

PUNJAB PUBLIC SERVICE COMMISSION

COMBINED COMPETITIVE EXAMINATION FOR RECRUITMENT TO THE POSTS OF PROVINCIAL MANAGEMENT SERVICE -2020

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.
- ii. Write Q. No. in the Answer Book in accordance with Q. No. in the Q. Paper.
- 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.

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

- Q No. 1: Describe the theories regarding the Origin of Earth, also describe the Internal (20 Marks)
 Structure of the Earth.
- Q No. 2: Define Drainage Pattern and discuss different types of drainage patterns. (20 Marks)
- Q No.3: Describe the followings (20 Marks)
 - a) Earth Satellite Systems for remote sensing
 - b) Principals of Stratigraphy
- Q No. 4: Describe the scientific reasons for climate changing phenomenon and discuss (20 Marks) the theories regarding climate change.
- Q No. 5: Describe fossil, fossilization and discuss the modes of fossil preservation. (20 Marks)
- Q No. 6: Differentiate between fracture and joint, and describe the Genetic (20 Marks)

 Classification of Joints.
- Q No.7: Define Igneous Rocks and describe the classification of Igneous Rocks, with (20 Marks) examples, on the basis of chemical composition.
- Q No. 8: Write notes on the followings:-
 - Dam site investigation
 - b) Uranium and Strategic metals
 - c) Clastic Sedimentary Rocks
 - d) Geothermal Energy

(4x5=20 Marks)

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