FEDERAL PUBLIC SERVICE COMMISSION
COMPETITIVE EXAMINATION-2023
FOR RECRUITMENT TO POSTS IN BS-17
UNDER THE FEDERAL GOVERNMENT

Roll Number

GEOLOGY

TIME ALLOWED: THREE HOURS **PART-I(MCQS): MAXIMUM 30MINUTES**	**PART-I (MCQS) MAXIMUM MARKS = 20** **PART-II MAXIMUM MARKS = 80**

NOTE: (i) **Part-II** is to be attempted on the separate **Answer Book.**

(ii) Attempt **ONLY FOUR** questions from **PART-II** by selecting **TWO** questions from **EACH SECTION. All** questions carry **EQUAL** marks.

(iii) All the parts (if any) of each Question must be attempted at one place instead of at different places.

(iv) Write Q. No. in the Answer Book in accordance with Q. No. in the Q.Paper.

(v) No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.

(vi) Extra attempt of any question or any part of the question will not be considered.

PART-II
SECTION-I

Q. No. 2. Discuss the history and components of the geological time scale. **(20)**

Q. No. 3. Discuss the trilobites and their significance in Paleozoic stratigraphy. **(20)**

Q. No. 4. Write a comprehensive note on the IUGS classification of volcanic rocks. **(20)**

Q. No. 5. How salt can be identified in the field? Discuss the stratigraphic, physiographic, and geometric criteria. **(20)**

SECTION-II

Q. No. 6. Discuss in detail the mostly applied geophysical techniques in mineral exploration. **(20)**

Q. No. 7. Explain the primary and secondary migration of Hydrocarbons. **(20)**

Q. No. 8. What are mostly conducted modes of subsurface investigations at darn sites Discuss comprehensively with figures where required. **(20)**

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