

**न्यूस्पेस इंडिया लिमिटेड (एनसिल)**  
**NewSpace India Ltd. (NSIL)**  
(अंतरिक्ष विभाग के अधीन भारत सरकार की एक कम्पनी)  
(A Central Public Sector Enterprise under Department of Space)

Date: 02-12-2022

**Syllabus for Deputy Manager's written exam.**

**(DMB-01): Business Development**

1. Historical Overview of Space technology
2. Space Environment
3. Space Transportation System
4. Spacecraft and its subsystems
5. Ground Support Equipment for Earth Observation, Navigation and Communication satellites
6. Space applications for Earth Observation, Navigation and Communication satellites
7. Management of Space Projects
8. Marketing Knowledge.

**(DTR-01): Deputy Manager-Technical (Remote Sensing)**

1. Physics of Remote Sensing [including Orbits, Platform, Sensors, etc.]
2. Principles of Photogrammetry
3. Fundamentals of Cartography, Geodesy and Global Positioning System
4. Multispectral, Thermal, Hyperspectral Imaging
5. Microwave and LIDAR Sensing
6. Stereo Imaging [DSM/DEM, Orthophotograph]
7. Meteorological Imaging
8. Digital Image Processing and Analysis (include accuracy related aspects also)
9. Applications of Remote Sensing in Diversified Areas right from Agriculture, Forestry, Urban, Water, Cartography, Ocean, Meteorology, to Disaster Management Support.

**Geographic Information System**

1. Fundamentals of GIS [Data types, Spatial and Non-Spatial Data, Spatial Query, Geodatabase organization, GIS data quality]
2. WebGIS
3. Open GIS specifications [WMS, WFS, WCS, ...]
4. Data Visualization and Map generation [ including Datum, Projection, Symbology, etc]

**(DTE-01): Deputy Manager-Technical (Electronics) & (DTM-01): Deputy Manager - Technical (Mechanical)**

Curriculum taught in B.E/B.TECH

**(DMF-01): Deputy Manager-Accounts & Finance**

1. General Studies, Quantitative, Reasoning etc
2. Principles of Auditing, Costing, Balance Sheet Reading, Ratio Analysis, Management Accountancy, Mercantile Law, Banking practices, Taxation & Basics of Economics
3. General Financial Rules
4. Capital Budgeting, estimation of NPV, IPR, Profitability, ROI
5. Preparation of Annual report including Balance Sheet, Profit & Loss Statement and Cash Flow Statement
6. Accounting Standards like Ind AS, GAAP

**(DML-01): Deputy Manager- Legal**

Curriculum taught in LLB/BL.

**(DMH-01): Deputy Manager- HR & Administration**

1. General studies, Quantitative, Reasoning etc
2. English Grammar at Graduation level
3. Constitution of India
4. Reservations in Government Service
5. Industrial Disputes Act
6. Workmen's Compensation Act
7. Contract Labour Regulation Act
8. Apprentices Act
9. Right to Information Act
10. Minimum Wages Act
11. Human Resources Management, including Organisation Behaviour, Motivation, Leadership, Training & Development
12. Administrative guidelines/Procedures in PSUs

**(DMP-01): Deputy Manager-Purchase & Stores**

1. General Studies, Quantitative, Reasoning etc
2. Materials Management
3. Export and Import Policy and Procedures

4. Duties & Taxes – GST
5. Inventory Management
6. Contract Act
7. Sales of goods Act
8. e-procurement
9. Capital Budgeting and relevant Mercantile Acts
10. CVC guidelines & General Financial Rules
11. Public Procurement Policy
12. Purchase procedure in PSUs

(Sd-)  
NSIL Administration