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3 (Sem-5/CBCS) GGY HE 4

2022

GEOGRAPHY

(Honours Elective)

Paper : GGY-HE- 5046

(Agricultural Geography)

Full Marks : 60

Time : Three hours

The figures in the margin indicate full marks for the questions.

1. Choose the correct option for the following : **(any seven)** 1×7=7

(a) Which of the following is a climatic factor of agriculture ?

(i) Slope

(ii) Market

(iii) Humidity

(iv) Transport

Contd.

(b) Which of the following is subsistence agriculture ?

- (i) Rice cultivation in small landholding
- (ii) Jute cultivation
- (iii) Tea plantation
- (iv) Sugarcane cultivation

(c) Von Thunen's model of agricultural location was put forward in the year

- (i) 1850
- (ii) 1826
- (iii) 1888
- (iv) 1856

(d) Average annual rainfall required for wheat cultivation is

- (i) 200-500 cm
- (ii) 150-300 cm
- (iii) 50-100 cm
- (iv) 75-300 cm

(e) Which of the following states of India experienced Green Revolution ?

- (i) Assam
- (ii) Meghalaya
- (iii) Haryana
- (iv) Maharashtra

(f) Which state of India is under Western Himalaya agro-climatic zone ?

- (i) Assam
- (ii) Haryana
- (iii) Rajasthan
- (iv) Himachal Pradesh

(g) Which of the following is not a factor of agricultural modernization ?

- (i) Irrigation
- (ii) HYV seeds
- (iii) Labour
- (iv) Chemical fertilizers

- (h) Largest producer of sugarcane in the world is
- (i) Brazil
 - (ii) India
 - (iii) China
 - (iv) USA
- (i) In Punjab and Haryana, which of the following factors is responsible for paddy cultivation ?
- (i) Machinery
 - (ii) Labour
 - (iii) Irrigation
 - (iv) Transport
- (j) Find out the odds from the following regarding problems in Indian agriculture.
- (i) Small landholding
 - (ii) Poor farmers
 - (iii) Lack of technology
 - (iv) Majority of people are engaged in agriculture

- (k) A market force is a factor that
- (i) has some ability to affect change in a market
 - (ii) has not determined the price of goods
 - (iii) has no inverse effect on supply and demand
 - (iv) None of the above
- (l) In 'Nomadic Herding' people
- (i) move their livestock from one place to another
 - (ii) shift their agricultural fields
 - (iii) cultivate their land in winter
 - (iv) None of the above

2. Answer the following questions :

(any four)

2×4=8

- (a) Mention *any two* socio-economic factors influencing agriculture.
- (b) What do you understand by crop rotation ?

- (c) Mention *any two* types of irrigation with examples.
- (d) State *two* differences between intensive and extensive agriculture.
- (e) What do you understand by commercial agriculture ?
- (f) Mention *two* infrastructural factors influencing agriculture.
- (g) How do small landholdings impact production cost in agriculture ?
- (h) Why green revolution does not support sustainable environment ?

3. Answer **any three** questions from the following : $5 \times 3 = 15$

- (a) Write a short note on environmental approach of agricultural geography.
- (b) How is plantation farming economically sustainable ?
- (c) Write a short note on crop concentration.
- (d) Explain *any three* factors influencing rice cultivation.

- (e) Differentiate between mixed farming and market gardening.
- (f) Discuss Nelson's method of crop combination.
- (g) Differentiate between plantation and horticulture farming.
- (h) Discuss the empirical approach in agricultural geography.

4. Answer **any three** questions from the following : $10 \times 3 = 30$

- (a) What is agricultural geography ? Discuss its meaning and scope. $2 + 8 = 10$
- (b) How do land rent and market forces influence agriculture ? Explain with suitable examples. $6 + 4 = 10$
- (c) What do you understand by agro-climatic regions ? Discuss any three of the agro-climate regions of India. $2 + 8 = 10$
- (d) What are the inputs of agricultural modernization ? Explain with suitable examples. $3 + 7 = 10$

- (e) Write an essay on production and distribution of sugarcane in the world. 6+4=10
- (f) What are the problems of Indian agriculture ? Discuss with suitable examples. 5+5=10
- (g) How does agricultural development support population growth ? Explain your answer with examples. 6+4=10
- (h) Write an essay on green revolution in India.