



ROLL NO

PUNJAB PUBLIC SERVICE COMMISSION
COMBINED COMPETITIVE EXAMINATION
FOR RECRUITMENT TO THE POSTS OF
PROVINCIAL MANAGEMENT SERVICE, ETC -2023
CASE NO. 1C2024

SUBJECT: GEOLOGY (PAPER-II)

TIME ALLOWED: THREE HOURS

MAXIMUM MARKS: 100

NOTE:

- i. All the parts (if any) of each Question must be attempted at one place instead of at different places.
- ii. Write Q. No. in the Answer Book in accordance with Q. No. in the Q. Paper.
- iii. No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
- iv. Extra attempt of any question or any part of the question will not be considered.

NOTE:

Attempt any FIVE Questions in all. Attempt in Urdu or English.

- Q No. 1:** Write a note on Uranium deposits of Pakistan. **(20 Marks)**
- Q No. 2:** Discuss the fundamental principles of Engineering Geology. **(20 Marks)**
- Q No. 3:** Describe the distribution of groundwater? Write down about ground water as one of the most valuable natural resources? **(20 Marks)**
- Q No. 4:** What is the difference between fracture and joints? Discuss importance of fracture and joint analysis? **(20 Marks)**
- Q No. 5:** Explain application of GIS and Remote sensing in mineral exploration. **(20 Marks)**
- Q No. 6:** What is raster and vector data? Write a difference between raster and vector data models. **(20 Marks)**
- Q No. 7:** Discuss in detail the concept and terminology of faults. Discuss criteria for identification of faults. **(20 Marks)**
- Q No. 8:** Discuss in detail classification, origin and occurrence of Conglomerates. **(20 Marks)**