -- Continued
255 Addresses, essays, lectures
255.4 Special aspects of the subject as a whole
255.5.A-Z Special topics, A-Z
255.5.E4 Electronic data processing
255.5.M35 Mathematics
255.5.R33 Radiation effects
Reaction mechanisms see QD502.5
Study and teaching. Research
256 General works
256.5 Outlines, syllabi
257 Problems, exercises, examinations
257.5 Experiments
257.7 Handbooks, tables, formulas, etc.
Operations in organic chemistry
258 General works
261 Laboratory manuals
262 Organic synthesis
Including general works on combinatorial chemistry
For works on pharmaceutical aspects of combinatorial chemistry see RS419
Organic analysis
Class here general works on the analysis of organic compounds
For the analysis of specific organic compounds or groups of compounds, see QD301
For works on the analysis of both organic and inorganic compounds see QD71+
271.A1 Periodicals, societies, congresses, serial publications
271.A2-Z General works, treatises, and textbooks
271.4 Qualitative analysis
Prefer QD272 for special methods in qualitative analysis
271.7 Quantitative analysis
Prefer QD272 for special methods in quantitative analysis
272.A-Z Special methods of analysis (Qualitative and quantitative), A-Z
Chromatography
272.C4 General works
272.C44 Gas chromatography
272.C444 Gel permeation chromatography
272.C447 Liquid chromatography
272.C45 Thin layer chromatography
272.C6 Colorimetric analysis
272.E4 Electrochemical analysis
272.E43 Electrophoresis
272.E5 Enzymatic analysis
272.M5 Microchemical analysis

Organic chemistry
Polymers. Macromolecules
Special types, A-Z -- Continued

382.E48 Emulsion polymers
382.F55 Fluorescent polymers
382.G7 Graft copolymers
382.H4 Heat resistant polymers
382.I43 Imprinted polymers
382.I45 Ionomers
382.O43 Oligomers
Photochromic polymers see QD382.P45
382.P45 Photopolymers. Photochromic polymers
382.P64 Polyelectrolytes
Including polyampholytes
Polymer colloids see QD549.2.P64
Polymer liquid crystals see QD923
382.P67 Polymer networks. Crosslinked polymers
382.S4 Semiconductors
382.T44 Telechelic polymers
382.W3 Water-soluble polymers
383.A-Z Special substances, A-Z
383.A27 Acrylic polymers
383.A55 Amine polymers
383.A95 Azo polymers
383.B67 Boron organic polymers
383.E66 Epoxy polymers
383.F48 Fluoropolymers
383.F84 Fullerene polymers
383.G57 Glutamic acid polymers
Methacrylate polymers see QD383.A27
383.S54 Silicon polymers
383.V56 Vinyl polymers
385 Laboratory manuals
388 Handbooks, tables, formulas, etc.
Condensed benzine rings
390 General works, treatises, and textbooks
390.3 Special aspects of the subject as a whole
391 Naphthalene and naphthalene derivatives
393 Anthracene and anthracene derivatives
395 Phenanthrene and phenanthrene derivatives
Heterocyclic and macrocyclic chemistry and compounds
399 Periodicals, societies, congresses, serial publications
400 General works, treatises, and textbooks
400.3 Special aspects of the subject as a whole
400.5.A-Z Special topics, A-Z
400.5.S95 Synthesis
401 Cyclic compounds containing N