

Debabaty
12/04/2019.



ST. LAWRENCE HIGH SCHOOL

First Term Examination - 2019

Sub: GEOGRAPHY

Class: IX

Full Marks: 75

Duration: 2 hours 30 minutes

Model Answer

Date: 11.04.19

GROUP - A

1. Choose the correct answer and complete the sentences.

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- i. During (oxidation/hydrolysis/carbonation/hydration) molecules of water split into hydrogen and hydroxides.
- ii. The difference between the equatorial circumference and the polar circumference is (68/88/86/66) km.
- iii. (Availability/Functionability/Potentiality/Credibility) of a substance marks it as a resource.
- iv. (Dhanbad/Gaya/Ranchi/Patna) is the capital of Jharkhand.
- v. Jhum cultivation is also called (subsistence/terrace/shifting/contour) cultivation.
- vi. (Jupiter/Mars/Venus/Mercury) is bigger than the Earth.
- vii. Rocks get rusted because of (carbonation/solution/oxidation/hydration).
- viii. At the time of creation in 1947, West Bengal was divided into (12/13/14/16) districts.
- ix. The orbital period of (Jupiter/Saturn/Uranus/Neptune) is 29.46 years.
- x. Resources which exhaust after use are called (fund/biotic/mobile/renewable) resources.
- xi. (Magellan/Wallace/Coriolis/Foucault) executed the Bedford level experiment.
- xii. Limestone deposits which grow downward from the cave floor are called (stalactites/helectites/stalagmites/anemolites).
- xiii. (1980/2000/2020/2040) is a centural leap year.

GROUP - B

2. State whether the following statements are "True" or "False".

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- i. Carbonation takes place in limestone topography. **TRUE**
- ii. The Auroras occur in the stratosphere level of the atmosphere. **FALSE**
- iii. Chukha power plant produces thermal electricity. **FALSE**
- iv. Dhaka stands on the bank of river Buriganga. **TRUE**

3. Answer in one or two words.

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- i. Who first measured the Earth's circumference?
Ans: **ERATOSTHENES**
- ii. Name the resources which are available everywhere on Earth.
Ans: **UBIQUITOUS RESOURCES**

- iii. Name the newly formed district of West Bengal to the north.
Ans: **KALIMPONG**
- iv. Who first stated that the earth is spherical in shape?
Ans: **PYTHAGORAS**

4. Match the words of Column A with that of Column B

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"A"	"B"
Tamluk	East Medinipur
Raiganj	North Dinajpur
Balurghat	South Dinajpur
Alipore	South 24 Parganas
Barasat	North 24 Parganas

5. Fill in the blanks with suitable words.

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- i. The average distance between the sun and the earth is **150 million km**.
- ii. Ferrel's Law supports the theory advocated by **Coriolis**.
- iii. At present the state of West Bengal comprises **23** districts.
- iv. The rotational period of Mars is **103** days.
- v. The word **Geoid** means 'earth like form'.

GROUP - C

6. Answer the following in short.

5 x 2=10

- i. What is a leap year? **Chapter: 2, Page: 22 - Leap Year - So the ----- leap year.**
- ii. What is an oblate spheroid? **Ans: Chapter: 1, Page: 10 - Glossary no. 10**
- iii. What is 'Van Mahotsab'? **Ans: Chapter: 5, Page: 78 - portion on Afforestation**
- iv. What is Talus? **Ans: Chapter: 5, Page: 80 - Glossary no. 14**
- v. What is epicycle? **Ans: Chapter: 2, Page: 28 - Glossary no.3**

GROUP - D

7. Give brief explanatory answers of any three questions.

3 x 3=9

- i. Define the three processes of soil erosion by water.
Ans: Chapter: 5, Page: 78 - Causes of Soil Erosion - 4th point in detail.
- ii. Differentiate between perihelion and aphelion. (Any 3 points)
Ans:

Perihelion	Aphelion
The distance between the Sun and the Earth is farthest.	The distance between the Sun and the Earth is nearest.
Occurs on 3 rd January.	Occurs on 4 th July.
The distance between the Sun and the Earth is 147 million kms.	The distance between the Sun and the Earth is 152 million kms.
The Sun looks bigger.	The Sun looks smaller.

- iii. State three observations of Aristotle in support of Earth's spherical shape.
Ans: Chapter: 1, Page: 1 - Concept of the shape of the Earth – 3 points.
- iv. Classify resources on the basis of existence, define each type with example.
Ans: Chapter: 7, Page: 101 – Classification of Resources – 4th segment.

GROUP - E

8. Answer any three questions in detail.

3 x 5=15

- i. Define soil conservation. Describe the various methods of soil conservation.
Ans: Chapter: 5, Page: 78-79 – all write-ups under Conservation of Soil.
- ii. Differentiate between summer and winter solstice. (Atleast 5 points)

Ans:

Summer Solstice	Winter Solstice
Occurs on 21 st June.	Occurs on 22 nd December.
Northern hemisphere is inclined towards the Sun.	Southern hemisphere is inclined towards the Sun.
Southern hemisphere is away from the Sun.	Northern hemisphere is away from the Sun.
Vertical sunrays fall on Tropic of Cancer.	Vertical sunrays fall on Tropic of Capricorn.
Longer days and shorter nights in northern hemisphere.	Longer days and shorter nights in southern hemisphere.
Shorter days and longer nights in southern hemisphere.	Shorter days and longer nights in northern hemisphere.
Sunlight remains for more than 12 hours in the northern hemisphere.	Sunlight remains for more than 12 hours in the southern hemisphere.
Aurora Australis is seen in the dark south polar sky.	Aurora Borealis is seen in the dark north polar sky.
Summer in northern hemisphere and Winter in southern hemisphere.	Summer in southern hemisphere and Winter in northern hemisphere.

- iii. Describe in detail the process of 'exfoliation'.
Ans: Chapter: 5, Page: 73-74 – Exfoliation: explanation with diagram
- iv. Describe any five proofs supporting the 'Earth's Sphericity'.
Ans: Chapter: 1, Page: 2, 3 & 4 – any 5 points out of 10 with explanation and necessary diagrams.

GROUP - F

9. Locate the following with proper names and symbols on an outline map of **WEST BENGAL**.
1x10= 10

- i. Districts: (a) Jhargram (b) Alipurduar (c) Malda (d) Hugli (e) Nadia
- ii. Headquarters: (a) Balurghat (b) Asansol (c) Tamluk (d) Suri (e) Chinsura

WEST BENGAL

