



PUBLIC SERVICE COMMISSION, WEST BENGAL

161-A, S. P. Mukherjee Road, Kolkata – 700 026

COMMON SCREENING TEST FOR RECRUITMENT TO THE POSTS OF 1) GEOLOGIST & 2) MINING OFFICER IN WEST BENGAL GENERAL SERVICE UNDER THE DEPARTMENT OF INDUSTRY, COMMERCE AND ENTERPRISES, GOVERNMENT OF WEST BENGAL VIDE ADVT. NO. 7(1) / 2020 AND ADVT. NO. 7(2) / 2020 RESPECTIVELY HAS BEEN SCHEDULED AS FOLLOWS :

DATE : 22ND JANUARY, 2022 (SATURDAY)

TIME : 11:00 AM TO 12:30 PM

SCHEME OF COMMON SCREENING TEST

1. There will be 100 questions of MCQ type, carrying 1 (one) marks for each question and there will be 1/3rd negative marking for each wrong answer.
2. Duration of examination: 1 hour 30 minutes.
3. The Question Paper will have 3 (three) parts. 1st part consists of English (class X standard— 15 marks), Arithmetic (class X standard) & Reasoning (20 marks) and G.K / Current Affairs (15 marks) to be attempted by all candidates.

2nd part consists of questions on Mining Engineering to be attempted by the candidates having Degree in Mining Engineering / Diploma in Mining Engineering for the posts of Mining Officer.

3rd part consists of questions on Geology / Applied Geology (50 marks) to be attempted by the candidates having degree in Geology / Applied Geology for the posts of Geologists and Mining Officer.

Candidates should attempt 1st part and any of the other 2 (two) parts.



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**SYLLABUS FOR 2ND AND 3RD PART OF COMMON
SCREENING TEST**

1. Syllabi for Mining Engineering (Degree Course) Background for the Post of Mining Officer:-

Since a Degree in Mining Engineering is one of the primary essential qualifications for the concerned post, the syllabi for screening test should cover the entire course structure commencing from 3rd Semester to 8th Semester of the Degree Course in Mining Engineering. However, it should cover inter-alia the following subjects:

- (1) Drilling, Blasting & Rock Mechanics, (2) Mine Surveying, (3) Mining Geology, Mineral Exploration, Resource/Reserve Estimation (4) Mine Development, (5) Surface Mining, Underground Mining for both coal and metalliferous mines, (6) Mine Environmental Engineering (7) Mine Planning & Design (8) Mineral Processing and Fuel Technology, (9) Mine Legislation and Safety, (10) Environmental Aspects of Mining.

2. Syllabi for Geology/Applied Geology (Master's Degree Course) Background Common Syllabus for both the Posts of Mining Officer and Geologist:

The syllabi may cover the following subjects: (1) Geomorphology, (2) Structural Geology and Tectonics, (3) Geochemistry, (4) Igneous & Metamorphic Petrology, (5) Sedimentology, (6) Stratigraphy with special emphasis on Economic Geology (Metal, Non-Metal, Coal, CBM, Petroleum), (7) Mineralogy, (8) Remote Sensing and GIS, (9) Mineral Economics & UNFC Classification (10) Engineering Geology.

NB: The above syllabus is indicative only. Candidates should be prepared to answer any question from essential Qualification / Degree mentioned in the advertisement for the relevant posts.