



# UNIVERSITY OF THE PUNJAB

Seventh Semester – 2019

Examination: B.S. 4 Years Program

Roll No. in Fig. ....

Roll No. in Words. ....

PAPER: Palaeontology

Course Code: ZOOOL-403 Part-I (Compulsory)

MAX. TIME: 15 Min.

MAX. MARKS: 10

Signature of Supdt.:

**Attempt this Paper on this Question Sheet only.**

**Please encircle the correct option. Division of marks is given in front of each question.**

**This Paper will be collected back after expiry of time limit mentioned above.**

**Q.1. Encircle the right answer, cutting and overwriting is not allowed. (1x10=10)**

- (i) SLATE is the metamorphic form of  
a. Shale                      b. Quartz                      c. Mudstone                      d. Sandstone
- (ii) The conversion of plant fossilized material into coal is called  
a. Stratification                      b. Impression                      c. Sedimentation                      d. Fossilization
- (iii) Mammals are index fossils of Era  
a. Paleozoic                      b. Mesozoic                      c. Cenozoic                      d. Archaeozoic
- (iv) The IGNEOUS rocks produced by LAVA called  
a. Plutonic                      b. Volcanic                      c. Contact                      d. Regional
- (v) The geological changes underwent on earth are documented as  
a. Era                      b. Period                      c. Eon                      d. Epoch
- (vi) The four glaciation events are reported in the Epoch  
a. Pleistocene                      b. Holocene                      c. Miocene                      d. Pliocene
- (vii) First record of Proboscidea is known as  
a. *Protylopus*                      b. *Protomeryx*                      c. *Mammuthus*                      d. *Moeritherium*
- (viii) The basal type in Horse Evolution is known as  
a. *Hipparion*                      b. *Hyracotherium*                      c. *Pliohippus*                      d. *Sivalhippus*
- (ix) The fossils are mostly found in the \_\_\_\_\_ rocks  
a. Sedimentary                      b. Plutonic                      c. Metamorphic                      d. Volcanic
- (x) The crust and upper most part of the mantle constitutes the \_\_\_\_\_  
a. Hydrosphere                      b. Biosphere                      c. Lithosphere                      d. Atmosphere



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Roll No. ....

PAPER: Palaeontology

Course Code: ZOO-403 Part – II

MAX. TIME: 2 Hrs. 45 Min.

MAX. MARKS: 50

**ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED**

Q.2. Define the Following Terms: [10 x 2 = 20]

- |                    |                         |
|--------------------|-------------------------|
| 1. Mineralization  | 2. <i>Pliohippus</i>    |
| 3. <i>Eohippus</i> | 4. Geosphere            |
| 5. Silurian Period | 6. Azoic Era            |
| 7. Gastroliths     | 8. Paleomagnetism       |
| 9. STRATIFICATION  | 10. <i>Moeritherium</i> |

Q. 3. WRITE NOTES ON THE FOLLOWINGS: [30]

- |                                  |      |
|----------------------------------|------|
| a. PRECAMBRIAN life              | {10} |
| b. Evolutionary history of HUMAN | {10} |
| c. CARBON Dating                 | {10} |