

PUNJAB PUBLIC SERVICE COMMISSION

COMBINED COMPETITIVE EXAMINATION FOR RECRUITMENT TO THE POSTS OF PROVINCIAL MANAGEMENT SERVICE, ETC -2021 CASE NO. 3C2022

SUBJECT: GEOLOGY (PAPER-II)

TIME ALLOWED: THREE HOURS

MAXIMUM MARKS: 100

NOTE:

- All the parts (if any) of each Question must be attempted at one place instead of at different places.
- i. 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: Discuss Geology of the Permian Sequence of the Salt Range of the Pakistan?

(20 Marks)

Q No. 2: Define basin? Describe different types of basin margins with examples?

(20 Marks)

Q No. 3: Describe the following:

(10+10=20 Marks)

- a. Internal structure of Earth
- b. Remote sensing and GIS significance in geology
- Q No. 4: What is fault and its framework? Explain it with the help of sketches. Discuss Different types of faults and their characteristic features? (20 Marks)
- Q No. 5: Explain the classification of sandstone and their characteristic features?

(20 Marks)

Q No. 6: What is continental drift theory? Explain it with the help of different evidences?

(20 Marks)

- Q No. 7: Define Dam and its types? Discuss geological investigations for the selection of a dam-site?
- Q No. 8: Write short notes on following:

(5X4=20 Marks)

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- a. Cross bedding
- b. Geothermal energy
- c. Igneous rocks
- d. landslides

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