दुग्ध विकास संस्थान केन्द्रीय कार्यालय, लैनचौर

संस्थानको सहायक स्तर तह ४ प्राविधिक सेवा " फोरम्यान " पदका लागि खुल्ला/आन्तरिक प्रतियोगितात्मक परिक्षाको पाठ्यक्रम ।

यस पाठ्यक्रमको आधारमा निम्नानुसार तीन चरणमा परीक्षा लिइने छ:

प्रथम चरण :

लिखित परीक्षा पूर्णाङ्क : ६०

द्धितीय चरण :

प्रयोगात्मक पूर्णाङ्ग : ४०

तेस्रो चरण :

अन्तर्वार्ता पूर्णाङ्ग : २०

प्रथम चरणको लिखित परीक्षा योजना :-

विषय	पूर्णाङ्क	उत्तीर्णाङ्क	परीक्षा प्रणाली	प्रश्न संख्या	अंकभार	समय
सेवा सम्बन्धी	६०	२४	वस्तुगत बहुउत्तर Multiple Choice	₹ 0	२ अंक	४५ मिनेट

द्धितीय चरण :-

विषय	पूर्णाङ्क	उत्तीर्णाङ्क	परीक्षा प्रणाली	प्रश्न संख्या	अंकभार	समय
प्रयोगात्मक	४०	१६	प्रयोगात्मक	8	१० अंक	२ घण्टा

तेस्रो चरण :-

विषय	पूर्णाङ्क	उत्तीर्णाङ्ग	परीक्षा प्रणाली	प्रश्न	अंकभार	समय
				संख्या		
व्यक्तिगत अन्तरर्वार्ता	२०	1	मौखिक	-	1	-

परीक्षाका विषयहरु :-

- 1. Safety Practices (सुरक्षा विधिहरु)
 - 1.1 Importance of Safety
 - 1.2 Types of Safety
 - 1.2.1 Personal Safety
 - 1.2.2 Machine's Safety
 - 1.2.3 Tools Safety
 - 1.2.4 Workplace Safety
 - 1.3 Knowledge of Industrial safety and hygiene
 - 1.4 Safety tools and devices

2. General Workshop Practices (मेकानिकल बर्कशप सम्बन्धी ज्ञान)

- 1.1 Basic knowledge of measuring system and calculation
- 2. Bacic knowledge of measuring tools and equipment
- 2.2.1 Scale, Try square, Bevel, Protector
- 2.2.2 Vernier Caliper, Micrometer, Gauges
- 2.3 Basic knowledge of hand tools and special tools used in general mechanical, refrigeration, auto and electrical.
- 2.3.1 Files, Hacksaw, Chisels, Hammer, Marking Tools, Screwdriver, Wrenches, Torque Wrenches
- 2.3.2 Tube Cutting, Flaring, Gauge manifold, Vacuum pump
- 2.3.3 Tester, Multi meter, Clamp on meter
- 2.4 Material Joining
- 2.4.1 Arc welding Principle, Tools, Equipment, Welding procedure
- 2.4.2 Oxygen-acetylene welding Principle, Tools, Equipment, Procedure
- 2.4.3 Soldering Principle, Tools, Equipment, Procedure
- 2.5 Plumbing
- 2.5.1 Marking, Cutting, Threading, Joining of GI Pipes
- 2.5.2 Marking, Cutting, Welding Joining of Copper Pipes
- 2.5.3 Marking, Cutting, Joining and Sealing of PVC Pipes
- 2.6 Basic knowledge of lifting devices used in workshop and their operation
- 2.6.1 Chain pulley
- 2.6.2 Jacks
- 2.6.3 Fork

3 Maintenance System (मर्मत सम्भार प्रणाली)

- 3.1 Importance of maintenance
- 3.2 Basic knowledge of maintenance system
- 3.3 Preventive & Breakdown

4. Basic Drawing (आधारभुत ड्रइङ्ग सम्बन्धी ज्ञान)

- 4.1 Scale and dimensions
- 4.2 Symbols

5. Record keeping (अभिलेख राख्ने कार्य)

- 5.1 Improtance of record keeping
- 5.2 Basic knowledge of maintenance job card
- 5.3 Bacic knowledge of operation log sheet

6. Fuels and Lubricants (ईन्धन तथा लुब्रिकेन्टस्)

- 6.1 General knowledge of different types of fuels and lubricants used in machinery, automobiles and generator.
- 6.2 Knowledge of application and changing intervals of lubricants

- 7. General knowledge on maintenance of automobiles components (अटोमोवाइलका कम्पोनेन्ट मर्मत सम्भार सम्बन्धी साधारण ज्ञान)
 - 7.1 Engine, Gear Box, Clutch, Brake, Differential, Wheels and Axles
 - 7.2 Electrical system, Hydraulic system, Lubrication system, cooling system, Fuel system, Suspension system, Steering system, Instruments and controls.
- 8. Basic knowledge of various dairy machineries (दूध उत्पादन गर्ने मेशिन सम्बन्धी साधारण ज्ञान)
 - 8.1 Milk Chilling Equipments
 - 8.2 Cream Separator
 - 8.3 Plate Heat Exchanger
 - 8.4 Milk Pump
- 9. Basic maintenance based mechanical knowledge on production line/assembling line in Industries. (र्ममत सम्भारसंग आधारित उद्योगको प्रोडक्सन र एसेम्बली लाइन सम्बन्धी ज्ञान)
 - 9.1 Pulleys and conveyor belts
 - 9.2 Pumps
 - 9.3 Refrigeration
 - 9.4 Boiler and Generator