# ENG/V/CC/07

# Student's Copy

#### 2024

# (CBCS)

(5th Semester)

# ENGLISH

#### SEVENTH PAPER

# ( Literary Theory and Criticism )

Full Marks: 75

Time : 3 hours

The figures in the margin indicate full marks for the questions

# ( SECTION : A-OBJECTIVE )

(Marks: 10)

Tick (✓) the correct answer in the brackets provided : 1×10=10

- 1. The term usually rendered into English as 'tragic flaw' is
  - (a) Katharsis ( )
  - (b) Spoudaios ( )
  - (c) Mimesis ( )
  - (d) Hamartia ( )
- 2. According to Horace, poetry should conform to the principle of
  - (a) smoothness ( )
  - (b) realism ( )
  - (c) decorum ( )
  - (d) verbiage ()

- During the medieval period, a form of criticism was the study of scansion and versification called
  - (a) prosody ( )
  - (b) rhetoric ( )
  - (c) poetics ( )
  - (d) glossary ( )
- 4. Middle Age Literature was greatly influenced by
  - (a) Aristotle ( )
  - (b) Longinus ( )
  - (c) Horace ( )
  - (d) Beowulf ()
- 5. Who is 'the father of English criticism' according to Dr. Samuel Johnson?
  - (a) Sir Philip Sidney ( )
  - (b) John Dryden ( )
  - (c) Alexander Pope ( )
  - (d) Chaucer ()
- 6. The word which Dryden used for critical analysis is
  - (a) describe ()
  - (b) elaborate ( )
  - (c) examen ( )
  - (d) discuss ( )
- 7. For Wordsworth, the language of poetry is no different from the language of
  - (a) science ()
  - (b) prose ( )
  - (c) philosophy ( )
  - (d) animals ()

- 8. What term describes Coleridge's perspective on poetry?
  - (a) Mechanistic ( )
  - (b) Organic ()
  - (c) Imitative ( )
  - (d) Didactic ()

# 9. Literature according to Matthew Arnold is

- (a) a criticism of life ()
- (b) a reflection of society ()
- (c) a source of entertainment ()
- (d) a display of the author's skill ()
- 10. Eliot says that a critic must have a highly developed sense of
  - (a) fact ()
  - (b) romanticism ( )
  - (c) reality ( )
  - (d) creativity ( )

# ( SECTION : B-SHORT ANSWERS )

(Marks: 15)

Answer the following questions :

#### UNIT-I

1. How did Aristotle define tragedy?

#### OR

2. What are the sources of sublimity according to Longinus?

# UNIT-II

 Comment briefly on the system of classifying literature in medieval criticism.

OR

4. What prompted Sir Philip Sidney to defend poetry?

[ Contd.

# Unit—III

- 5. What are the shortcomings of literary critics according to Pope? OR
- 6. What are the poetic forms that exist during Sidney's time? Briefly discuss.

# UNIT-IV

- 7. Briefly explain Wordsworth's preference to rustic language for poetry.
- 8. Critically comment on Matthew Arnold's concept of poetry.

# UNIT-V

9. What does T.S. Eliot mean by 'historical sense'?

# OR

10. What are the main features of New Criticism?

# ( SECTION : C-DESCRIPTIVE )

( Marks : 50 )

Answer the following questions :

# UNIT-I

- Critically examine the role played by Plato in literary criticism.
   OR
- Evaluate Aristotle's concept of drama.

#### UNIT-II

 "Medieval period has not been an area of much research and scholarship." Elaborate.

#### OR

4. Discuss Philip Sidney's views on literature with reference to Apologie.

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Contd.

# UNIT—III

**5.** Discuss Samuel Johnson's contribution to literary criticism with reference to *Lives of Poets*.

# OR

 What are the ideals of Neo-classical criticism according to Pope and Dryden? Discuss.

# UNIT-IV

7. Discuss Coleridge's concept of 'esemplastic' imagination and its significance in literary criticism.

# OR

 Examine Arnold's critique of Victorian society through his concept of literature.

# UNIT-V

9. Discuss T. S. Eliot's theories on literary criticism.

# OR

10. Comment on I. A. Richards' Practical Criticism and his theory on poetry.

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 Discuss Samuel Johnson's contribution to literary criticism with reference to Lives of Poets.

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#### ECO/V/CC/07

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#### 2024

(CBCS)

(5th Semester)

#### ECONOMICS

#### SEVENTH PAPER

# (Quantitative Techniques-I)

Full Marks : 75

Time : 3 hours

The figures in the margin indicate full marks for the questions

Simple calculator can be used in this paper

#### ( SECTION : A-OBJECTIVE )

(Marks: 10)

Tick ( $\checkmark$ ) the correct answer in the brackets provided :

 $1 \times 10 = 10$ 

1. Non-algebraic functions are also called

(a) exponential functions ( )

- (b) cubic functions ( )
- (c) transcendental functions ( )
- (d) constant functions ( )

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2. A set which contains all the elements in question is

- (a) null or empty set ( )
- (b) equivalent set ()
- (c) equal set ()
- (d) universal set ()
- 3.  $\frac{d^2y}{d^2x} < 0$  means that
  - (a) the slope of curve tends to increase ()
  - (b) the slope of curve tends to decrease ( )
  - (c) the value of function tends to increase ( )
  - (d) the value of function tends to decrease ()
- 4. The partial derivative of  $z = 2x^2 + xy y^2$  with respect to x is
  - (a) 4x + y ( )
  - (b) 4x + x ()
  - (c) 2x + y 2y ()
  - $(d) \quad 2x + x y \quad ()$

5. If the marginal cost function of a firm is  $MC = 6x^2 + 2x$ , where x is output, the total cost function will be

. .

$$(a) 2x^3 + 2x^2 + c \qquad ()$$

- (b)  $2x^3 + x^2$  ( )
- (c) 12x+2 ()

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- (d)  $3x^2 + 2x$  ()
- 6. \_\_\_\_ has a numerical value independent of the constant C.
  - (a) An indefinite integral ()
    (b) A definite integral ()
    (c) A constant integral ()
  - . ,
  - (d) None of the above ()
- 7. A square matrix A is singular, if
  - (a)  $|A| \neq 0$  ( ) (b) |A| > 0 ( ) (c) |A| < 0 ( ) (d) |A| = 0 ( )

8. Transpose of transpose of a matrix (A')' is

- (a) the original matrix ()
- (b) zero ( )
- (c) one ( )
- (d) infinity ( )

9. In linear programming problem, the optimal solution should be

- (a) basic but not feasible ()
- (b) feasible but not basic ( )
- (c) basic as well as feasible ( )
- (d) neither basic nor feasible ()
- 10. Multiple optimal solutions arise in linear programming problem in case where the
  - (a) constraint functions have different slopes ( )
  - (b) objective and constraint functions have equal slope ( )
  - (c) objective and constraint functions have unequal slope ( )

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(d) two or more constraint lines are intersecting each other

# (SECTION : B-SHORT ANSWERS)

(Marks: 15)

Answer the following :

UNIT-I

1. Explain Cartesian product with suitable example. OR

2. Define null and universal sets.

# UNIT-II

3. What are the first-order and second-order conditions for optimization?

# OR

4. Mention the relationship between average and marginal cost curves.

# UNIT-III

5. Define producer's surplus.

# OR

**6.** If MR = 20 - 2q, find the total revenue when q = 5.

# UNIT-IV

7. Define rank of a matrix.

# OR

8. Explain transpose of a matrix.

# Unit—V

Explain basic and feasible solutions.

# OR

10. Formulate the dual problem of the following LPP : Maximize Z = 10x + 5y

subject to

$$x - 5y \le 9$$
$$4x + y \le 7$$
$$x, y \ge 0$$

# ( SECTION : C-DESCRIPTIVE )

( Marks : 50 )

Answer the following :

UNIT-I

1. (a) Distinguish between disjoint and overlapping sets with example.

- (b) Enumerate all the proper subsets of a set  $A = \{a, b, c\}$ .
- (c) Verify the distributive law of union by using the following sets :

 $A = \{1, 3, 4\}, B = \{3, 4, 7\} \text{ and } C = \{4, 5, 8\}$ 

#### OR

- 2. (a) Distinguish between dependent and independent variables.
  - (b) If the supply and demand functions for a commodity  $q_s = 20p + 8$  and  $q_d = 4p + 20$  respectively, find the equilibrium price
  - (c) In a certain examination, 53 percent students passed in Economics. 61 percent in Politics, 60 percent in History, 24 percent in Economics and Politics, 35 percent in Politics and History, 27 percent in Economics and History and 5 percent passed in none of these subjects. How many students passed in all the three subjects?

[ C

#### UNIT-II

- з 3. (a) Find the derivatives of y = (3x+5)(2x+3y). (b) Determine whether the function  $y = 3x^2 - x + 1$  is maximum or 4 minimum. (c) The total revenue (R) and total cost (C) functions of a firm are given by  $R = 30Q - Q^2$  and C = 20 + 4Q respectively, where Q is the output. 3 Find the equilibrium output of the firm. OR 4. (a) Find the elasticity of demand for the demand function  $q = 25 - 4p + p^2$ , 3+1=4where p = 5 and interpret the result. (b) The total cost function is given by  $C = Q^3 - 2Q^2 + 2Q$ . (i) Find MC function. (ii) Verify that at a minimum of average cost, AC = MC. 1+5=6UNIT-III  $2 \times 2 = 4$ 5. (a) Evaluate the following (any two) : (i)  $\int 3x(x^2+2x+1)dx$ (ii)  $\int x \log x \, dx$ (iii)  $\int (x^2 + 2e^x + \frac{1}{x}) dx$ (iv)  $\int_{0}^{2} (3x^{2} + 2x + 5) dx$ (b) Define consumer's surplus. Find the consumer's surplus for the 2+4=6
- demand function  $p = 36 x^2$ , when equilibrium  $p = \overline{< 5}$ .

#### OR

- The marginal revenue function of a firm is given by MR = 200 6q, **6**. (a) where q is the output. Find the total revenue, when q = 3.
  - (b) The demand and supply laws are given by  $p_d = 16 x^2$  and  $p_s = 4 + x$ respectively. Determine the producer's surplus under pure completion. 4
  - The marginal cost function of a firm is MC = 100 4q. Find the total cost (c) function and the average function. 2

4

- 7. (a) What is an idempotent matrix?
  - (b) Given :

$$A = \begin{bmatrix} 1 & 3 \\ 2 & 4 \end{bmatrix} \text{ and } B = \begin{bmatrix} 0 & -1 \\ 2 & 3 \end{bmatrix}$$

Find (i) 2A - B and (ii) AB.

(c) Write the basic properties of determinants.

#### OR

8. (a) Obtain the inverse of the matrix

# $A = \begin{bmatrix} 3 & 4 \\ 1 & 2 \end{bmatrix}$

(b) Solve the following equations by Cramer's rule :

$$2x + 3y + 4z = 29$$
  
 $3x + 2y + 5z = 32$   
 $5x + y + 2z = 25$ 

#### Unit-V

9. Solve the following LPP by graphical method and indicate the feasible region in the diagram : 8+2=10

Minimize Z = 2x + 3ysubject to

 $x + y \ge 6$  $2x + y \ge 7$  $x + 4y \ge 0$  $x, y \ge 0$ 

#### OR

10. Discuss the various basic assumptions for the application of linear programming problem.
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2+2=4

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7

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#### UNIT—III

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