Revised Curriculum for Multi Skill Foundation Course for Class 10th for AY 2020-21

Multi Skill Foundation Course MLT/Q0001 (Class X)

*__NOTE:__ Following topics will not be assessed in the theory examination –

UNIT 1 (Session 4,7,8)	These topics can be assessed for the knowledge & performance evaluation during the Practical examination only.
UNIT 2 (Session 2,8)	
UNIT 3 (Session 4)	
Unit 4 (Session 4,6)	
Unit 1 (Session 6)**	As per the curriculum, students are only expected to observe the demonstration given by teacher. Hence, this topic will be assessed for only knowledge evaluation by means of **viva** during practical examination.

Revised Curriculum/Topics for Class X:

Unit	Session	Practical
1-Workshop & Engineering Techniques	1. Introduction of Engineering Drawing Instruments	• Identification and use of Engineering Drawing instruments
	2. Engineering Drawing (Orthographic & Isometric Projection)	• Draw plan, elevation of simple objects (Cone, Cylinder, Cube)
	3. Safety Precautions In Engineering Workshop	• Demonstrate the use of necessary safety measures inside engineering workshop.
	4. Introduction To Engineering Measurement Instruments*	• Demonstrate the use of Engineering measurement Instrument (Vernier Caliper, Outside micrometer, Vernier height gauge)
	5. Types Of GI Pipe Fittings	• Carry out GI piping using threading, coupling two or more pipes using different fittings
	6. Welding Technique & Welding Joint Test** (Simulation or observation only)	• Teacher to provide demonstration of preparing welding joints (T- fillet joint, Open corner joint, Single V butt joint) and students are only expected to observe (Simulation or observation only)
	7. Basic Techniques In Building Construction -Ferro Cement Sheet*	• Prepare Ferro cement items like sheet, tank, wall etc.
	8. Making Of RCC Column*	• Prepare RCC column
	9. Costing Of Construction	• Calculate costing of construction
	10. Plastering And Painting	• Plaster an area of 1 sq. meter
2- Energy & Environment	1. Introduction To Electrical Techniques And Practices	• Prepare series & parallel electrical circuit
	2. Introduction Of Electric Pump, DOL Starter, And Inverter*	• Identify different parts & working principle of inverter • Identify different parts & working principle of motor/pump • Demonstrate installation of DOL/Starter to motor
	3. Solar Energy	• Identify the various components & working principle of solar devices

	4. Demonstrate The Functioning And Operation Of A Petrol Or Diesel Engine	• Identify the various components & working principle of Petrol & Diesel Engine
	5. Bio Gas Concept And Use	• Identify the various components of biogas plant and prepare biogas from biomass • Making of charcoal using biomass
	6. Water Conservation Concept	• Identify & study the different components of rain water harvesting system
	7. Rainfall Measurement Method	• Make a rain gauge using plastic bottle & funnel
	8. Land Survey Method*	• Use plain table /dumpy level to mark contours
3-Gardening, Nursery and Agriculture Techniques	1. Nursery Technique	• Prepare seed bed • Demonstrate different grafting methods
	2. Irrigation & Water Conservation Methods	• Demonstrate the knowledge and application of different irrigation & water conservation methods (surface irrigation, Furrow , basin, sprinkler & drip irrigation) • Demonstrate installation & maintenance of drip/sprinkler irrigation system
	3. Interpreting Result Of Soil Testing	• Demonstrate the procedure for collecting soil sample & interpret the results of soil test
	4. Artificial Insemination*	• Identify breeds used for artificial insemination
	5. Prepare Fodder For Animals	• Prepare fodder for animals
4-Personal Health & Hygiene	1. Balanced Diet	• Identify different nutrition deficiency diseases
	2. Personal Health & Hygiene And Community Health & Mental Health	NA
	3. Communicable & Non-Communicable Diseases, Vaccination, Dehydration And Emergency First Aid	• Prepare O.R.S solution • Prepare Emergency FIRST AID kit & learn to use FIRST AID kit
	4. Blood & Blood Group-Basic Information And Blood Pressure And Measuring Hemoglobin (Simulation or observation only)*	• Teacher to provide demonstration of blood group testing and students are expected to only observe (Simulation or observation only) • Teacher to provide demonstration of Blood Hemoglobin testing and students are expected to only observe (Simulation or observation only) • Determine blood pressure using blood pressure machine
	5. Community Health & Environment Care (Awareness Programs For People With Special Needs And Family Health And Health Planning)	• Calculate medical health expenses of a family
	6. Pollution-Sources, Effects And Solutions And Water Quality Testing*	• Perform water quality test using H2O strip testing kit
	7. Food Products (Handling Of Food Products, Perishable & Non-Perishable Food, Packed & Loose Food And Fresh & Stale Food Product	• Identify Perishable & Non Perishable food • Identify the hygienic practices adopted for handling of food. • Develop & administer a questionnaire on food habits & hygienic practices

Class – X
DELETED SYLLABUS
(For the Session of 2020-21 Only)
Punjabi
(THEORY)

पुस्तक का नाम – साहित्यिक दीपिका

1. शाह हुसैन – खाकू विच समावणा, नाल सज्जन दे रहिए।
2. बुल्ले शाह – इश्क दी नवीओं नवीं बहार।
3. हजारा सिंह गुरदास पुरी – सिंध माता दी वार।
4. सुरजीत पातर – हनेरा जरे गा किवें।
5. वणजारा बेदी – टुॅटी भँजी नौकरी।
6. तारा सिंह अणजाण – सभन के सिरमौर।

पुस्तक का नाम – साहित्यिक वनगीयाँ

1. गशत – जगदीश कौशल
2. कोऊँ न निबहिओ साथ – पांधी ननकाणवी
3. बाबा गुरदित सिंह कामागाटा मारू – अशोक शर्मा

Class – X
DELETED SYLLABUS
(For the Session of 2020-21 Only)
Elements of Book-Keeping and Accountancy
(THEORY)

1. ***Final Accounts :*** with simple adjustments
2. ***Bank Reconciliation Statement :*** with discount and Bank colums
3. ***Bills of Exchange :*** retiring,dishonouring and renewing of bills of exchange
5- ***Depreciation :*** Diminishing balance methods

Class – X
DELETED SYLLABUS
(For the Session of 2020-21 Only)
Elements of Business
(THEORY)

1. ***Office Routine :*** Handling inward and outward mail, indexing methods, duplicating methods.
2. ***Business Correspondence :*** Quotations, Reference, Advice and Complaints
3. ***Banks :*** Bank drafts, Post Office Saving Bank
4. ***Negotiable Instruments :*** Endorsement
5. ***Bills of Exchange :*** Negotiation, Endorsing, Dishonouring

Class – X
DELETED SYLLABUS
(For the Session of 2020-21 Only)
Bengali
(THEORY)

1. Grammar

a. Punctuation – only sentences from prose
b. General Correction of words and sentences

2. Composition

a) Leave Application

Section B

1. Prose (Detailed Study)

Lessons to be studied :

- Vidya Sagar By Rabindra Nath Tagore
- Palli Sahitya by Mohd. Shahidulla

2. Poetry

Poems to be studied:

(i) Chhatra Dhara by Kalidas Roy
(ii) Vibhishaner Prati Indrajit by Madhu Sudan Dutt

3. Short Stories

(First Four Short Stories only)

(i) Goho
(ii) Hambirer Rajyalabh

Class – X
DELETED SYLLABUS
(For the Session of 2020-21 Only)
Information Technology
(THEORY)

Theory

UNIT 1: IT BASICS

Internet : Web address, Emailaddress, URL, HTTP.

Services available on Internet: Information Retrieval, Electronic Mails, Locating sites using search enginesand finding people on the net.

UNIT 2: IT TOOLS

MS Access:

Data Validation: Field Size, Default Value Validation Rule, Validation Text, Required, Allow Zero Length.

Class – X
DELETED SYLLABUS
(For the Session of 2020-21 Only)
Urdu (Sub. Code 004)
(THEORY)

Section – A

Applied Grammer

1- Fael ki Qismein : Lazim, Mutaddi, Naqis.
2- Figures of Speech : Husn-e-taleel, Miratunnazeer, Tazad.

Section – B

Prose

Book : Nawa-e-Urdu
Afsana : (i) Bheek – Hayatullah Ansari.
Mukhtasar Mazmoon : (i) Makhloot zaban – Maulvi Abdul Haq.
(ii) Ishtaharat 'Zaroori nahi hai' ke – Ibn-e Insha.

Book : Gulzar-e-Urdu
Afsana : (i) Sakhi – Kalam-e-Haidari.
(ii) Man ka tauta – Ratan Singh
(iii) Doshala – Jeelani Bano.
Khaka : (i) Mirza Chapati – Ashraf Subuhi.

Poetry

Book : Nawa-e-Urdu
Ghazal : (i) Asghar Gondvi – Alaam-e-rozgar ko asan bana diya.
(ii) Yas Yagana Changezi – Adab ne dil ke taqaze uthaye hein kya kya?
Nazm : (i) Akhtar Sheerani – O des se aane wale bata.
Rnbai : (i) Tilok Chand Mehroom – Fitrat ki di hui musarrat kho kar.
Mazhab ki zuban par hai nikoi ka payam.

Class – X
DELETED SYLLABUS
(For the Session of 2020-21 Only)
AGRICUTURE
(THEORY)

1. इकाई–फसल चक्र एवं खेती के प्रकारः–

(घ) दियारा खेती।

(ड.) मिश्रित खेती।

2. इकाई–फसलोत्पादन :–

(क) अनाज की फसलें – जौ की खेती।

(ख) दलहनी फसलें – उड़द एवं सोयाबीन खेती।

(ग) तिलहनी फसलें – सूरजमुखी खेती।

(घ)सब्जी की फसलें – फूलगोभी एवं बैंगन की खेती।

(च) चारे की फसलें – ज्वार की खेती।

3. इकाई–बागवानी :–

(ख) बाग लगाने के लिए भूमि का चुनाव करते समय ध्यान देने योग्य बातें।

(घ) बाग लगाने की विधियाँ।

4. इकाई–फलोत्पादनः–

(क) अमरूद की खेती।

5. इकाई–पुष्पोत्पादन :–

(ख) उत्तराखण्ड में पुष्पोत्पादन – डहेलिया की वैज्ञानिक खेती।

6. इकाई–पशुपालन एवं दुग्धोत्पादन :–

(ख) भेड़ पालन।

(ग) दुग्धोत्पादन सम्बन्धी सामान्य जानकारी।

Class – X
DELETED SYLLABUS
(For the Session of 2020-21 Only)
HOME SCIENCE
(THEORY)

Unit 1 : **Principles of growth and development of Child :** Physical, Social and Emotional needs of children.

Unit 3 : **Play :** Characteristics of Play active-passive-natural-serious and exploratory.

Unit 4 : **Nutrients :** Loss of nutrients during cooking conversation and enhancement of nutrients.

Unit 5 : **Meal Planning :** Food allowances suggested by ICMR

Unit 7 : **Resources available to family :** General Characteristics of wise use of resources personal and shared

Unit 9 : **Consumer Education :** Lacs of standardized products, misleading advertisement, aids to help consumers, standardization marks, labels, packages, advertisement, pamphlets & Leaflets

Unit 10 : **Care of Clothes :** Stain removal (Precaution & Method)

Unit 11 : **Quality Check of Apparrel :** Reading of labels on Clothes

Class – X
DELETED SYLLABUS
(For the Session of 2020-21 Only)
MATHEMATICS
(THEORY)

UNIT I : NUMBER SYSTEMS

1. REAL NUMBERS

Euclid's division lemma.

UNIT II : ALGEBRA

1. POLYNOMIALS

Statement and simple problems on division algorithm for polynomials with real coefficients.

2. PAIR OF LINEAR EQUATIONS IN TWO VARIABLES

Cross multiplication.

UNIT III : TRIGONOMETRY

1. INTRODUCTION TO TRIGONOMETRY

Motivate the ratios, whichever are defined at 0° & 90°

2. TRIGONOMETRIC IDENTITIES

Trigonometric ratios of complementary angles.

UNIT IV : COORDINATE GEOMETRY

1. LINES (In two-dimensions)

Area of a triangle.

UNIT V : GEOMETRY

1. TRIANGLES

- (Prove) The ratio of the areas of two similar triangles is equal to the ratio of the squares on their corresponding sides.
- (Prove) In a triangle, if the square on one side is equal to sum of the squares on the other two sides, the angles opposite to the first side is a right traingle.

3. CONSTRUCTIONS

- Construction of a triangle similar to a given triangle.

UNIT VI : MENSURATION

1. AREAS RELATED TO CIRCLES

120^0

2. SURFACE AREAS AND VOLUMES

(i) Frustum of a cone.

UNIT VII : STATISTICS AND PROBABILITY

1. STATISTICS

Cumulative frequency graph.

Class – X
DELETED SYLLABUS
(For the Session of 2020-21 Only)
SCIENCE
(THEORY)

Theme : Materials

Unit 1 : Chemical Substances - Nature and Behaviour

Metals and non metals : Basic Metallurgical processes, corrosion and its prevention.

Carbon Compounds : Nomenclature of carbon compounds, Functional groups, difference between saturated hydrocarbons and unsaturated hydrocarbons, Ethanol and Ethanoic acid (only properties and uses), soaps and detergents.

Theme : The world of the living

Unit 2 : World of Living

Control and Co-ordination in animals and plants : Tropic movements in plants; Introduction to plant hormones; control and co-ordination in animals : voluntary, involuntary and reflex action, nervous system; chemical co-ordination : animal hormones.

Heridity and evolution : Basic concepts of evolution.

Theme : How things work.

Unit 3 : Effects of Current

Magnets : Direct current. Alternating current; frequency of AC. Advantage of AC over DC. Domestic electric circuits.

Theme : Natural Phenomena

Unit 4 :

Functioning of a lens in human eye, problems of vision and remedies, applications of spherical mirrors and lenses.

Theme : Natural Resources

Unit 5 :

Sources of energy : Different forms of energy, conventional and non-conventional sources of energy:fossil fuels, solar energy; biogas; wind, water and tidal energy; nuclear. Renewable versus non-renewable sources.

Class – X
DELETED SYLLABUS
(For the Session of 2020-21 Only)
SOCIAL SCIENCE
(THEORY)

Unit 2 : India – Resources and their Development

Chapter Number & Chapter Name	Deleted Portion
3. Forest and Wild life resources :types and distribution, depletion of flora and fauna; conservation and protection of forest and wild life.	**Complete Chapter Deleted**
5. Water resources : sources, distribution, utilization, multi-purpose projects, water scarcity, need for conservation and management, rainwater harvesting (one case study to be introduced)	**Complete Chapter Deleted**
6. Mineral Resources :types of minerals, distribution, use and economic importance of minerals, conservation.	**Complete Chapter Deleted**

Unit 3 :Democratic Politics II

Chapter Number & Chapter Name	Deleted Portion
4. Outcomes of democracy : Can or should democracy be judged by its outcomes? What outcomes can one reasonably expect of democracies? Does democracy in India meet these expectations? Had democracy led to development, security and dignity of the people? What sustains democracy in India?	**Complete Chapter Deleted**
5. Challenges of democracy : Is the idea of democracy shrinking? What are the major challenges to democracy in India? How can democracy be reformed and deepened? What role can an ordinary citizen play in deepening democracy?	**Complete Chapter Deleted**

Class – X
DELETED SYLLABUS
(For the Session of 2020-21 Only)
SOCIAL SCIENCE
(THEORY)

Unit 2 : India – Resources and their Development

Chapter Number & Chapter Name	Deleted Portion
3. Forest and Wild life resources :types and distribution, depletion of flora and fauna; conservation and protection of forest and wild life.	**Complete Chapter Deleted**
5. Water resources : sources, distribution, utilization, multi-purpose projects, water scarcity, need for conservation and management, rainwater harvesting (one case study to be introduced)	**Complete Chapter Deleted**
6. Mineral Resources :types of minerals, distribution, use and economic importance of minerals, conservation.	**Complete Chapter Deleted**

Unit 3 :Democratic Politics II

Chapter Number & Chapter Name	Deleted Portion
4. Outcomes of democracy : Can or should democracy be judged by its outcomes? What outcomes can one reasonably expect of democracies? Does democracy in India meet these expectations? Had democracy led to development, security and dignity of the people? What sustains democracy in India?	**Complete Chapter Deleted**
5. Challenges of democracy : Is the idea of democracy shrinking? What are the major challenges to democracy in India? How can democracy be reformed and deepened? What role can an ordinary citizen play in deepening democracy?	**Complete Chapter Deleted**

Class – X
DELETED SYLLABUS
(For the Session of 2020-21 Only)
Sanskrit
(THEORY)

सत्र 2020–21 हेतु पाठ्यक्रम से निम्नलिखित अध्याय हटा दिए गए है :–

कक्षा–10	पाठ्यपुस्तक–शेमुषी	अध्याय–(1) विचित्रः साक्षी
		(2) सूक्तयः
		(3) भूकम्पविभीषिका
		(4) प्राणेभ्योऽपि प्रियः सुहृद्

Class – X
DELETED SYLLABUS
(For the Session of 2020-21 Only)
ENGLISH
(THEORY)

Literature

FIRST FLIGHT

1. How to Tell Wild Animals
2. Trees
3. Fog
4. Mijbil the Otter
5. For Anne Gregory

FOOTPRINTS WITHOUT FEET

1. The Midnight Visitor
2. A Question of Trust
3. The Book That Saved The Earth

Class – X
DELETED SYLLABUS
(For the Session of 2020-21 Only)
HINDI
(THEORY)

सत्र 2020–21 हेतु पाठ्यक्रम से निम्नलिखित पाठ हटा दिए गए है :–

क्षितिज भाग– 2	काव्य खण्ड गद्य खण्ड	• देव • जयशंकर प्रसाद – आत्मकथ्य • नागार्जुन – यह दन्तुरित मुसकान, फसल • गिरिजा कुमार माथुर – छाया मत छूना • मंगलेश डबराल – संगतकार • मन्नू भंडारी – एक कहानी यह भी • महावीर प्रसाद द्विवेदी – स्त्री शिक्षा के विरोधी कुतर्कों का खंडन • यतीन्द्र मिश्र – नौबत खाने में इबादत • भदंत आनंद कौसल्यायन – संस्कृति
कृतिका भाग– 2	• एहीठैयाँझुलनीहेरानीहोरामा। • मैं क्यों लिखता हूँ?	
संस्कृत विनोदिनी	• सूक्तिमौक्तिकानि • अन्योक्तिविलासः • स्वामी विवेकानन्दः	