	<u>General stuc</u>	dy/General I	Hindi/Mining	<u>Enginee</u>	ering	
	ime of	No. of	Maximum	Time	Language	
	bject	Questions	Marks	Period		
	eneral	25	50	2 Hrs.	Hindi &	
Stu	-	0.5	50		English	
	eneral Hindi	25	50	-		
	ning Engineering	100	200	4		
Tot		150	300			
(Ea	ach question will c	-				
			n) Examinat			
	Question Paper		ing Engineeri	ng		
	Time Duration Total Marks	- 03 I - 200				
3.	Total Number of c			on naner w	vill be divided	
in t	two parts - Section	•		• •		
	t will also be comp					
	s compulsory to at	•	• •			
ma	arks. Each question	on will be of 4	0 Marks.			
		APPE	NDIX-5			
	<u>Syllabus</u>	for Prelimir	nary/Main Ex	aminatio	<u>1</u>	
	General St	tudy (For Pr	eliminary Ex	aminatio	<u>n)</u>	
1.	General Science	e (High Scho	ol Standard)	1		
2.	History of India					
3.	Indian National	dian National Movement				
4.	Indian Polity, Eco	n Polity, Economy & Culture				
5.	Indian Agricultur	re, Commerc	e & Trade			
6.	World Geograph	ny & Indian (Geography &	Natural r	esources of	
	India.					
7.	Current National	I and Interna	ational Impo	rtant ever	its.	
Β.	Logic & Reason	ning based o	n General In	telligence		
	Specific knowled		-		-	
	Industry Trade, L	•				
	Elementary Math	hematics up	to 8th level	:- Arithme	etic, Algebra	
	and Geometry.					
11.	Ecology and Env					
0		<u>lindi (For Pro</u>	eliminary Ex	amination	<u>ו)</u>	
	वेलोम					
	गक्य एवं वर्तनी—शुदि >					
	अनेक शब्दों (वाक्यांश	•	त्र शब्द			
	तत्सम एवं तद्भव शव					8
	वेशेष्य और विशेषण					
	ग्यायवाची शब्द					
	सन्धि एवं समास					
	उपसर्ग-प्रत्यय					
9. मृ	मुहावरे एवं लोकोक्ति					
	Mining Enginee			ain Exami	<u>nation)</u>	
1.	Mining Geology					
	Physical Geology	·	n of earth's ir	nterior, eai	thquake and	
	volcano, weathering	•				
	Mineralogy-Phys			rals, ider	tification of	
	minerals, Mohs so	cale of hardne	ess.			
	Petrology- Basics	s of igneous,	sedimentary a	and metam	orphic rocks.	
	Structural geology	/- Dip and stri	ke, folds, fault	ts, joints, jo	pint sets.	
	Stratigraphy- Ge	eologic time	scale, classi [.]	fication of	Indian rock	
	formations, fossils	s and their use	es.			
	Economic geolog	gy-Origin of	coal, classifi	cation of I	ndian coals,	9.
L.,						

Indian coal deposits, classification of ore deposits, Indian mineral wealth, mineral prospecting, sampling methods.

2. Mine Surveying

Principles of surveying. Distance measurement techniques. Chain surveying. Computation of area and volume. Underground surveying principles. Levelling instrumentation and techniques. Mine rescue-Apparatus and operation. Rescue rules.

Mine recovery-Procedure.

10. Mine Legislation and Safety

Mine legislation-Mines Act, Mines Rules, Coal Mines Regulations, Workmen's Compensation Act.

Mine safety-Accidents in mines and their prevention. Occupational diseases.

Secretary

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