

DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE ASKED TO DO SO

TEST BOOKLET

Sl. No. 00224

Subject Code : 10

Subject : Geography

LECTURERS FOR NON-GOVT. AIDED COLLEGES OF ODISHA

Time Allowed : 3 Hours

Maximum Marks : 165

: INSTRUCTIONS TO CANDIDATES :

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS TEST BOOKLET CONTAINS 31 PAGES AND DOES NOT HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET.
2. You have to enter your Roll No. on the Test Booklet in the Box provided alongside. DO NOT write anything else on the Test Booklet. 

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3. The Test Booklet contains 165 questions. Each question comprises four answers. You have to select the correct answer which you want to mark (darken) on the Answer Sheet. In case, you feel that there is more than one correct answer, you should mark (darken) the answer which you consider the best. In any case choose ONLY ONE answer for each question. If more than one answer is darkened it will be considered as wrong.
4. You have to mark (darken) all your answers ONLY on the separate OMR Answer Sheet provided, by using BLACK BALL POINT PEN. You have to do rough work on the space provided in the Test Booklet only. See instruction in the Answer Sheet.
5. All questions carry equal marks, i.e. of one mark for each correct answer and each wrong answer will result in negative marking of 0.25 mark.
6. Before you proceed to mark (darken) in the Answer Sheet the answers to various questions in the Test Booklet, you have to fill in some particulars in the Answer Sheet as per the instructions in your Admit Card.
7. After you have completed filling in all your answers on the Answer Sheet and after completion of the examination, you should hand over to the Invigilator the Original Answer Sheet (OMR Answer Sheet) issued to you. You are allowed to take with you the candidate's copy/second page of the Answer Sheet along with the Test Booklet after completion of the examination for your reference.

SEAL

Candidate's full signature

Invigilator's signature

RS - 14/25

(Turn over)

2018

1. What drives Plate tectonics ? (B) The Mantle
- (A) Thermal conduction (C) The Crust
- (B) Thermal convection (D) The outer core
- (C) Solar Energy
- (D) Oceanic waves
2. Which of the following statement is true ?
- (A) The lithosphere contains the crust
- (B) The crust contains the lithosphere
- (C) Both lithosphere and crust are the same
- (D) Lithosphere and the crust are two separate layers of the earth
3. Earth's crust is broken into many tectonic parts called :
- (A) Sial
- (B) Sima
- (C) Continents
- (D) Plates
4. Convection currents take place in :
- (A) The Inner core
5. Which of the following statements is true ?
- (A) Uppermost layer of the earth is hotter than its immediate layer below
- (B) Some plates are mobile while others are fixed
- (C) Volcanic eruptions originate from inner core
- (D) Sial and Sima together form earth's crust
6. The Moho discontinuity separates :
- (A) The outer core from the inner core
- (B) The asthenosphere from the mesosphere
- (C) The crust from the mantle
- (D) The Lithosphere from the asthenosphere

7. Given below are Pratt's views on isostatic balance. Find out the correct option :
- (A) Uniform density of crustal material  
 (B) Taller landmass has higher density  
 (C) Inverse relationship between height and density  
 (D) Columns project down into the asthenosphere depending upon the proportions of the column
8. At convergent plate boundaries where oceanic and continental crust meet :
- (A) No associated volcanism occurs  
 (B) Oceanic crust is subducted  
 (C) Continental crust is subducted  
 (D) Oceanic crust is created
9. What is a shield volcano made of ?
- (A) Basic lava  
 (B) Acidic lava  
 (C) Intrusive rocks  
 (D) Ash and cinders
10. Walter Penck held the view that uplifting and denudation of a landform takes place :
- (A) One after the other  
 (B) At the same time  
 (C) Due to human interference  
 (D) Due only to running water
11. Diastrophism refers to a force that is :
- (A) Rapid movement  
 (B) Sudden movement  
 (C) Slow movement  
 (D) Both rapid and slow movement
12. Consider the following statements and find the correct answer from the codes given after the statements :
- (a) Epeirogenic movements do not bring any changes in the horizontal rock strata.  
 (b) Forces of tension work horizontally, but in opposite directions  
 (c) Rift valleys with steep parallel walls along the fault are called as Horst  
 (d) Orogenic movements bring a lot of disruptions to the horizontal layer of strata
- Codes :
- (A) Only (c) is correct  
 (B) Only (a) and (c) are correct  
 (C) (a), (b) and (d) are correct  
 (D) Only (d) is correct

13. An example of intrusive igneous rocks is :
- (A) Granite
  - (B) Basalt
  - (C) Marble
  - (D) Slate
14. Fundamental difference between weathering and erosion is :
- (A) Weathering occurs in place whereas erosion involves movement to a new location
  - (B) Weathering involves chemical changes, while erosion involves only physical changes
  - (C) No difference between the two processes
  - (D) The factors involved are drastically different
15. Mushroom Rock landforms are produced by the action of :
- (A) Running water
  - (B) Underground water
  - (C) Wind
  - (D) Waves and tides
16. Tsunami refers to :
- (A) Series of waves caused by earthquake
  - (B) Type of Japanese rock
  - (C) A kind of cyclonic development
  - (D) Japanese earthquake
17. Narrow valley with steep sides is known as :
- (A) Wadis
  - (B) Oasis
  - (C) Pediment
  - (D) Canyons
18. An isolated hill or mountain rising abruptly from a plain is known as :
- (A) Meander
  - (B) Cirque
  - (C) Inselberg
  - (D) V shaped valley

19. The 'Pacific Ring of Fire' is associated with :
- (A) Thermal power stations around Pacific ocean
  - (B) Volcanoes and earthquake
  - (C) Oil well refineries near Pacific ocean
  - (D) Mid oceanic ridge in Pacific ocean
20. Which one of the following is a topographic feature of a Karst topography formed in the surface ?
- (A) Caverns
  - (B) Stalactites
  - (C) Swallow holes
  - (D) Stalagmites
21. When magma is deposited in a wave like form, it is called ?
- (A) Lapolith
  - (B) Laccolith
  - (C) Phalcolith
  - (D) Sill
22. A series of sharp, irregular rock crest, separated from one another by deep grooves formed by erosional work of wind is known as :
- (A) Mushroom
  - (B) Zeugen
  - (C) Yardang
  - (D) Inselberg
23. Biodiversity :
- (A) Increases towards equator
  - (B) Decreases towards equator
  - (C) Remains same throughout the planet
  - (D) Has no effect of latitude
24. Most important organisms for an eco-system are the :
- (A) Herbivores
  - (B) Carnivores
  - (C) Green plants
  - (D) Protozoa
25. The soil that develops **in situ** above parent bedrock is known as :
- (A) Embryonic soil
  - (B) Eolin soil
  - (C) Sedentary soil
  - (D) Secondary soil

26. Which of the following trophic level is occupied by the herbivores ?
- (A) First
  - (B) Second
  - (C) Third
  - (D) Fourth
27. What happens to the amount of energy in an eco-system passing from one trophic level to the other ?
- (A) It increases
  - (B) It decreases
  - (C) Remains constant
  - (D) Increases followed by a decrease
28. Ramsar Convention is associated with :
- (A) Forests
  - (B) Deltas
  - (C) Wetlands
  - (D) Deserts
29. Which type of soil has the maximum water retention capacity ?
- (A) Red soil
  - (B) Regur soil
  - (C) Laterite soil
  - (D) Desert soil
30. Identify the **incorrect** answer from the given options :
- (A) Many animals are part of more than one food chain
  - (B) Food pyramids show the gain of energy from one trophic level to another
  - (C) Decomposition is the breakdown of organic wastes and dead organisms
  - (D) Energy flow in an ecosystem is the transfer of energy from one organism to another
31. Which one of the following statement is **not** a characteristic of Biomes ?
- (A) Biomes are strongly influenced by rainfall/precipitation and temperature
  - (B) Biomes are small in geographical size, not covering vast distances
  - (C) Biomes are strongly influenced by the factor of latitude
  - (D) Examples of Biomes include tropical rainforest, Tundra

32. Which of the following statement(s) is/are correct ?

- (a) Ecological foot print is the minimum area of land required to completely sustain life of an individual or a population
- (b) Chipko movement was an ecological movement aimed at protecting trees and forests
- (c) Wetlands are defined as geographical areas receiving excessive rainfall
- (d) Ecological succession refers to orderly sequence of change in the vegetation of an area overtime

Choose the **correct answer** from the **codes** below :

- (A) Only (a) and (c) are correct
- (B) Only (d) is correct
- (C) Only (a), (b) and (d) are correct
- (D) Only (b) and (d) are correct

33. Which of the statement about slash and burn type of cultivation is not true ?

- (A) Enhances soil erosion
- (B) Only paddy is cultivated
- (C) Responsible for deforestation
- (D) Is primitive subsistence type of agriculture

34. A low pressure belt near the equator where the trade winds of the Northern and Southern hemisphere come together is known as :

- (A) Inter-tropical convergence zone
- (B) Sub-tropical high pressure
- (C) Westerlies
- (D) Monsoon

35. Which one of the following is **not** an effect of Climate change ?

- (A) Lower life expectancy of the population
- (B) Increased salinization of coastal land
- (C) Global warming
- (D) Decrease in coastal wetlands

36. Temperature anomaly refers to:
- (A) Decrease of temperature with altitude
  - (B) Increase of temperature with altitude
  - (C) Departure from a reference value or long-term average
  - (D) Inversion of temperature
37. When two air masses are unable to push against each other, the type of front that develops is a:
- (A) Cold Front
  - (B) Warm front
  - (C) Stationary front
  - (D) Occluded front
38. Which of the following is **not** a direct influence on climate change?
- (A) Global warming
  - (B) Green House gas emission
  - (C) Population growth
  - (D) Methane from rice paddies and dairy farming
39. Which one of the following is a correct order of layers in atmosphere?
- (A) Troposphere, Stratosphere, Mesosphere, Thermosphere, Exosphere
  - (B) Troposphere, Mesosphere, Thermosphere, Stratosphere, Exosphere
  - (C) Stratosphere, Troposphere, Mesosphere, Thermosphere, Exosphere
  - (D) Stratosphere, Troposphere, Mesosphere, Exosphere, Thermosphere
40. Which of the following is/are true?
- (a) Ozone layer is found in troposphere
  - (b) Aeroplanes fly in stratosphere
- Select the **correct answer** using the **codes** below:
- (A) (a) only
  - (B) (b) only
  - (C) Both (a) and (b)
  - (D) Neither (a) nor (b)

41. The cold and dense down-slope wind blowing from the mountain slope during the night is :
- (A) Anabatic wind  
(B) Khamsin  
(C) Katabatic wind  
(D) Harmatton
42. In which of the following, temperatures increase with increasing altitude ?
- (A) Stratosphere  
(B) Troposphere and stratosphere  
(C) Stratosphere and Mesosphere  
(D) Troposphere and mesosphere
43. Which one of the following is **not** a form of precipitation ?
- (A) Rain  
(B) Fog  
(C) Dew  
(D) Snow
44. The name 'Roaring Forties' is associated with :
- (A) Polar wind  
(B) Westerlies  
(C) Trade winds  
(D) Jet Stream
45. Westerlies are also known as :
- (A) Anti-Trade wind  
(B) Anti-Polar wind  
(C) Convectional air flow  
(D) Monsoons
46. Mediterranean climate is characterised by :
- (A) Dry Summer and Dry Winter  
(B) Dry Summer and Wet Winter  
(C) Wet Summer and Dry Winter  
(D) Wet Summer and Wet Winter
47. Which of the following statements is/are true of periodic winds ?
- (a) Periodic winds blow at regular intervals  
(b) Periodic winds are winds changing their directions periodically with change in seasons  
(c) Westerlies are examples of periodic winds

Select the **correct answer** using the **codes** below :

- (A) Only (a) is true  
(B) Only (a) and (b) are true  
(C) Only (b) and (c) are true  
(D) Only (a) and (c) are true