<u>General stue</u>	dy/General I	Hindi/Mining	<u>Enginee</u>	ering		
Name of	No. of	Maximum	Time	Language		
subject	Questions	Marks	Period			
General	25	50	2 Hrs.	Hindi &		
Study			-	English		
General Hindi	25	50	-			
Mining Engineering	100	200				
Total	150	300				
(Each question will c	-					
<u>I</u>	Main (writtei	<u>n) Examinati</u>	ion			
1. Question Paper		ing Engineeri	ng			
2. Time Duration	- 03 ł					
3. Total Marks	- 200			بنالهم طنينامط		
Total Number of of in two parts - Section	•					
& it will also be comp						
It is compulsory to at	•	• •			ļ	
marks. Each questio				<i>y</i> 1	l	
•		NDIX-5				
Syllabus		nary/Main Ex	aminatio	า	l	
		eliminary Ex				
1. General Science						
2. History of India	(	,				
3. Indian National	Movement					
4. Indian Polity, Ec		lture			- <b>3</b> - <b>3</b> - <b>3</b> - <b>3</b> - <b>3</b> - <b>3</b> - <b>4</b> - <b>5</b> - <b>6</b> - <b>7</b> -	
5. Indian Agricultur	-				l	
6. World Geograph			Natural r	esources of		
India.	,	5 <u>5</u>				
7. Current Nationa	I and Interna	ational Impo	rtant even	its.		
8. Logic & Reason		•			ļ	
9. Specific knowle	-		-			
Industry Trade, I	• •	•		•	l	
10. Elementary Mat	•					
and Geometry.	•				l	
11. Ecology and En	vironment.					
•••		eliminary Ex	amination	<u>ר)</u>	l	
1. विलोम						
2. वाक्य एवं वर्तनी—शुब्	द्व					
3. अनेक शब्दों (वाक्यांश	ग) के लिए एक	न् शब्द				
4. तत्सम एवं तद्भव श					8	
<ol> <li>विशेष्य और विशेषण</li> </ol>					<b>`</b>	
<ol> <li>पर्यायवाची शब्द</li> </ol>						
7. सन्धि एवं समास						
8. उपसर्ग-प्रत्यय						
9. मुहावरे एवं लोकोक्ति	ायाँ					
Mining Enginee		eliminarv/Ma	ain Exami	nation)		
1. Mining Geology						
Physical Geology		•••	nterior ear	thouake and		
volcano, weatheri				anguarte anu		
Mineralogy-Phys	•	ties of mine	rals. iden	tification of		
minerals, Mohs so						
Petrology- Basics			and metam	ornhic rocks		
Structural geology	•	-		•		
Stratigraphy- Ge	•					
formations, fossils	•					
Economic geolog			cation of I	ndian coole	0	
	gy-Ongin of				9.	

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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