

GREENLAWNS SCHOOL WORLI
Final Examination 2016-2017
GEOGRAPHY

Std: IX
Date: /2/2017

Marks: 80
Time: 2 hours

Q.1. Study the given worksheet and answer the questions that follow:

- A. Give the four figure grid reference of: [4]
- i. The perennial river
 - ii. Linear settlement
 - iii. Stony waste
 - iv. Dendritic drainage
 - v. Nucleated settlement
 - vi. Pack track
 - vii. Seasonal tank
 - viii. Railway line
- B. Give the six figure grid reference of: [4]
- i. Temporary hut
 - ii. Unlined perennial well
 - iii. Temple
 - iv. Well with brackish water
- C. Give the compass direction of: [4]
- i. The Dak bungalow from the Police station.
 - ii. The Tube well from the Linear settlement.
 - iii. The seasonal tank from the fire line.
 - iv. The perennial river from the lime kiln.
 - v. The stony waste from the Police station
 - vi. The railway line from the pack track.
 - vii. The unlined perennial well from the dak bungalow.
 - viii. The lime kiln from the railway line.
- D. Calculate the distance along the cart track from: [2]
- i. The linear settlement to nucleated settlement in m.
 - ii. The dak bungalow to the seasonal tank in kms.
- E. Calculate the area in m^2 of: [2]
- i. The region between easting 17 and 19 and northing 32 and 34.
 - ii. The region from northing 42 to 40 and easting 17 to 13.
 - iii. Any one grid square
 - iv. The region from easting 11 to 12 and northing 37 to 39.
- F. Calculate the area in km^2 of: [2]
- i. The region west of easting 16.
 - ii. The region between easting 12 and 17 and northing 36 to 40.
 - iii. The region north of northing 39.
 - iv. The entire worksheet.

G. Convert the following into a verbal scale. [2]
1:50,000

Q.2. On the outline map of the world provided to you mark and name the following. [10]

- a) The Caribbean Sea, North Sea
- b) Strait of Magellan, Strait of Gibraltar
- c) Gulf of Alaska and Gulf of Guinea
- d) The Atlas mountains, Rockies mountains, Drakensburg mountains
- e) Brazilian Highlands, Tibetan plateau and Labrador plateau
- f) The California Current, The Canary Current, The Mozambique current and The Equatorial current (warm currents in red and cold currents in blue)
- g) The Isthmus of Suez and the Bay of Biscay
- h) Southern Ocean and Arctic Ocean

Q.3.

- a. What is a strait? Name the strait between India and Sri Lanka and the strait between Alaska and Russia. [2]
- b. How is an isthmus strategically important? Name two canals that have dug through isthmuses. [2]
- c. Name the following. [3]
 - i. Two other names given to a bay-
 - ii. Two food products provided by the ocean-
 - iii. Microscopic algae floating in open ocean waters and the gas provided by the algae-
- d. Explain three economic uses of oceans. [3]

Q.4.

- a. Give any two characteristics of the thermosphere. [2]
- b. Explain the term lapse rate. Specify the normal lapse rate in the troposphere. [2]
- c. Give geographical reasons for the following. [3]
 - i. Commercial airlines normally cruise in the stratosphere.
 - ii. An astronaut travelling to the moon would not hear a meteor if it were to crash on the moon's surface.
 - iii. A mini ice age could occur in the mid and higher latitudes of Europe and Asia.
- d. Name any three gases found in the atmosphere and state one importance of each gas. [3]

Q.5.

- a. State and explain the two factors that affect direction and velocity of the wind. [2]
- b. Name any two types of local winds and the region in which they occur. [2]
- c. Explain the following terms: [3]
 - i. Periodic winds
 - ii. Cyclone
 - iii. Isobars

d. Name the three types of prevailing winds and the direction in which they blow. [3]

Q.6.

a. Give two points of difference between relative humidity and absolute humidity. [2]

b. What is evaporation? State any two factors which are responsible for evaporation. [2]

c. Give geographical reasons for the following. [3]

i. The temperature at which relative humidity of a given unit of air is 100%, is called dew point temperature.

ii. The eastern sides of most continents receive moderate rainfall.

iii. The direction of a mountain range is important for relief rainfall.

d. Explain three characteristics of convectional rainfall. [3]

Q.7.

a. Give geographical reasons for the following. [2]

i. Mumbai is cooler than Delhi in summer.

ii. Chennai is warmer than Ooty throughout the year.

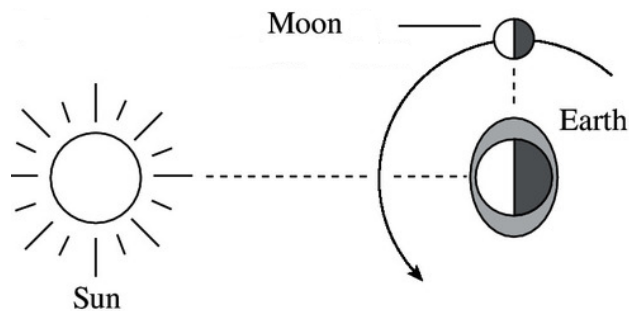
b. Explain the following terms: [3]

i. Albedo

ii. Advection

iii. Heat balance

Q.8.



a. Identify the type of tides depicted in the above diagram. [½]

b. On which occasion does the above tide occur and why does it occur at this time? [2]

c. How is a tide different from a wave? (give one difference) [1]

d. State the two causes of tides. [1]

e. State any one type of pattern that a tide follows. [½]
