

Celestial Gymnastics # 02



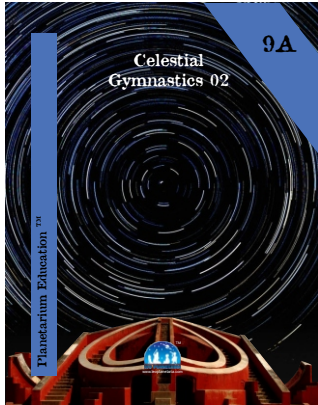
Max. Duration: 00min

Max. Marks: 00

Date: ___/___/___

Name: _____

Class: _____ Sec: _____ Roll No: _____

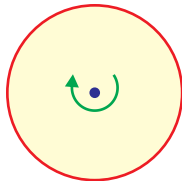


Tick (☑) mark the correct answer or fill in the blank.

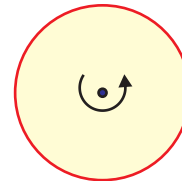
1. The obvious choice reference of a central circle on a rotating ball's surface as a starting or zero reference point of its latitudes is

- (A) North pole (B) South pole (C) Equator (D) Prime meridian

2. Which of the following point on the surface of a rotating ball when viewed from space is called its North Pole?

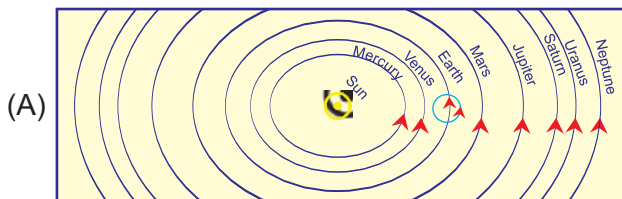


(A)

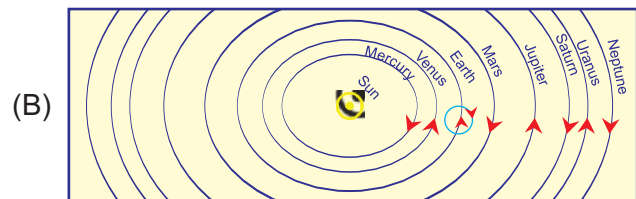


(B)

3. Which of the following diagram from a vantage point from where you have a bird's eye view of the solar system is correct?



(A)



(B)

4. From where on the Earth over a period of one year you can see the entire celestial sphere – you would miss no star, no planet or any other object of the sky.

- (A) North pole (B) South pole (C) Equator (D) Prime meridian

5. Which constellation helps you find the pole star of the southern hemisphere of the Earth?

- (A) Crux (B) Ursa Major (C) Orion (D) Ursa Minor

6. The height of the pole star in our skies as we move from equator towards the poles...

- (A) Increases (B) Decreases (C) Remains unchanged

7. Prime Meridian passes through...

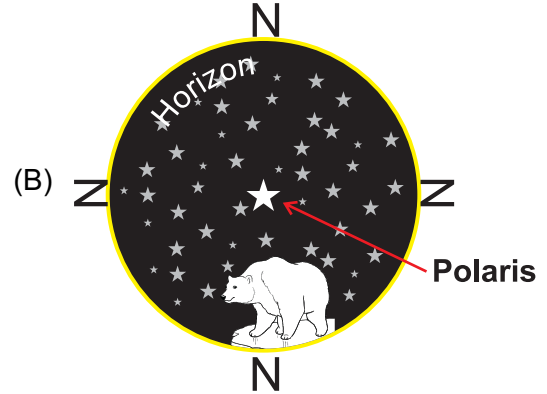
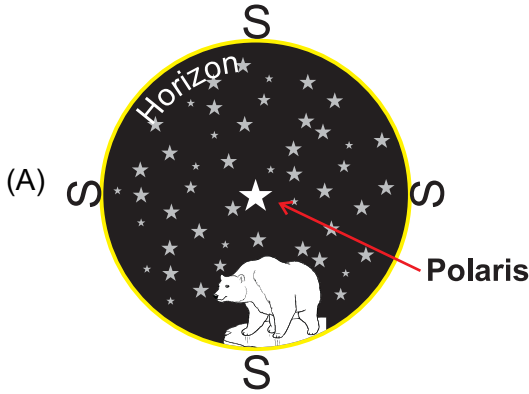
- (A) Allahabad (B) London (C) New York (D) Paris

8. Who laid the laws of motion for celestial bodies in space?

- (A) Kepler (B) Newton (C) Galileo (D) Copernicus

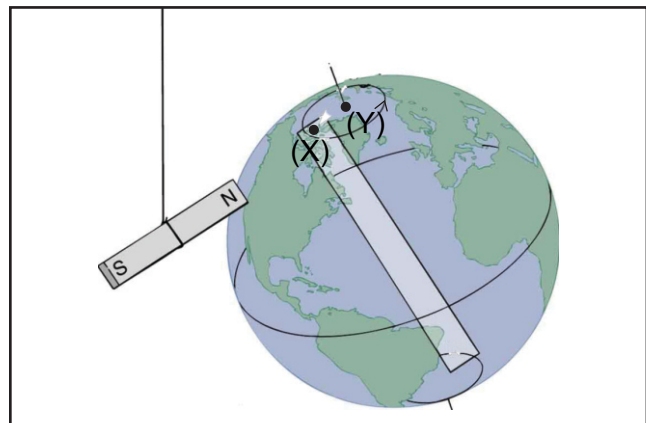
9. From where on the Earth all celestial objects are non circumpolar meaning they rise and set as the Earth completes its one rotation after the other.
 (A) North pole (B) South pole (C) Equator (D) Prime meridian
10. The entire sky is like a sphere called the celestial sphere. At any point of time we see.....part of the celestial sphere?
 (A) 1/4 (B) 1/3 (C) 1/2 (D) 1/8
11. The daily rise and set motion of stars and other celestial objects in our sky is called
 (A) Diurnal motion (B) Retrograde Motion (C) Precession (D) Annual Motion

12. Which is of the following directions are correct?

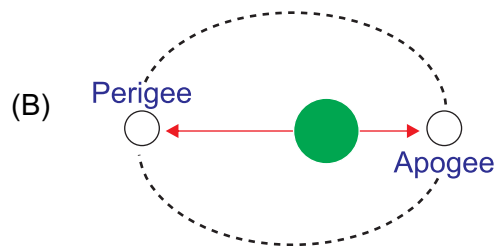
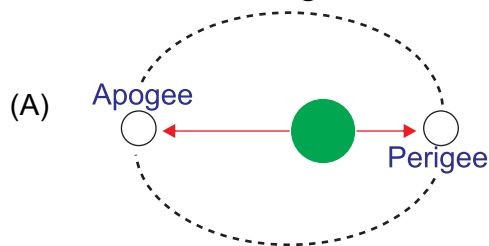


13. Imagine you are standing between true north and magnetic north then your magnetic compass will point out in which direction?

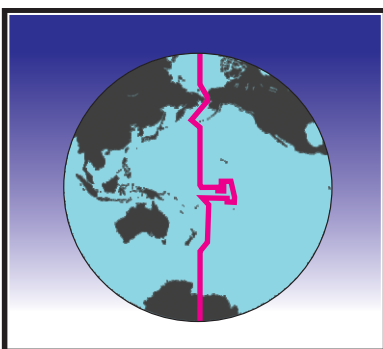
- (A) X (B) Y



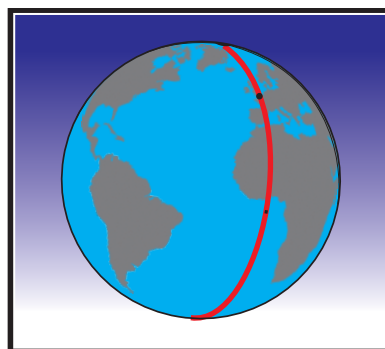
14. Which of the following Earth-Moon diagram is correct?



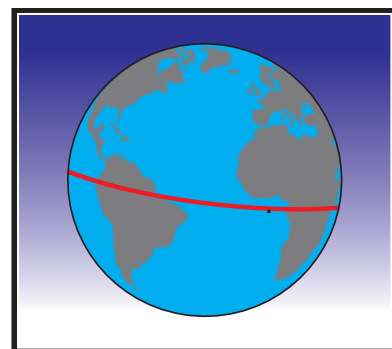
15. To celebrate your birthday twice in a year you will have to cross which of the following lines.



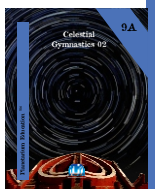
(A)



(B)



(C)

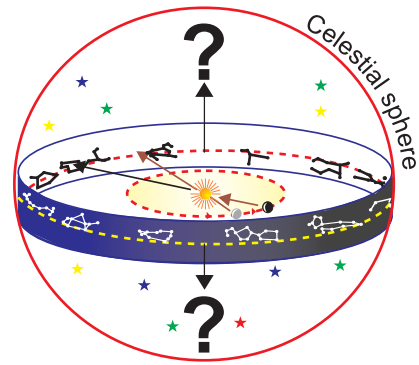


16. What is the duration of a day or a night at poles?

- (A) 1 month each (B) 2 months each (C) 4 months each (D) 6 months each

17. The question marks (?) in the given diagram stand for

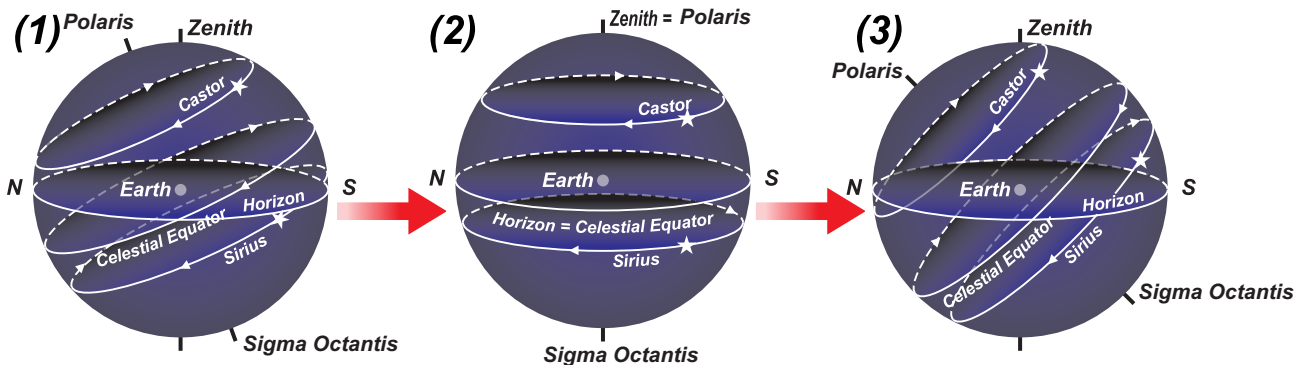
- (A) Ecliptic (zodiac) (B) Celestial equator



18. Which of the following constellation can not be seen from the North pole

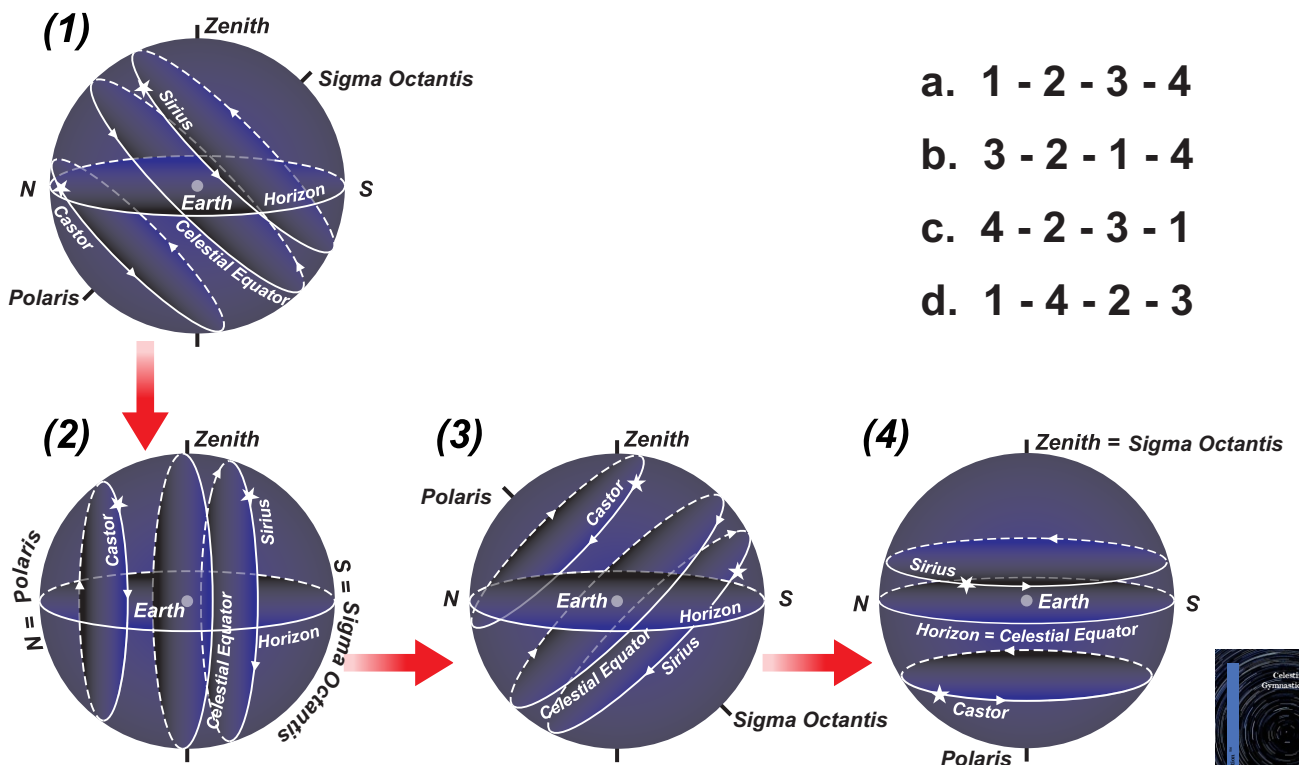
- (A) Ursa Major (B) Ursa Minor (C) Cepheus (D) Crux

19. Imagine you are a travelling observer, travelling from equator to North Pole along a longitude then which of the following observations would you make.



- (A) 1 → 2 → 3 (B) 3 → 2 → 1 (C) 2 → 3 → 1 (D) 3 → 1 → 2

20. Imagine you are a travelling observer, travelling from North Pole to South Pole along a longitude then which of the following observations would you make.



- a. 1 - 2 - 3 - 4
b. 3 - 2 - 1 - 4
c. 4 - 2 - 3 - 1
d. 1 - 4 - 2 - 3

