FIRST YEAR

Kerala Board Answer Key 2023



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ANSWER KEY

FIRST YEAR HIGHER SECONDARY EXAMINATION MARCH 2023

PART-~~I~~/II/III

SUBJECT: GEOGRAPHY

CODE NO: FY ~~23~~ 437 VERSION: ~~B~~

60 SCORES 2 HOURS

Qn. No	Sub Qns	Answer Key/Value Points	Score	Total Score
1		Geomorphology is devoted to the study of landforms, their evolution and related processes	2	2
2		Erosional Landforms - Gorge, V-shaped Valley Depositional Landforms - Alluvial fans, Deltas	½ + ½ = 1 ½ + ½ = 1	2
3		• It absorbs parts of the insolation • Acts like blanket allowing the earth neither to become too cold nor too hot. • It also contributes to the stability and instability in the air (Any 2 Points)	1 1	2
4		• Cloud is a mass of minute water droplets or tiny crystals. • Clouds are formed by the condensation of the water vapour in free air at considerable elevation • hygroscopic nuclei (any 2 points)	1 1	2
5		(a) 82½° E longitude / Indian standard Meridian (b) 23½° N latitude / Tropic of cancer	1 1	2
6		• Restriction on the construction on hill slopes • Limiting agriculture to the valleys and areas with moderate slopes • Promoting large scale afforestation (any 2 relevant responses)	1 1	2
7		Biodiversity is the number and variety of organisms found within a specified geographic region (or any relevant responses)	2	2
8		(a) Troposphere (b) Stratosphere	1 1	2

Qn. No	Sub Qns	Answer Key/Value Points	Score	Total Score
9		Temperature, Precipitation	1+1	2
10		Latitude: The temperature of surface water decreases from the equator towards the poles. Ocean Currents: Warm ocean currents raise the temperature in cold areas while the cold currents decrease temperature in warm ocean areas	1 1	2
11		The meteors that at times reach the earth, Gravitation, Magnetic field, Seismic activity (Any 3 Points)	1×3	3
12		The lava that cools within the crustal portions assumes different forms. Batholiths, Laccoliths, Lapolith, Phacolith dyke, sills (To explain any two intrusive forms briefly) [definition 1 score, identify type 1 score, explanation 1 score]	~~1~~ ~~1×2=2~~	3
13		Divergent Boundaries, Convergent Boundaries and Transform Boundaries. (To explain any one in detail) [To identify — ½, Explanation — 1½]	~~3~~	~~3~~
14		Hess proposed the hypothesis The constant eruptions at the crest of oceanic ridges cause lava wedges into it, pushing the oceanic crust on either side. The ocean floor, thus spreads.		3
15		conduction Flow of heat from a warmer body to a cooler body when they are in contact with one another convection The process of vertical heating of the atmosphere Advection The transfer of heat through horizontal movement of air. [identify — 1½, Explanation — 1½]	~~1~~ ~~1~~ ~~1~~	3
16		(i) The rotation of earth on its axis (ii) The angle of inclination of the sun's rays (iii) The length of the day (iv) The transparency of the atmosphere (v) The configuration of land (To write any 3 points)	1×3	3

Qn. No	Sub Qns	Answer Key/Value Points	Score	Total Score
17		The weight of a column of air contained in a unit area from the mean sea level to the top of the atmosphere. Wind blows from a high pressure area to a low pressure area.	2 1	3
18		Tides: The periodic rise and fall of the sea level mainly due to the attraction of the Sun and the moon Waves: Waves are the energy which moves across the ocean surface. Wind provides energy to waves Ocean currents: The movement of a regular volume of ocean water in a definite path and direction.	1 1 1	3
19		These forests are found in the western slope of hills of north eastern region and Andaman and Nicobar islands Found in warm and humid regions They are well stratified No specific time for shedding leaves They appear green all the year round (Any 3 relevant points)	western ghats 3X1	3
20		The process of formation of the front is known as frontogenesis (a) Cold; (b) Warm; (c) Stationary (d) Occluded	1 2	3
21		I The most popular argument. In the beginning all matter forming the universe existed as a tiny ball with an unimaginably small volume, infinite temperature and density II At the big bang the tiny ball exploded violently. Led to huge expansion. It took place 13.7 billion year back Some energy was converted into matter. First atom began to form within the first 3 minutes	2 2	4

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22		Weathering is defined as mechanical disintegration and chemical decomposition of rocks. Erosion involves acquisition and transportation of rock debris. any points related to weathering and erosion.	2 2	4
23		A. Stalactite, B - Stalagmite Stalactites hang as icicles of different diameters. Normally they are broad at their bases and taper towards the free ends Stalagmites arise up from the floor of the caves	2 1 1	4
24		Western Coastal Plain 1. Submerged coastal plain, It is a narrow belt and provides natural conditions for the development of ports and harbours, Extending from Gujarat to Kerala Kachchh and Kathiawar coast, Konkan coast, Goa coast, Malebar coast are the divisions River flowing through this plain do not form any delta. etc (Any 2 points) Eastern Coastal Plain It is broader, Emerged coast There are well developed deltas on this coastal region It has less number of ports and harbours (Any 2 Points)	2 2	4
25		It mainly includes the Ganga, the Indus and Brahmaputra river basins, These are fed both by melting of snow and precipitation, Rivers are perennial, These rivers pass through giant gorges. In plains they form depositional features, etc. (Any 4 Points)	1×4	4
26		(i) The cold weather seasons (ii) The hot weather seasons (iii) The Southwest monsoon season (iv) The retreating monsoon season (To identify the seasons, To explain any one briefly)	½×4=2 2	4
27		(a) Anaimudi (b) Barren Island (c) Godavari (d) Sundarbans	1 1 1 1	4

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Qn. No	Sub Qns	Answer Key/Value Points	Score	Total Score
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