

8- منظور شدہ سلیبس برائے ریسرچ آفیسر (بی-17) نکلہ سنٹرل ڈیزائن

تعمیری قابلیت۔ ایم ایس سی بیالوجی انجینئرنگ یا بی ایس سی انجینئرنگ ہول

سلیبس: کیشن نے نکلہ سنٹرل ڈیزائن کی طرف سے ریسرچ آفیسر بی-17 کی اسامی کے MCQ ٹیسٹ کے لئے تجویز کردہ بذیل سلیبس مقرر کیا ہے۔

1	<u>Soil Mechanics</u>	<u>50 MCQs</u>
	Soil formation, Soil types and deposits, Soil texture and structure, Basic physical and index properties of soil, Consistency of soil, Soil classification, Sheer strength of soil, California Bearing Ratio (CBR), Compaction and Consolidation, Permeability and Seepage, Lateral earth pressure and Stability of slopes, Geotechnical investigations, Liquefaction, Bearing capacity of foundations, Factors to consider for foundation design, Settlement Analysis.	
2	<u>Construction Material and Testing</u>	
	<u>2.1 Concrete</u>	<u>25 MCQs</u>
	Properties and testing of material used in concrete including steel, Concrete mix design, workability of concrete, Admixtures, Strength of concrete including its testing, Testing of hardened concrete.	
	<u>2.2 Road Pavements</u>	<u>25 MCQs</u>
	Types of pavements, Properties and testing of materials used in all types of road pavements, Field and Laboratory tests to evaluate the strength of pavement.	