



# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



## Worksheet 38 Solutions

Sub: Geography

Class:10

Date: 16-6-2020

### Chapter 2: Topic: Time of tide Second Term

1. Choose the correct answer
  - a. When Sun, Moon and Earth are at right angles to each other it causes
    - i. spring tide
    - ii. ebb tide
    - iii. neap tide
    - iv. none of this
  - b. During Perigean tide distance from Earth to the Moon is
    - i. 365396km
    - ii. 403504km
    - iii. 363396km
    - iv. 405504km
  - c. During Apogean tide distance from Earth to the Moon is
    - i. 365396km
    - ii. 403504km
    - iii. 363396km
    - iv. 405504km
  - d. Solar eclipse happens when Sun, Moon and Earth are in
    - i. conjunction
    - ii. opposition
    - iii. Quadrature
    - iv. none of these
  - e. Lunar eclipse happens when Sun, Moon and Earth are in
    - i. conjunction
    - ii. opposition
    - iii. Quadrature
    - iv. none of these
  - f. Equinoctal tide happens
    - i. 1
    - ii. 2
    - iii. 3
    - iv. 4 times a year
  - g. The height of the bore is maximum
    - i. near the bank
    - ii. mid stream
    - iii. front side of the water body
    - iv. both i and iii
  - h. When the sun, moon and earth are at right angles it is called in
    - i. conjunction
    - ii. opposition
    - iii. Quadrature
    - iv. none of these
  - i. Tidal bore is called perorocus in
    - i. Hooghly
    - ii. Congo
    - iii. Amazon
    - iv. Mississippi river
  - j. Tidal bore is common when the river mouth is
    - i. funnel shaped
    - ii. narrow
    - iii. wide
    - iv. i and ii
  - k. In river Hooghly highest tidal bore occurs when
    - i. spring tide coincides with equinoxes and new moon
    - ii. spring tide coincides with apogee
    - iii. spring tide coincides with full moon
    - iv. none of these
  - l. During tidal bore speed of water increases
    - i. 2/3 times
    - ii. 5 times
    - iii. 6 times
    - iv. 10 times
  - m. Proxigian position is
    - i. when perigee and quadrature coincides
    - ii. when apogee syzygy coincides
    - iii. when perigee syzygy coincides
    - iv. none of these
  - n. Syzygy occurring over equator happens every
    - i. 1000 years
    - ii. 1200 years
    - iii. 14000 years
    - iv. 1600 years

- o. The time gap between 2 high tides is i. 24 hours ii. 12 hours 26 minutes iii. 24 hours  
52 minutes iv. 12 hours

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