

(4)

(c) \_\_\_\_\_ breed of duck can be reared without the source of water for swimming.

(d) Vanaraja is a/an \_\_\_\_\_ purpose new variety of poultry developed at PD on poultry, Rajendranagar for rural poultry farming.

(e) \_\_\_\_\_ is a dual purpose new variety of poultry developed at Central Avian Research Institute, Izatnagar for rural poultry farming.

4. Write the names of two common breeds of ducks and their characteristics.  $1 \times 2 = 2$

5. Write the names of four popular crosses of chicken and their characteristics.  $1 \times 4 = 4$

6. Define :  $1 \times 4 = 4$

(a) Class

(b) Breed

(c) Variety

(d) Strain

7. What is Selection? Describe briefly about different process of Selection. 5

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2023

**POULTRY FARMING**

**POULTRY PRODUCTION AND BREEDING**

**( Paper-I )**

**( THEORY )**

*Full Marks : 30*

*Time : 2 hours*

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

*General Instructions:*

(i) Write all the answers in the Answer Script.

(ii) All questions are compulsory.

(iii) Attempt all parts of a question together at one place

1. Choose the correct answer :  $1 \times 5 = 5$

(a) The origin of Rhode Island Red (RIR) breed of poultry is

(i) America

(ii) Australia

(iii) England

(iv) Italy

**(2)**

- (b) Which of the following is the best breed for egg production?
- (i) Plymouth Rock
  - (ii) White Cornish
  - (iii) Light Sussex
  - (iv) White Leghorn
- (c) Which one is the dual purpose breed of poultry
- (i) Rhode Island Red
  - (ii) White Leghorn
  - (iii) Cornish
  - (iv) Aseel
- (d) Which of the following is known as 'Kalamasi' because of its black flesh?
- (i) Aseel
  - (ii) Kadarnath
  - (iii) Chittagong
  - (iv) Naked neck

**(3)**

- (e) Best broilers can be produced by crossing between
- (i) White Leghorn and White Phymouth Rock
  - (ii) Rhode Island Red and White Leghorn
  - (iii) White Cornish and White Plymouth Rock
  - (iv) White Cornish and Minorca

**2.** Write whether the following statements are *True* or *False* :  $1 \times 5 = 5$

- (a) Saddle feathers are present only in female chicken.
- (b) Spur is present only in male chicken.
- (c) Round body shape is desirable in case of meat type poultry.
- (d) Triangular body shape is desirable in case of layer type poultry.
- (e) Aylesbury is a good egg type duck.

**3.** Fill in the blanks with appropriate word(s) :  $1 \times 5 = 5$

- (a) *Gallus domesticus* is the scientific name of \_\_\_\_\_.
- (b) A group of birds which are similar in shape, size and body conformation and descendants of common ancestry is known as \_\_\_\_\_.