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1. Fill in the blanks with correct answer from the given options:

(10)

- i) ----- are remains of ancient life preserved in rocks.
a) Minerals, b) Palaeosols, c) fossils.
- ii) *Lingula* is an example of _____.
a) Brachiopod, b) Gastropod, c) Cephalopod.
- iii) Peristome are found in -----.
a) Trilobites, b) Echinoids, c) Gastropods.
- iv) Fossils having a short range and wide geographic distribution are called _____.
a) Ichnofossils, b) Index fossils, c) Trace fossils.
- v) The central part of Trilobite is known as -----.
a) Furrow, b) Thorax, c) Pygidium.
- vi) Hemiaster is atype of _____.
a) Gastropod, b) Echinoid, c) transmissivity.
- vii) Lamellibranch shells are made up of -----.
a) Coiled tube, b) two valves, c) conical shell.
- viii) Trilobites belong to -----Phyllum.
a) Protozoa, b) Brachiopoda, c) Arthropoda.
- ix) The pallial line is found in -----.
a) Gastropods, b) Lamellibranchs, c) Trilobites.
- x) The Class Articulata belongs to ----- Phyllum .
a) Brachiopoda, b) Mollusca, c) Echinodermata.
- i) c) fossils
- ii) a) Brachiopod
- iii) b) Echinoids
- iv) b) Index fossils
- v) b) Thorax
- vi) b) Echinoid
- vii) b) two valves
- viii) c) Arthropoda.
- ix) b) Lamellibranchs
- x) a) Brachiopoda.
- xi) i) The conversion of the remains of plants and animals is called -----.
a) petrification, b) imprints, c) preservation.
- xii)ii) _____ is an example of animal microfossils.
a) *Natica*, b) Radiolarian, c) Foraminifera.
- xiii) iii) A spire is the part of -----.
a) Trilobites, b) Lamillibranch, c) Gastropods.
- xiv) iv) -----valve is the larger valve in Brachiopods.
a) Ventral, b) Dorsal, c) Deltidium.
- xv) v) ----- are the scars of the muscles on the inner surface in Pelecypoda.
a) Muscle impressions, b) Adductor impressions, c) Pallial lines.
- xvi) vi) The margin of the aperture in Gastropods is called as ----- .
a) Operculum, b) Callus, c) Peristome.
- xvii) vii) Calymene is a -----.

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- xviii) a) Trilobite, b) Brachiopod, c) Gastropod.
viii) ----- microfossils have shells composed of CaCO_3 .
a) Phosphatic, b) Calcareous, c) Arthropoda.
- xix) ix) Proboscidea is an order of -----.
a) Elephant, b) Horse, c) Man.
- xx) x) Glossopteris is a ----- fossil .
a) Organic, b) Plant, c) Animal.
- i) a) petrification
ii) c) Foraminifera
iii) c) Gastropods
iv) a) Ventral
v) b) Adductor impressions
vi) c) Peristome
vii) a) Trilobite
viii) b) Calcareous.
ix) a) Elephant
x) b) Plant.
- i) ----- microfossils have shells composed of CaCO_3 .
a) Phosphatic, b) Calcareous, c) Arthropoda.
- ii) Preservation of soft parts is called -----.
a) mould and cast, b) imprints, c) petrification.
- iii) Nautilus belongs to the class -----.
a) Cephalopoda, b) Gastropoda, c) Trilobita.
- iv) Proboscidea is an order of -----.
a) Elephant, b) Horse, c) Man.
- v) Cephalon is found in -----.
a) Trilobites, b) Lamillibranch, c) Gastropods.
- vi) ----- is an example of Echinodermata.
a) Calymene, b) Trochus, c) Hemiaster.
- vii) ----- are the scars of the muscles on the inner surface in Pelecypoda.
a) Muscle impressions, b) Adductor impressions, c) Pallial lines.
- viii) Goniatic suture is found in----- .
a) Ammonoids, b) Conus, c) Trigonia.
- ix) Calymene is a -----.
a) Trilobite, b) Brachiopod, c) Gastropod.
- x) Glossopteris is a ----- fossil .
a) Organic, b) Plant, c) Animal.
- i) b) Calcareous
ii) b) imprints
iii) a) Cephalopoda

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- iv) a) Elephant
- v) a) Trilobites
- vi) c) Hemiaster
- vii) b) Adductor impressions
- viii) a) Ammonoids.
- ix) a) Trilobite
- x) b) Plant.

2. Attempt any TWO of the three sub-questions :

(20)

- A) Describe the Morphology, geological distribution and age of Brachiopods.
- B) Describe the Morphology, geological distribution and age of Trilobites.
- C) Write a detailed note on evolution of Man.
- A) Describe the Morphology, geological distribution and age of Glossopteris.
- B) Describe the Morphology, geological distribution and age of Gangmopteris.
- C) Write a detailed note on evolution of Horse.
- A) Describe the Morphology, geological distribution and age of Pelecypods.
- B) Describe the Morphology, geological distribution and age of Brachiopods.
- C) Write a detailed note on evolution of Horse and Elephant.

3. Write short notes on any four :

(20)

- a) Morphology of Cephalopods.
- b) Geological distribution of Echinoidea.
- c) Morphology and age of Gangmopteris.
- d) Microfossils.
- e) Conditions of fossilization.
- f) Significance of fossils.
- a) Morphology of Brachiopods.

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- b) Geological distribution of Cephalopods.
- c) Morphology and age of Pelecypods.
- d) Significance of fossils.
- e) Conditions of fossilization.
- f) Modes of preservation.

- g) Morphology of Echinoidea.
- h) Significance of Foraminifera.
- i) Morphology and age of Glossopteris.
- j) Distribution and age of Ptilophyllum.
- k) Binomial nomenclature in taxonomy.
- l) Modes of preservation.
