FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

Third Semester BA Degree Examination, November 2021

BEC3B03 – Quantitative Methods for Economic Analysis I

(2019 Admission onwards)

Time: 2 ½ hours   Max. Marks : 80

Section A
Short answer questions: maximum mark in this section is 25. Student can attend all questions. Each question carries 2 marks.

1. Evaluate $\left(\frac{-2}{7}\right)^{-4} \times \left(\frac{-5}{7}\right)^2$

2. Solve the Quadratic equation $4x^2 + 13x + 3 = 0$

    by square root formula

3. Solve the following simultaneous equations

$$4x - 3y - 15 = 0$$
$$3x - 3y - 6 = 0$$

4. Identify whether the following ordered pairs are functions or not?

    $C = \{(1, 6), (2, 5), (1, 9), (4, 3)\}$

5. Find the slope of a curve $2x = -4y + 5$

6. What is random sampling?

7. What is a questionnaire?

8. What is the significance of Histogram ?

9. What are the two Principles of forming frequency distribution ?

10. What is Quartile Deviation

11. What is Range and its limitations?

12. Differentiate Linear and nonlinear correlation?

13. Find the distance between two points $(1,4)$ and $(4,8)$

14. Differentiate between function and relation?

15. Solve the equation $3y + 4 = 7 - 2y$

Section B

Paragraph type questions. Maximum mark in this section is 35. Student can attend all questions. Each question carries a maximum of 5 marks.

16. Solve

$$2x + 3y - z = 9$$

$$x + y + z = 9$$

$$3x - y - z = -1$$

17. Solve

$$3x + 2y + 3x = 22$$

$$2x + 2y - z = 9$$

$$3x + 4y - 5z = 3$$

18. What are the scale of measurement of variables?

19. Economics and Statistics are twin sisters: comment with the suitable example?

20. Calculate the simple and weighted arithmetic mean price per tonne of sugar purchased by a Store for the half year. Accounts the difference between two?

Month	Price/tonne	Tonnes Purchased
January	4205	25
February	5125	30
March	5000	40
April	5200	52
May	4425	10
June	5400	45

21. Draw ogives for the following data and locate Median?

Weekly wages	No of Workers
0-20	10
20-40	20
40-60	40
60-80	20
80-100	10

22. From the following data. Compute the coefficient of correlation?

	X series	Y Series
No of items	6	6
Arithmetic Mean	350	138
Squares of deviation from Mean	19	94

23. What does correlation measure? And how it is different from regression?

Section C
Essay type questions. Answer any 2 questions. Each question carries a mark of 10.

24. What are the various stages of a statistical study or investigation?

25. Discuss the detailed Process of Constructing Interview Schedule?

26. From the following data. Compute the Karl Pearson coefficient of correlation?

Y	10	12	18	16	15	19	18	17
X	30	35	45	44	42	48	47	46

27. Two girls were asked to rank 10 different types of garments. The rank they assigned as follows. Calculate rank correlation

Garment	A	B	C	D	E	F	G	H	I	J
Girl 1	1	6	3	9	5	2	7	10	8	4
Girl 2	6	8	3	7	2	1	5	9	4	10

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

Third Semester BA Degree Examination, November 2021

BEC3B04 – Macro Economics - I

(2019 Admission onwards)

Time: 2 ½ hours   Max. Marks : 80

Section A

Short answer questions: maximum mark in this section is 25. Student can attend all questions. Each question carries 2 marks.

1. Define Macroeconomics.

2. Define stock variable.

3. Describe static analysis.

4. What you mean by circular flow of income.

5. What is per capita income?

6. Distinguish between potential and actual GNP.

7. What is disposable income?

8. Write a note on black economy.

9. What is meant by laissez-faire system?

10. Define Pigou effect.

11. State the equation of exchange.

12. Define velocity of money.

13. Define aggregate demand function.

14. Define MPC.

15. Define life cycle hypothesis of consumption.

Section B

Paragraph type questions. Maximum mark in this section is 35. Student can attend all questions. Each question carries a maximum of 5 marks.

16. Describe the meaning of macroeconomic model with an example.

17. Discuss the four sector model of circular flow.

18. Write a note on MOSPI and National Account statistics.

19. Briefly explain the difficulties in estimating national income in India.

20. Examine how equilibrium is achieved in labour market under classical theory.

21. Explain quantity theory of money.

22. Write a note on aggregate demand function.

23. Briefly Explain relative income hypothesis.

Section C

Essay type questions. Answer any 2 questions. Each question carries a mark of 10.

24. Explain the origin and evolution of Macroeconomics.

25. Write a note on national accounts statistics. Also examine various difficulties faced in the estimation of national income in India.

26. Explain core ideas of classical economics. Also examine the major limitations of classical economics.

27. Explain liquidity preference theory of Keynes. Also discuss its major limitations.

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

Third Semester BA Degree Examination, November 2021

BEC3C04 – Mathematical Methods for Economics III

(2019 Admission onwards)

Time: 1 ½ hours   Max. Marks : 40

Part A
(Very Short Answer Type Questions. Each question carries 2 Marks)

1. Distinguish between increasing and decreasing function

2. Find the open interval on which function is increasing or decreasing

   $y = 9x^2 - 72x + 150$

3. Find the relative extrema of the function $y = 90 - 40x + 4x^2$

4. Distinguish between point elasticity and arc elasticity?

5. Given the demand function $Q = \dfrac{130}{p} - 0.2p + 9$. Find point elasticity when p=11

6. Distinguish between total differential and total derivatives

7. $Z = 6x^3 + 8x^2y + 2y^2$. Find f_1 and f_2

(Ceiling 10 Marks)

Part B
(All questions may be answered. Each question carries 5 marks)

8. What do you mean by inflection point? Find the inflection point of the following function

   $y = x^3 - 3x^2 + 8$

9. Find the relative extrema of the function $y = 3x^4 - 10x^3 + 6x^2 + 12$

10. Given $TC = 4Q^2 + 10Q + 1600$. When will Average Cost is minimum?

11. It is given that AC $= 1/3x^2 - 10x + 9$. Find the level of output at which average cost is equal to marginal cost

12. $y = (9x_1^4 + x_1^3x_2^2 + x_1x_2)$. Find f_{11} and f_{22}

(Ceiling 20 Marks)

Part C (Short Answer Questions)
Answer *any one of the following* questions

13. Discuss uses of derivatives in mathematics. Give suitable examples

14. The cost function of a monopolist is C = 40+ 12X and the demand function as P = 60- 3X. What is his profit maximizing output level and maximum profit?

(1 x 10 = 10 Marks)

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

Third Semester BA Sociology/Economics Degree Examination, November 2021

BHS3C01 – Modern Indian History 1857 to the present

Indian National Movement – Gandhian Phase (1917-1947)

(2019 Admission onwards)

Time: 1 ½ hours   Max. Marks : 40

Section -A
All questions may be answered. Each question carries 2 marks

1. Champaran Satyagraha
2. Anti Rowlatt Act agitations
3. Non Cooperation Movement
4. Swaraj Party
5. Bhagat Singh
6. Hind Swaraj
7. Gandhi and Anarchy

(Ceiling =10 Marks)

Section B
All questions may be answered (Each question carries 5 marks)

8. Write a note on the Montague Chelmsford Reforms.
9. Explain beifly on the Champaran Satyagraha
10. Evaluate the reasons for the foundation of the Swaraj Party?
11. All india Khilafat Committee and its activities.
12. Write briefly on the significance of Gandhi - Irwin Pact

(Ceiling =20 Marks)

Section C (answer any one of the questions)

13. Discuss the emergence of Mahatma Gandhi in Indian Politics
14. Discuss the background of the Quit India Movement. Was it a success or failure?

(1 x 10 = 10 marks)

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

Third Semester BA English Degree Examination, November 2021

BHS3C03 – Social and Cultural History of Britain

History of Revolutions and Era of Colonialism

(2019 Admission onwards)

Time: 1 ½ hours   Max. Marks : 40

Section -A
All questions may be answered. Each question carries 2 marks

1. Who was the ruler of Britain during the Glorious Revolution?

2. Who issued a Declaration of Indulgence in 1687?

3. Who was invited to England by the eminent Englishmen?

4. 'Emma' is a novel written by----------------------

5. The Act which abolished slavery in the British dominions was---------------------

6. To which Political Party did Gladstone belong to?

7. When was the Bill of Rights enacted in England?

(Ceiling =10 Marks)

Section B
All questions may be answered (Each question carries 5 marks)

8. Evaluate the poetical imaginations of John Dryden.

9. Review the work *White Man's Burden.*

10. 'Orientalism put forward the concept of cultural colonialism'. – Comment.

11. How John Kay's writings reflected the socio-cultural sphere of modern Britain.

12. How Evangelicalism affected the British society?

(Ceiling =20 Marks)

Section C (answer any one of the questions)

13. Conceptualise the terms Manifest Destiny, Utilitarianism, Anglicism and Orientalism.

14. Analyze the neoclassicism in England.

(1 x 10 = 10 marks)