

GEOGRAPHY

- Lack of atmosphere around the Moon is due to
 - low escape velocity of air molecule and low gravitational attraction
 - high escape velocity of air molecule and low gravitational attraction
 - low gravitational attraction only
 - high escape velocity of air molecule only
- The highest of all spring tides occurs at the time of
 - full or new moon in association with winter solstice
 - full or new moon in association with equinox
 - full or new moon in association with summer solstice
 - winter as well as summer solstices
- If a news is broadcast from London at 1:45 pm on Monday, at what time and on what day it will be heard at Dhaka (90° E)?
 - 7 : 45 pm on Monday
 - 7 : 45 am on Monday
 - 7 : 45 pm on Tuesday
 - 7 : 45 am on Sunday
- Which of the following statements in the context of Northern hemisphere is/are correct?
 - Vernal equinox occurs on March 21.
 - Summer solstice occurs on December 22.
 - Autumnal equinox occurs on September 23.
 - Winter solstice occurs on June 21.Select the correct answer using the codes given below
 - Only 1
 - 1 and 3
 - 2 and 4
 - 1, 2 and 3
- The summer and winter seasons in a year are caused by
 - aphelion (farthest) and perihelion (nearest) positions of the Earth from the Sun during the annual revolution
 - rotation of the Earth on its axis
 - variation in solar insolation
 - revolution of the Earth on its inclined axis
- The theory of plate tectonics explains which of the following phenomena?
 - How the Earth's crust is moving.
 - Continents are formed only of plates.
 - The relation of inter plate movement is defined by the type of plate margin.Which of the statements given above are correct?
 - 1 and 2
 - 2 and 3
 - 1, 2 and 3
 - 1 and 3
- The Continental Drift Theory is given by
 - Alfered Wegener
 - Gutenberg
 - Wiechert

- (d) None of these
8. The hundreds of active volcanoes flow on the land near the edges of the Pacific Ocean make up what is called the
- ring of fire
 - ocean boundary
 - mountain chain
 - young folded mountain systems
9. Which one of the following pairs correctly matched?

List I

List II

- | | | |
|--------------|---|--|
| 1. Equinoxes | : | Equal days and nights |
| 2. Solstice | : | Length between day and night is smallest |

Select the correct answer using the code given below

- Only 1
 - Both 1 and 2
 - Only 2
 - Neither 1 nor 2
10. Which one of the following pairs are correctly matched?

List I

List II

- | | | |
|-------------------|---|---------|
| 1. Etna volcanoes | : | Active |
| 2. Vesuvius | : | Dormant |
| 3. Barren | : | Dormant |

Select the correct answer using the codes given below

- 1 and 2
 - 2 and 3
 - 1, 2 and 3
 - 1 and 3
11. Which one of the following pairs are correctly matched?

List I

List II

- | | | |
|----------------|---|----------------|
| 1. Westerlies | : | Planetary wind |
| 2. Trade winds | : | Planetary wind |
| 3. Monsoon | : | Seasonal wind |
| 4. Loo | : | Local wind |

Select the correct answer using the codes given below

- 1, 2 and 3
 - 2, 3 and 4
 - 1, 3 and 4
 - All of these
12. Match the following

List I

List II

- | | | |
|---------------------|--|-------------------------------|
| (Phenomenon) | | (Date) |
| A. Summer Solstice | | 1. 21 st June |
| B. Winter Solstice | | 2. 22 nd December |
| C. Vernal Equinox | | 3. 23 rd September |
| D. Autumnal Equinox | | 4. 21 st March |

Codes

	A	B	C	D
(a)	1	4	2	3
(b)	1	2	4	3
(c)	3	2	4	1
(d)	3	4	2	1

13. Continents have drifted apart because of
- volcanic eruptions
 - tectonic activities
 - folding and faulting of rocks
 - All of the above
14. Normally, the temperature decreases with the increase in height from the Earth's surface, because
- the atmosphere can be heated upwards only from the Earth's surface.
 - there is more moisture in the upper atmosphere.
 - the air is less dense in the upper atmosphere.
- Only 1
 - 2 and 3
 - 1 and 3
 - 1, 2 and 3
15. The standard time of the following countries is ahead or behind Greenwich Mean Time depending on whether they are East or West of the longitude passing through Greenwich.
1. Cuba 2. Greece 3. Iraq 4. Costa Rica 5. Japan
- Which one of the following sequential orders gives the correct arrangement of the countries according to their standard time from ahead to behind GMT?
- 5, 3, 2, 1, 4
 - 2, 4, 1, 3, 5
 - 4, 1, 3, 2, 5
 - 3, 5, 4, 1, 2
16. Variations in the length of daytime and night-time from season to season are due to
- the Earth's rotation on its axis
 - the Earth's revolution round the Sun in an elliptical manner
 - latitudinal position of the place
 - revolution of the Earth on a tilted axis
17. Which one of the following is the reason due to which the wind in the Southern hemisphere is deflected towards its left?
- Difference in the water masses of Northern and Southern hemisphere
 - Temperature and pressure variations
 - Inclined axis of the Earth
 - Rotation of the Earth
18. The term 'Goldilocks Zone' is often seen in the news in the context of
- the limits of habitable zone above the surface of the Earth
 - regions inside the Earth where shale gas is available
 - search for the Earth-like planets in outer space
 - search for meteorites containing precious metals
19. During solar eclipse
- the earth comes in between the Sun and the Moon.
 - the Moon comes in between the Sun and the Earth.

- (c) the Moon comes exactly halfway between the Earth and the Sun.
 (d) the Sun comes in between the Earth and the Moon.
20. Which one of the following is an object with such a strong gravitational field that even light cannot escape from its surface?
- (a) Neutron star
 (b) White dwarf
 (c) Black hole
 (d) Supernova star

EVALUATE YOURSELF

Total Marks :

Your Mark :

Topper's Mark :

SCORE	GRADE
30-40 : Outstanding	<input type="text"/> A
20-30 : Very Good	<input type="text"/> B
10-20 : Good	<input type="text"/> C
0-10 : Average	<input type="text"/> D

ANSWER KEYS

- 01 a 02 b 03 a 04 b 05 d 06 c 07 a 08 a 09 a 10 c
 11 d 12 b 13 b 14 c 15 a 16 d 17 d 18 c 19 b 20 c