

GOVERNMENT ZIRTIRI RESIDENTIAL SCIENCE COLLEGE

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2020
6th Semester
Core Course - XVII
Palaeontology & Stratigraphy – II
Full marks: 40

PART - A

Choose the correct answer

1x25=25

UNIT – I

1. The naming of the organism in scientific terms is known as
 - a) Binomial nomenclature
 - b) Trinomial nomenclature
 - c) Scientific nomenclature
 - d) All of the above
2. The study of how organisms decay and become fossilized is known as
 - a) Palaeontology
 - b) Taphonomy
 - c) Palaeobiology
 - d) Invertebrate Palaeontology
3. What is another widely used name for the Cretaceous-Tertiary boundary?
 - a) C-T boundary
 - b) K-T boundary
 - c) X-T boundary
 - d) CX-X boundary
4. What do scientists consider the biggest factor affecting the Holocene Extinctions?
 - a) Volcanic eruptions
 - b) Climate change
 - c) Humans
 - d) Risk of comet or asteroid impacts on Earth
5. The result and investigations undertaken to determine what the climate and vegetation were like at a particular time and place in the past is called as
 - a) Palaeogeography
 - b) Palaeo environment reconstruction
 - c) Palaeobotany
 - d) Palaeozoology

UNIT – II

6. The best known horse of Eocene is
 - a) Orohippus
 - b) Eohippus

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- c) Merichyppus
- d) Equus
7. Hipparian was the horse of
 - a) Lower Pliocene
 - b) Upper pliocene
 - c) Eocene
 - d) Oligocene
8. Man appeared in
 - a) Tertiary era
 - b) Proterozoic era
 - c) Quarternary era
 - d) None of the above
9. What is the earliest and best known ancestor of elephant?
 - a) Phiomia
 - b) Palaeomastodon
 - c) Moeritherium
 - d) Dinotherium
10. Ptilophyllum flora is the characteristic of
 - a) Cold climate
 - b) Marine climate
 - c) Hot and dry climate
 - d) Dry climate

UNIT – III

11. The study of fossils under microscope includes
 - a) Micropalaeontology
 - b) Invertebrate zoology
 - c) Palaeoecology
 - d) All of the above
12. Palynology is the study of
 - a) Fossils
 - b) Microfossils
 - c) Fossil pores and pollen
 - d) None of the above
13. Shell of foraminifera is made up of
 - a) Calcareous material
 - b) Arenaceous material
 - c) Chitinous material
 - d) All of the above
14. Foraminifera belongs to the phylum
 - a) Protozoa
 - b) Arthropoda
 - b) Crustacean
 - c) Coenlenterate
15. Arenaceous test is present in
 - a) Textularia
 - b) Endothyra
 - c) Orbitolins
 - d) All of the above

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UNIT - IV

16. Zewan beds are found in
a) Kashmir
b) Himachal Pradesh
c) Gujarat
d) Meghalaya
17. Main boundary fault separates between
a) Archean from Dharwars
b) Upper Gondwana from lower Gondwana
c) Siwalik from lower Himalaya
d) None of the above
18. Most widely distributed rocks in India
a) Archeans
b) Vindhya
c) Gondwana
d) Deccan traps
19. Core of the Himalayan Mountain is made up of
a) Archean rocks
b) Siwaliks
c) Murrees
d) None of the above
20. Eparchean unconformity separates
a) Kurnool from Cuddapah
b) Archean from younger formations
c) Delhi from Aravallis
d) None of the above

UNIT - V

21. Mikir hills are situated in
a) Bihar
b) Madhya Pradesh
c) Meghalaya
d) Orissa
22. Neogene succession of Mizoram is
a) Proterozoic era
b) Mesozoic era
c) Cenozoic era
d) Palaeozoic era
23. Tertiary coal is mostly pulverized in nature because of
a) Tectonic disturbance
b) The higher sulphur content
c) Both (a) and (b)
d) None of the above
24. Thickest series of Jurassic of Kutch system is
a) Patcham
b) Chari
c) Katrol
d) Umia

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25. The Trichinopoly group belongs to the geological period of

- a) Carboniferous
- b) Late cretaceous
- c) Triassic
- d) Miocene

Fill in the blanks

1x15=15

1. The fossil record of horse begins with -----
2. In foraminifera teeth are present in -----
3. Vindhyan system belongs to the ----- era
4. The Gondwana of singrauli coal field is mainly the deposition of ----- stage
5. The age of Cuddapah rock is -----
6. Great ice age is a term used for -----
7. The most ancient ancestors of man seem to have appeared during-----
8. Which was the first horse in old word -----
9. In Cuddapah basin metamorphism increases from -----
10. Gangmopteris beds are of ----- age
11. Nayveli lignite deposit is of ----- age
12. Depositional environment of siwalik was -----
13. Raialo series is underlain by -----
14. Age of saline series is considered as -----
15. Mizoram is ----- basin

ANSWER KEY

PART – A Multiple choice questions

- | | | | | |
|-------|-------|-------|-------|-------|
| 1. a | 2. b | 3. b | 4. b | 5. b |
| 6. b | 7. b | 8. c | 9. c | 10. c |
| 11. a | 12. c | 13. d | 14. a | 15. a |
| 16. a | 17. a | 18. a | 19. a | 20. b |
| 21. a | 22. c | 23. a | 24. d | 25. b |

PART – B Fill in the blanks

- | | | |
|-------------------------|----------------------|-------------------|
| 1. Hyracotherium | 2. Aperture | 3. Proterozoic |
| 4. Barakar | 5. 1.4 billion years | 6. Pleistocene |
| 7. Pliocene | 8. Eohippus | 9. East-West |
| 10. Upper Carboniferous | 11. Tertiary | 12. Shallow water |
| 13. Arravalis | 14. Cretaceous | 15. Sedimentary |