



**FEDERAL PUBLIC SERVICE COMMISSION**  
**COMPETITIVE EXAMINATION FOR**  
**RECRUITMENT TO POSTS IN BS-17**  
**UNDER THE FEDERAL GOVERNMENT, 2015**

**Roll Number**

**GEOLOGY, PAPER-II**

<b>TIME ALLOWED: THREE HOURS</b>	<b>PART-I (MCQS)</b>	<b>MAXIMUM MARKS = 20</b>
<b>PART-I(MCQS): MAXIMUM 30 MINUTES</b>	<b>PART-II</b>	<b>MAXIMUM MARKS = 80</b>
<b>NOTE: (i) Part-II is to be attempted on the separate Answer Book.</b>		
<b>(ii) Attempt ONLY FOUR questions from PART-II. ALL questions carry EQUAL marks.</b>		
<b>(iii) All the parts (if any) of each Question must be attempted at one place instead of at different places.</b>		
<b>(iv) Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q.Paper.</b>		
<b>(v) No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.</b>		
<b>(vi) Extra attempt of any question or any part of the attempted question will not be considered.</b>		

**PART-II**

- Q. No. 2.** Compare the geological conditions responsible for the formation of coal, oil, and natural gas. **(20)**
- Q. No. 3.** Discuss the Geological factors in hydro power projects. **(20)**
- Q. No. 4.** Discuss the Uranium mineralization in Siwalik fluvial depositional system of Pakistan. **(20)**
- Q. No. 5.** Give a detailed account of the types of landslides, the causative factors and the methods to prevent landslides. **(20)**
- Q. No. 6.** Discuss the various laboratory and field tests carried out to determine the engineering properties of rocks. **(20)**
- Q. No. 7.** Discuss the lithostratigraphic units of Salt range regarding the raw materials for cement industry. **(20)**
- Q. No. 8.** Write notes on any **TWO** of the following **(10 each) (20)**
- (a) Path finders in geochemical exploration
- (b) Evaporite mineral deposits
- (c) C14 dating

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