PD-397 CV-19
(583) M.Sc. GEOLOGY (THIRD SEMESTER)
Examination Dec.-2020
Compulsory/Optional
Group -
Paper - I

Name/Title of Paper- PALAEONTOLOGY
Time:- Three Hours **Maximum Marks- 080**
Minimum Passing Marks-029

नोट : तीनों खण्डों से निर्देशानुसार उत्तर दीजिए। प्रश्नों के अंक उनके दाहिनी ओर अंकित है।
Note: Answer From All the Section as Directed. The Figures in the right-hand margin indicate marks.

Section-A

1. Answer the following questions: **1x10=10**

(a) Define fossil?
(b) What is palaeontology?
(c) How many valves occur in lamellibrancheas ?
(d) Name index fossil which belongs to gastropoda?
(e) Evolution of horses are related with which geological time?
(f) Graptolites belongs to which geological age?
(g) Name any two lower gondwana plant fossils?
(h) Define micropalaeontology?
(i) Name any two micro fossils?
(j) What is foraminifera?

Section-B

2. Answer all questions: **2x5=10**

(a) Throw light on application of fossil in age determination.
(b) Differential between lamellibrachia and brachiopoda.
(c) Comment on corals.
(d) Differentiate between glassopteris and gongamopteris.
(e) Describe important microfossils.

Section-C

Answer all questions: **12x5=60**

3. Explain in details about modes of fossilization.

Or

Throw light in details on Brachiopod.

4. Give detailed account by morphology, classification, evolutionary trends and geologic and geographic distribution of Trilobita.

Or

Describe morphology, classification, geological history of gastropod.

5. Comment in detail on evolutionary trends of Man.

Or

Describe about origin of major group of vertebrates.

6. Write an essay on Gondwana plant fossils.

Or

Comment in details on siwalik mammalian fauna.

7. Describe; classification, evolution and geological distribution of foraminifers.

Or

Throw light on application of microfossils in straitgraphic correlation, age determination and palaeoenvironmental interpretation.

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