Annexure – I

**Details of Theory Syllabus**

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| Sl. No. | Content |
| 1 | Laboratory Cleaning |
| 2 | Washing **&** Cleaning of Glass wares, Syringe. |
| 3 | Drying of Glass wares. |
| 4 | Handling of Laboratory Instruments. |
| 5 | Handling of Laboratory Chemicals. |
| 6 | Sterilization of Equipment. |
| 7 | Sterilization at the Picking Points. |
| 8 | Collection Process of Blood. |
| 9 | Collection Process of Urine. |
| 10 | Collection Process of Throat Swab |
| 11 | Collection Process of Conjunctival Swab. |
| 12 | Collection Process of Perennial Swab. |
| 13 | Care & Storage of Glass Ware. |
| 14 | Care & Storage of Chemicals, |
| 15 | Maintenance of Records. |
| 16 | First-Aid. |
| 17 | Receipt & Record of the Specimens. |
| 18 | Personal safety &Precautions. |
| 19 | Preparation of films. |
| 20 | Staining of Smears. |
| 21 | Anti-Coagulants. |
| 22 | Sputum Collection. |
| 23 | Dehydration. |
| 24 | Awareness of the People. |
| 25 | BP Measurement. |
| 26 | Temperature Measurement. |

**Detail of Practical Syllabus**

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| SL NO | Content |
| 1 | Cleaning of the Laboratory. |
| 2 | Cleaning of Glass Wares, Syringe. |
| 3. | Drying of Glass wares. |
| 4 | Sterilization of the Equipment. |
| 5 | Sterilization of Picking Point. |
| 6 | Blood Collection. |
| 7 | Urine Collection. |
| 8 | Conjunctival Swab Collection. |
| 9 | Smears Collection. |
| 10 | Maintenance of Records. |
| 11 | First-aid Management |
| 12 | Specimen Receipt **&** Records. |
| 13 | Preparation of Films. |
| 14 | BP Measurements. |
| 15 | Temperature Measurement. |
| 16 | Identification of the Instruments |
| 17 | Operational Procedure of the Instruments. |

**Detail of Employability Skills Syllabus**

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| **Sl. No.** | **Content** | **Details** |
| 1. | English Literacy & Communication Skills | Accentuation (mode of pronunciation) on simple words, Diction (use of word and speech) Transformation of sentences, Voice change, Change of tense, Spellings. Reading and understanding simple sentences about self, work and environment. Construction of simple sentences, Writing simple English.Speaking with preparation on self, on family, on friends, classmates, on know, picture reading gain confidence through role-playing . Taking messages, passing messages on and filling in message forms Greeting and introductions office hospitality, Resumes or curriculum vita essential parts, letters of application reference to previous communication.Communication and its importance, Principles of Effective communication, Types of communication – verbal, non verbal, written, email, talking on phone. Non verbal communication –characteristics, components-Para-language, Body – language, Barriers to communication and dealing with barriers.Handling nervousness/ discomfort. Self awareness, Importance of Commitment, Ethics and Values, Ways to Motivate Oneself, Personal Goal setting and Employability Planning. Manners, Etiquettes, Dress code for an interview, Do’s & Don’ts for an interview, Problem Solving, Confidence Building, Attitude. |
| 2. | I.T. Literacy | Introduction, Computer and its applications, Hardware andperipherals, Switching on-Starting and shutting down ofcomputer.Basics of Operating System, WINDOWS, The user interfaceof Windows OS, Create, Copy, Move and delete Files andFolders, Use of External memory like pen drive, CD, DVDetc, Use of Common applications.Basic operating of Word Processing, Creating, opening andclosing Documents, use of shortcuts, Creating and Editing ofText, Formatting the Text, Insertion & creation of Tables.Printing document.Basics of Excel worksheet, understanding basic commands,creating simple worksheets, understanding sample worksheets,use of simple formulas and functions, Printing of simple excelsheetsInternet, Concept of Internet (Network of Networks),Meaning of World Wide Web (WWW), Web Browser, WebSite, Web page and Search Engines. Accessing the Internetusing Web Browser, Downloading and Printing Web Pages,Opening an email account and use of email. Social media sitesand its implication. Information Security and antivirus tools, Do’s and Don’ts in Information Security, Awareness of IT – ACT, types of cyber crimes. |
| 3. | Entrepreneurship Skills | Entrepreneurship vs. management, Entrepreneurial motivation. Performance & Record, Role & Function of Entrepreneur, Qualities of a good Entrepreneur, SWOT and RiskAnalysis. Concept & application of PLC, Sales &distribution Management. Different Between Small Scale & Large Scale Business, Market Survey, Method of marketing, Publicityand advertisement, Marketing Mix.Preparation of Project. Role of Various Schemes andInstitutes for self-employment i.e. DIC, SIDA, SISI, NSIC, SIDO, Idea for financing/ non financing support agencies to familiarizes with the Policies /Programmes & procedure & the available scheme.Project formation, Feasibility, Legal formalities i.e.,Shop Act, Estimation & Costing, Investment procedure – Loan procurement – Banking Processes. |
|  | Productivity & Quality Tools | Definition, Necessity, Meaning of GDP.Personal / Workman – Incentive, Production linked Bonus,Improvement in living standard. Industry Nation.Skills, Working Aids, Automation, Environment, Motivation. How improves or slows down.Banking processes, Handling ATM, KYC registration, safecash handling, Personal risk and Insurance.Meaning of quality, Quality characteristic. Definition, Advantage of small group activity, objectives of quality Circle, Roles and function of Quality Circles in Organization, Operation of Quality circle. Approaches to starting Quality Circles, Steps for continuation Quality Circles.Idea of ISO 9000 and BIS systems and its importancein maintaining qualities.Purpose of Housekeeping, Practice of good Housekeeping.Basic quality tools with a few examples |
|  | Occupational safety, health and Environment Education &Labour WelfareLegislation | Introduction to Occupational Safety and Health importanceof safety and health at workplace.Basic Hazards, Chemical Hazards, Mechanical Hazards, Electrical Hazards, Thermal Hazards.Occupational health, Occupational hygienic, OccupationalDiseases/ Disorders & its prevention.Basic principles for protective equipment.Accident Prevention techniques – control of accidents andsafety measures.Care of injured & Sick at the workplaces, First-Aid &Transportation of sick person.Benefits guaranteed under various acts- Factories Act, Apprenticeship Act, Employees State Insurance Act (ESI), Payment Wages Act, Employees Provident Fund Act, The Workmen’s compensation Act. |