

NATIONAL REMOTE SENSING CENTRE  
**ADVERTISEMENT NO.NRSC/RMT/3/2017 DATED 20.05.2017**

**Name of the Post: Technician – B (Machinist)**

**Post Code: TB 6**

**SYLLABUS – WRITTEN TEST**

Type of Examination	:	Objective Type (Multiple Choice Questions)
No. of Questions	:	80 Questions
Apportionment of marks	:	Each Question carries one mark
Duration of Examination	:	02 Hours

**Qualification Requirement: ITI/NTC/NAC in Machinist Trade**

*(Examination will broadly comprise of below mentioned topics as covered in ITI/NTC/NAC in Machinist trade)*

1. Hand tools and its Importance
2. Classification and uses of chisels, files and vices, micrometer, depth gauge
3. Types of cutting tools
4. Shaping
5. Slotting machine, its tools and sprocket cutting calculations
6. Forging tools, types and its importance.
7. Lathe operation, its tools, angles and uses. CNC and conventional
8. Milling machine operation, types of milling
9. Indexing and calculation of various types of Indexing
10. Gear Introduction, spur gear calculations, curves and their uses, gear tooth of different forms
11. Grinding machine types, specifications and their parts, types of abrasives and their uses.
12. Thread and screw cutting on lathe
13. Pillar drill machine and its applications
14. Interchangeability – Limits, fits, tolerances and allowances
15. Cutting speed and feed for various machining operations, calculation of machining time
16. Lubricants and coolants
17. Quality Control types and measurements of testing, gear and error
18. Engineering Drawing
19. Workshop Science and Calculation
20. Heat treatment processes such as annealing, normalizing, tempering, hardening.
21. CNC operations