Appendix 3

Numerical Code List

010 Basic / broad, general programmes **Basic programmes** Broad, general programmes General programmes with no special subject emphasis **080** Literacy and numeracy Basic remedial programmes for adults Functional literacy Literacy Numeracy Simple literacy **090** Personal skills Argumentation technique Assertiveness **Co-operation** Communication skills Development of behavioural capacities Development of mental skills Development of personal organisational capacities Enhancing personal skills Family life development training Job-seeking programmes Life orientation programmes Personal career planning Personal development Positive thinking Presentation technique Public speaking Self esteem skills Self-confidence Social competence Teamwork Time management 140 Teacher training and education science (broad programmes) Education technology Practical pedagogical courses Teacher education Teacher training 142 Education science Curriculum development (theory) Didactics Distance education methodology Education science Educational assessment, testing and measurement

Educational evaluation and research Pedagogical sciences (education) 143 Training for pre-school teachers Early childhood teaching Pre-primary teacher training 144 Training for teachers at basic levels Class teacher training Elementary teacher education Home language teacher training Primary teaching Special education teaching 145 Training for teachers with specialisation in general subjects Secondary teaching Special subject teaching Teacher training, theoretical subjects 146 Training for teachers of vocational subjects Driver and safety teacher education Driving instructor training Flight instructor training Nursing teacher training Physical education teacher training Post-school teacher training Teacher training in arts and crafts Teacher training in commercial subjects Teacher training in music Teacher training in nursing Teacher training in technical subjects Teacher training, physical training Teacher training, vocational subjects Technical teaching Training of instructors in companies etc. Training of trainers Vocational teacher training 210 Arts (broad programmes) Arts (broad programmes) Arts and craft (broad programmes) 211 Fine arts Aesthetics Art history Art studies Art theory Calligraphy Drawing (artistic) Etching (artistic) Fine art printmaking History of art

212 Music and performing arts

Acting and directing Choreography Circus Composition (music) Conducting (music) Dance Directing (theatre) Drama Elocution Fashion modelling History of music History of film and theatre Music Music and the stage Performing arts Theatre

213 Audio-visual techniques and media production

Animation Binding and finishing (printing) Bookbinding Camera operating Cinematography Compositing (printing) Composition equipment operating Computer graphics Computer type-setting Desktop publishing Disciockey training Film and TV editing Film production Graphic design Graphic reproduction Illustration Lay-out Media techniques Multimedia production Photo developing Photography Printing Printing machining Publishing design Radio and TV production Recorded music production Screen printing Silk screen printing Sound and vision Sound technique Type-setting 214 Design Costume design Design

Design of industrial products (artistic) Fashion design Industrial design (artistic) Interior architecture Interior decorating Interior design Stage designing Three dimensional design Window dressing 215 Craft skills Ceramics (craft) Conservation of cultural material Craft programmes Crafts, folk arts and artisanry Decorative metal crafts Embroidery (craft) Fibre, textile and weaving arts Floristry (flower arranging) Glass arts and craft Goldsmithing Handicrafts Jewellery design Jewellery making (craft) Lapidary and jewellery Making of musical instruments (not industrial) Musical instruments (repairing and tuning) Needle craft Picture framing Silversmithing Stone carving (craft) Weaving (craft) Woodcarving 220 Humanities (broad programmes) Humanities 221 Religion Religion **Religious history Religious studies** Sacred books, study of 222 Foreign languages Interpretation programmes Languages, dead Languages, foreign Linguistics, foreign languages Second languages Semantics, foreign languages Translation programmes 223 Mother tongue Creative writing Home language Language maintenance Languages, native Linguistics, native language Mother tongue programmes Philology (native language) Semantics, native language Sign language

Speech and rhetorical studies (native language) 225 History and archaeology Archaeology Comparative literature Cultural history History History and philosophy of science and technology History of science and ideas Literature history Medieval and renaissance studies Museology 226 Philosophy and ethics Ethics Logic Morals Philosophy 310 Social and behavioural science (broad programmes) Behavioural sciences Social sciences **311 Psychology** Conversational therapy Development and child psychology Psychoanalysis Psychology Psychotherapy 312 Sociology and cultural studies Criminology Cultural geography Cultural studies Demography/population studies Ethnology Futurology Gender studies Geography (social) Human geography **Regional cultures** Social anthropology Social conflict theory Social geography Sociology Women studies 313 Political science and civics Civics Human rights International relations Peace and conflict studies Political history Political science **Politics 314 Economics Econometrics** Economic history Economics International economics Macro economics

National accounts Political economy 321 Journalism and reporting Broadcast journalism Communication, mass- (wording and content) Information (wording and content) Journalism Mass communication (wording and content) News reporting Publishing (dissemination of messages) 322 Library, information, archive Archival sciences Documentation Information science Information searching Librarianship training Library programmes Museum documentation 340 Business and administration (broad programmes) Business and administration Business programmes, broad Business studies (broad programmes) Economics, business 341 Wholesale and retail sales Auctioneering Buying and selling Consumer services Dairy retailing Demonstration techniques Property sales Purchasing Purchasing, procurement and contracts Real-estate business Retailing Sales representatives Stock-keeping Telephone selling Ware-housing Wholesaling 342 Marketing and advertising Advertising Market research Marketing Merchandising Public relations Sales and marketing 343 Finance, banking, insurance Bank teller programmes Banking and finance **Business finance** Finance theory Finance, banking, insurance Financial management Insurance Investment analysis Investments and securities

Pension insurance Social insurance Stock-broking 344 Accounting and taxation Accounting Auditing Bookkeeping Tax accounting 345 Management and administration Administration **Business** administration Educational management Employment management Enterprise training Human resources management Local public administration Logistic management Management of education Management science Management skills Office management Organisational theory and behaviour Performance appraisal Personnel administration Personnel management Public administration Public and institution management Quality management Recruitment Start your own business-courses Training management 346 Secretarial and office work Administrative and secretarial services **Business** correspondence Clerical programmes Court reporting Data entry Foreign language secretary programmes Information processing/data entry Keyboard skills Legal secretary programmes Management support services Medical secretary programmes Office automation Operation of office machines **Receptionist training** Secretarial programmes Shorthand Stenography Switchboard operating Typing 347 Working life Clients' needs Company knowledge Industrial relations Introductory courses at work Organisation at work

Quality assurance Trade union courses (general) Work development Working life 380 Law Commercial law Criminal justice studies History of law Jurisprudence Labour law Law Legal practice Legal studies Notary/Notary's practise Para-legal studies 421 Biology and biochemistry Biochemistry Biology **Biometrics Biophysics** Botany Entomology Genetics Life sciences Limnology Microbiology Molecular biology Ornithology Parasitology Pharmacology Toxicology Virology Zoology 422 Environmental science Ecology Environmental science 440 Physical science (broad programmes) Physical programmes (broad programmes) 441 Physics Acoustics Astronomy Astrophysics Nuclear physics Optics Physics Planetary sciences Space science 442 Chemistry Analytical chemistry Chemistry Organic chemistry Petrology Polymer chemistry 443 Earth science Atmospheric sciences Earth science Geodesy

Geography (nature) Geography (physical) Geology Geophysics Geoscience Hydrogeology Hydrology Marine science Meteorology Mineralogy Ocean life sciences Oceanography Palaeontology Seismology Vulcanology **461 Mathematics** Algebra Applied mathematics Data analysis (mathematics) Geometry Mathematics Numerical analysis **Operations** research 462 Statistics Actuarial science Mathematical (theoretical) statistics Probability theory Statistics, applied Survey design Survey sampling 481 Computer science Computer programming Computer science Computer system analysis Computer system design Informatics (computer science) Network administration **Operating systems** Programming (computer) Programming languages (Visual Basic, C++ etc.) Software localisation Software testing 482 Computer use Computer software use Computer use Internet use programmes Software for calculating (spreadsheets) Software for data processing Software for desktop publishing Software for word processing 520 Engineering and engineering trades (broad programmes) Engineering Engineering industry programmes Maintenance engineering Materials technology

Quality control (technical) 521 Mechanics and metal work Bicycle production Bicycle repair Boilermaking and welding Gunsmith Hydraulics Locksmith and safe repairer Mechanical engineering Mechanical trades programmes Metal casting and patternmaking Metal fitting, turning and machining Metal trades programmes Metallurgical engineering Metallurgical technology Micromechanics Precision mechanics Sheetmetal working Steel production Tool and die making Watchmaking Welding 522 Electricity and energy Air-conditioning programmes Climate engineering Electrical appliances repairing Electrical engineering **Electrical fitting** Electrical power generation Electrical trades programmes Energy programmes Energy studies Gas distribution Heating trades programmes Nuclear, hydraulic and thermal energy Power production Powerline installation and maintenance **Refrigeration programmes** Solar energy 523 Electronics and automation Automation **Broadcasting electronics** Communication systems Communications equipment installation Communications equipment maintenance Computer repairing Computer engineering Control engineering Data processing technology Digital technology Electronic data processing Electronic engineering Electronic equipment servicing Network technology **Robotics** Telecommunication technology Television and radio repairing

524 Chemical and process **Biochemical technologies** Biotechnology engineering Chemical engineering Chemical process engineering Laboratory assistant programmes Laboratory technician programmes Laboratory technology Oil refining Oil/gas/petrochemicals processing Plant and machine operation (processing) Process technology 525 Motor vehicles, ships and aircraft Aeronautical engineering Aerospace engineering Agriculture machinery mechanics Air-craft engineering Air-craft maintenance Automotive electricity Automotive engineering Coachwork Helicopter construction Marine construction Maritime engineering Motorbike mechanics Motorcycle engineering Naval engineering Panel beating Shipbuilding Varnishers/sprayers Vehicle and motor engineering Vehicle building Vehicle diagnostics Vehicle electricity Vehicle mechanics Vehicle painting Vehicle repairing Vehicle trimming 540 Manufacturing and processing (broad programmes Manufacturing and processing (broad programmes) 541 Food processing Baking Beer brewing Brewing Butchering Cheese production Confectionery Dairy foods (industrial) Dairy science Distilling Food and drink processing Food handling/hygiene Food preparation Food preservation Food processing industry

Food programmes Food science Food science and technology Food technique Industrial bakery/flour production Meat processing Pastry cooking Tobacco processing Wine production Wine science Wine storing/maturing 542 Textiles, clothes, footwear, leather Clothing industry Clothing trades programmes Clothing, apparel and textile working Custom tailoring Cutting and tailoring Dressmaking Embroidery and needlework (industrial) Footwear making Fur making Furrier Garment production Knitting (industrial) Leather goods maker Leather goods production Leather processing Leather trades programmes Pelt worker Saddlery Sewing (industrial) Shoe production Shoe, boot and leather repairing Shoemaking Skins and leather production Soft furnishings Spinning Tailoring Textile technique Textile trades programmes Textiles, clothing and footwear Upholstery Weaving (industrial) Wool science 543 Materials (wood, paper, plastic, glass) Boat building (non-motor) Cabinet making Cane willow and bamboo work Carpentry (not building) Ceramics (industrial) Furniture crafts Furniture making **Glass** production Glass working (industrial) Industrial diamond production Paper manufacturing and processing Plastic manufacturing Rubber processing

Stone cutting Synthetic fibre manufacturing Timber technology Wood machining and turning Wood technology Woodwork trades programmes Woodworking and carpentry 544 Mining and extraction Coal mining Mineral technology Mining engineering Mining technology Oil and gas extraction Quarry supervision Raw material extraction 581 Architecture and town planning Architectural urban design and planning Architecture Building design Cartography/Land surveying City planning Community development Community planning Landscape architecture Rural development Structural architecture Surveying Topography Town and country planning Town and regional planning Town planning Urban planning Urban studies 582 Building and civil engineering Bricklaying Brickwork and masonry Bridge construction Building construction Building engineering Building maintenance Building renovation Building technology Carpentry and joinery (building) Cement working Civil engineering Constructing plant operation Construction technology Constructional engineering Constructional metalwork (building) Demolition Dock and harbour engineering Drawing, technical Excavation engineering Floor and wall tiling Floor covering Glazing

Insulation

Irrigation and drainage (construction) Joining and carpentry Mason and tile setting Masonry Painting and wall covering Pipe fitting Plastering (building) Plumbing Quantity surveying Road building Roof fixing Sanitation (building) Scaffolding work Stonemasonry Structural engineering Technical drawing Water supply and sewerage engineering Water technology and engineering Ventilation (building) 620 Agriculture, forestry and fishery (broad programmes) Agriculture, forestry and fishery (broad programmes) 621 Crop and livestock production Agricultural business/agribusiness operations Agricultural economics Agricultural sciences Agriculture Agronomy and crop science Animal breeding Animal husbandry Animal training Basic skills in agriculture Crop husbandry Dog breeding Farm and ranch management Farm maintenance Farming Fruit growing Fruit production Goose keeping Grain growing Horse breeding Horse husbandry Irrigation techniques Olive growing Orchards construction Pig farming Poultry husbandry Race horse care Rye and wheat growing Sheep farming Soil and water technician programmes Soil fertility Soil science Vegetable plantation Wine growing

Vineyard construction Viticulture

622 Horticulture

Floriculture Gardening Greenhouse operations Greenkeeping Horticultural technique Horticulture Landscape gardening Maintaining sports turf Nursery management (horticulture) Production of ornamental plants Sports grounds maintenance Turf cultivation Turf management

623 Forestry

Forest keeping Forest product techniques Forest ranging Forestry Hunting and trapping

624 Fisheries

Deep sea fishing Fish breeding Fish farms Fish husbandry Fishery Fishery science and technology Mariculture Shellfish breeding

640 Veterinary

Animal health care Animal reproduction (science) Veterinary assisting Veterinary medicine Veterinary science

720 Health (broad programmes)

Health (broad programmes) Public health programmes

721 Medicine

Anaesthesiology Anatomy Audiology/hearing sciences Bacteriology Cardiology Cytology Dermatology Epidemiology Forensic medicine General medicine Gerontology Gynaecology Haematology Histology Homeopathic medicine Immunology

Internal medicine Medical science Medical training Medicine Naturopathic medicine Neurology Obstetrics and gynaecology Oncology Ophthalmic Ophthalmology **Paediatrics** Pathology Physiology Plastic surgery Preventive and social medicine Psychiatry Stomatology Surgery Training of doctors Training of physicians 723 Nursing and caring Assistant nursing **Basic** nursing Care of old people Care of the disabled Community nursing Elder care Gerontological services Health care programmes Hygiene, medical Infant hygiene (nursing) Midwifery Mothercraft nursing Nursing Nursing aide/Orderly Psychiatric nursing 724 Dental studies Clinical dentistry Dental assisting Dental hygiene Dental laboratory technology Dental nursing Dental science Dental surgery Dental technology Dentistry Odontology Orthodontics 725 Medical diagnostic and treatment technology Ambulance service Ambulance technology Auditory prosthetics Emergency para-medical technologies Forensic medicine technology Hearing aid technology Medical laboratory technology Medical technology

Nuclear medicine technologies Optical lens making Optical prosthetics/lenses Optical technology Orthopaedic prosthetics Prosthetic technology Radiography Radiology technology Radiotherapy X-ray technology (medical) 726 Therapy and rehabilitation Chiropractic Dietician programmes Massage (medical) Mental health services Nutrition/dietetics Nutrition and dietetics Occupational therapy Optometry Osteopathy Physiotherapy Reflexology Rehabilitation Speech pathology and therapy Vocational rehabilitation 727 Pharmacy Dispensing pharmacy Pharmacy 761 Child care and youth services Child care Children recreation programmes Youth recreation programmes Youth services Youth worker programmes 762 Social work and counselling Alcohol and drug abuse counselling Alcohol, tobacco, drugs (knowledge about) Career advising Counselling Crisis support Family and marriage counselling Maltreatment (knowledge about) Mobbing (knowledge about) Social care Social policy Social practice Social theory (applied) Social work (welfare) Vocational counselling Vocational guidance 810 Personal services (broad programmes) Personal services (broad programmes) 811 Hotel, restaurant and catering Bar service Bartender/mixologist Catering Cooking (restaurant and hotel-type)

Culinary arts Food and hospitality services Food serving Hospitality services Hotel receptionist training Hotel services Hotel- and restaurant programmes Hotel/motel and restaurant services Waiting and bar service 812 Travel, tourism and leisure Ground crew training (airport) Guiding, tour leading Leisure and tourism Recreation and leisure Recreation management Tourism Tourist trades programmes Travel agency services Travel and tourism Travel services 813 Sports Bookmaking (horses etc) Diving (sport) Football playing Gymnastics Jockeying Physical training (sports) Sport leadership Sport trainer training Sports Sports coaching Sports instructor training Umpires and other sports officials **814 Domestic services** Caretaking, housekeeping, homeservice Chimney sweeping Cleaning Consumer economics Cooking (home) Custodian/caretaker Domestic science Dry-cleaning Funeral services and mortuary science Home economics Laundry Needlework (home) Sewing (home) 815 Hair and beauty services Barbering Beauty therapy Cosmetic services Cosmetology Fitness and weight control **Fitness services** Hairdressing Make-up Manicure

Massage (beauty) Pedicure Salon services (beauty therapy) Wig making 840 Transport services Air crew programmes (flying and navigation) Air traffic control Aircraft operation Aviation Bus and coach driving Cabin crew training Communication (air, railway, road etc.) programmes Crane driving Driving programmes Flying and navigation Fork-lift driving Mail operations Nautical science Navigation technologies Postal service **Railway** operations Road motor vehicle operations Seamanship Seamen's programmes Ship operation Stewardess/steward training (air) Transport programmes Truck driving 850 Environmental protection (broad programmes) Environmental conservation Environmental protection Environmental studies Natural resource use programmes Natural resources conservation Soil and water conservation 851 Environmental control and technology Air pollution control Ecological technology Environmental control Environmental protection technology Industrial discharge control Noise pollution control Recycling Water pollution control 852 Natural environments and wildlife Conservation and land management National parks and wildlife management

Nature conservation Wildlife management Wildlife ranger studies **853** Community sanitation services Garbage disposal Hygiene, community Hygienic standards Refuse collection Refuse/sewage disposal Sanitation, community Street cleaning Water supply (service) 860 Security services (broad programmes) Security services (broad programmes) 861 Protection of persons and property Civil security Customs programmes Diving (professional) Fire technology Fire-protection (fire fighting) Law enforcement Life guarding Police work Policing studies Prison work Public security Security and loss prevention services Security guarding 862 Occupational health and safety Ergonomics (occupational health and safety) Health and safety in the work place Industrial welfare Job safety Labour protection Labour security Labour welfare (safety) Occupational health and industrial hygiene Occupational health and safety Stress at work Work environment 863 Military and defence Army training Defence studies Military science National security War theory