

**DETAILED SYLLABUS FOR THE POST OF MATE (MINES)**  
**(KERALA MINERALS AND METALS LIMITED) - DIRECT**  
**RECRUITMENT**

**CAT.NO: 153/2023**

<b>SN</b>	<b>Contents</b>	<b>Marks</b>
1.	<b>Opening up:</b> Elementary about opening the deposits by Opencast and Underground mining	<b>10</b>
2.	<b>Drilling:</b> Elementary of drilling practices in mines.	<b>10</b>
3.	<b>Blasting:</b> Practices, transportation and precaution in use of explosives in opencast and underground mines.	<b>10</b>
4.	<b>Loading:</b> Safe Practices for Loading, unloading and transport of mineral/overburden.	<b>10</b>
5.	<b>Benching and sloping of opencast workings:</b> Practices, examination and dressing of the sides; Fencing of opencast workings and other dangerous places.	<b>08</b>
6.	<b>Mines Act, 1952:</b> Provisions in Mines Act for MMR 1961.	<b>07</b>
7.	<b>MMR-1961:</b> Provisions of the Metalliferous Mines Regulations 1961 and Rules made under the Mines Act, 1952 relating to the safety of persons employed in mines in general and to the duties of Mates and Blasters in particular.	<b>10</b>
8.	<b>Underground Mining:</b> Method of development, drifting, stoping, raising, winzing, stowing, etc. in underground mines.	<b>10</b>
9.	<b>Roof and sides Examination:</b> Method of examining hangwall, footwall, roof and sides of working places and roadways etc.	<b>08</b>
10.	<b>Underground Supports:</b> Method of Timbering, pack walling and setting support, withdrawal of supports; fencing of dangerous places.	<b>10</b>
11.	<b>Ventilation:</b> Ventilation and mine gases- elementary.	<b>07</b>

**NOTE: - It may be noted that apart from the topics detailed above, questions from other topics prescribed for the educational qualification of the post may also appear in the question paper. There is no undertaking that all the topics above may be covered in the question paper**