

63/1 (SEM-1) CS/ENGCS1016

2022

(Held in 2023)

ENGLISH

Paper : ENGCS1016

(English—I)

Full Marks : 80

Pass Marks : 32

Time : 3 hours

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

1. Choose the correct answer : $1 \times 6 = 6$

(a) Who is the poet of the poem, *This is a Photograph of Me* ?

(i) W. B. Yeats

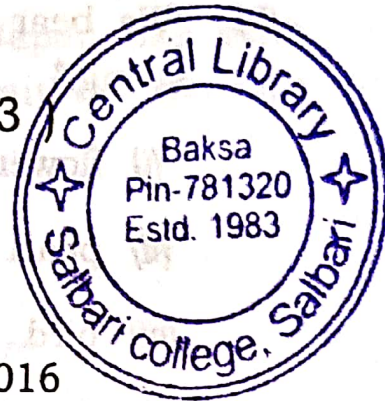
(ii) P. B. Shelley

(iii) Margaret Atwood

(iv) None of them

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(Turn Over)



(b) "We bear her along like a _____ on a string."

(i) flower

(ii) pearl

(iii) bird

(iv) All of the above

(c) To whom are the questions aimed at in the poem, *No Second Troy*?

(i) People of Ireland

(ii) Maud Gonne

(iii) Rulers of England

(iv) God

(d) Name the book which is written and dedicated to the memory of the British Empire.

(i) *The Decline and Fall of the Roman Empire*

(ii) *Sense and Sensibility*

(iii) *The Autobiography of an Unknown Indian*

(iv) None of the above

(e) Whose experience in Japan has been mentioned by the author in *Our Behaviour*?

(i) Mahatma Gandhi

(ii) Rabindranath Tagore

(iii) Nirad C. Chaudhuri

(iv) Ruskin Bond

(f) *An Inspector Calls* is a _____ Act play.

(i) three

(ii) four

(iii) five

(iv) six

2. Answer the following questions : $2 \times 5 = 10$

(a) Rewrite the following sentences using the verbs in the brackets :

(i) I (meet) him in Mumbai in 1980.

(ii) When it gets warmer, the snow (start) to melt.

(4)

(b) Make sentences using the following phrases :

hold good

at the eleventh hour

(c) Punctuate the following sentence :

dear me she said when she saw four plates laid on the table why is there an extra plate more clear it away at once.

(d) Change the voice of the following sentences :

(i) His behaviour charmed me.

(ii) Indiscipline should not be encouraged.

(e) Change the narration of the following sentences :

"My garden is my own garden," said the Giant, "I will allow nobody to play in it but myself."

(5)

3. Answer any six of the following questions :
5×6=30

(a) What is the significance of the sudden memory of the poet's mother on the funeral pyre at the end of the poem, *Dawn at Puri*?

(b) Do you consider *No Second Troy* as a love poem? Justify your answer.

(c) Narrate the thoughts and feelings of the palanquin bearers as they carry the bride.

(d) Write a short note on the significance of the title of the poem, *This is a Photograph of Me*.

(e) How does P. B. Shelley convey his feelings, in Stanza written in *Dejection, Near Naples*?

(f) What do you mean by split personality? Explain with reference to *Our Behaviour*.

(g) Briefly assess the role of Inspector Goole in the play, *An Inspector Calls*.

(6)

(h) "The character of English is essentially middle class." Elaborate.

(i) Explain the two-fold duty of the writers as mentioned in the essay, *Nobel Prize Acceptance Speech* by Albert Camus.

4. Answer any *two* of the following questions :

10×2=20

(a) Do you think the Birling family were involved in the death of Eva Smith? Elaborate.

(b) Narrate the story that explains the key difference between the English and the French Character.

(c) Write the experience about Rabindranath Tagore's visit in Japan in *Our Behaviour*.

5. Answer any *one* of the following questions : 14

(a) Write a note on the theme of the play, *An Inspector Calls*.

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(Continued)

(7)

(b) "A man has to mind his own business and look after himself—and his own." Do you agree with the assertion of Mr. Birling? Give a reasoned answer.

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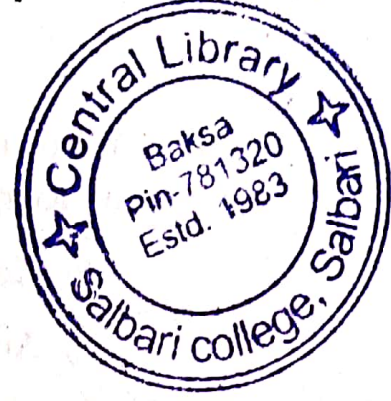
63/1 (SEM-1) CS/ENGCS1016

63/1 (SEM-1) CC1/ENGHC1016

2022

(Held in 2023)

ENGLISH



Paper : ENGHC1016

(Indian Classical Literature)

Full Marks : 80

Pass Marks : 32

Time : 3 hours

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

1. Select the appropriate option : 1×6=6

(a) The object that Shakuntala lost was

(i) ring

(ii) deer

(iii) flower

(iv) chariot

(b) *Cilappatikaram* is a _____ epic.

(i) Telugu

(ii) Tamil

(iii) Malayalam

(iv) Kannada

- (c) Who, among the following, is not a son of Kunti?
- Karna
 - Arjuna
 - Sahadeva
 - Bheema
- (d) The name of Charudatta's son is
- Roshana
 - Vita
 - Rohana
 - Rohasena
- (e) Kannagi is deified as the Goddess of
- love
 - chastity
 - learning
 - valour
- (f) Who helped Draupadi from being completely disrobed?
- Vikarna
 - Vidura
 - Bhishma
 - Krishna

2. Answer the following in brief : $2 \times 5 = 10$
- Name the real parents of Shakuntala.
 - Who are the foster parents of Karna?
 - What happens to the Pantiyan King and Queen in *The Book of Vanci*?
 - What is the prominent 'Rasa' (sentiment) of the play, *Mrichchhakatika*?
 - How is a Rupaka different from a Nataka?
3. Write short answers to any six of the following questions : $5 \times 6 = 30$
- What ethics of Karna is revealed in 'The Temptation of Karna' episode?
 - What is the function of the ring in *Abhijnana Shakuntalam*?
 - Write briefly on the character of Kannagi.
 - What is the significance of Draupadi's questions in the 'Dicing Event'?
 - Draw a character sketch of Vasantasena.
 - Assess the character of Dushyanta.
 - How does fate, according to Vasantasena, behave with the fortune of men?

- (h) Comment on the idea of infidelity in *Cilappatikaram*.
- (i) Write a note on the significance of 'Rasa' in Indian Classical Literature with reference to the prescribed texts.
4. Write analytical answers to the following questions (any two) : $10 \times 2 = 20$
- (a) Analyze the significance of the 'Game of Dice' in the *Mahabharata*.
- (b) Analyze the idea of 'Heroic' with reference to the texts prescribed in your syllabus.
- (c) Comment on the dramatic function of Vasantasena's ornaments in *Mrichchhakatika*.
5. Write essay-type answer to the following (any one) : 14
- (a) "The world of the *Mahabharata*, when seen from the point of view of women, is one of power structures controlled by men." How does the prescribed part of the epic bring this out? Discuss.
- (b) Comment on the women's status and value of chastity from your study of *Cilappatikaram*.

2022

ALTERNATIVE ENGLISH

Paper : CS

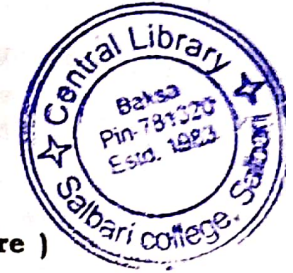
(British and American Literature)

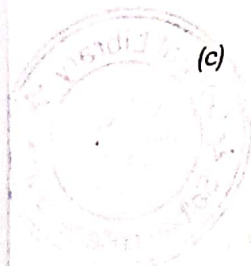
Full Marks : 80

Time : 3 hours

The figures in the margin indicate full marks
for the questions

1. Choose the correct answer from the following : $1 \times 6 = 6$
- (a) "That in _____ ink my love may still shine bright."
- (i) yellow
- (ii) black
- (iii) white
- (iv) blue
- (b) In his poem, *To a Skylark*, Shelley compared the skylark to
- (i) a poet
- (ii) a glow worm
- (iii) a princess in a tower
- (iv) All of the above





- (c) What is the 'drowsy numbness' that the speaker experiences in *Ode to a Nightingale*?
- (i) A feeling of love
 - (ii) A drugged feeling
 - (iii) An anxiety
 - (iv) A calmness
- (d) Byzantium is an old name of
- (i) Constantinople or Istanbul
 - (ii) Turkey
 - (iii) Ireland
 - (iv) Rome
- (e) Which poem is also known as *A Dream Deferred*?
- (i) *Sonnet 65*
 - (ii) *Dover Beach*
 - (iii) *Harlem*
 - (iv) *Piano*
- (f) Who is the Lord of the Flies?
- (i) Jack
 - (ii) Ralph
 - (iii) A pig's head
 - (iv) Simon

2. Answer the following questions : $2 \times 5 = 10$
- (a) Who is time's best jewel in Shakespeare's *Sonnet 65*?
 - (b) Why did Robinson Crusoe pray for protection?
 - (c) What does the 'Piano' in D. H. Lawrence's *Piano* symbolize?
 - (d) "That is no country for old men." Which country is referred to here and why?
 - (e) What objects were found with the body of the Tollund Man?
3. Answer briefly any six of the following questions : $5 \times 6 = 30$
- (a) What did Robinson Crusoe realize when he came closer to the footprint? What did he do then?
 - (b) Describe the impact of the nightingale's song on Keats.
 - (c) What, according to Pope, are the 'Modes of Self-Love'?
 - (d) What are the various anti-sedition treatments suggested by Francis Bacon?
 - (e) Describe the theme of memory and nostalgia as depicted in the poem, *Piano*.

- (f) Write a short note on the use of dramatic monologue in the poem, *The Last Ride Together*.
- (g) What does the sea symbolize in *Dover Beach*?
- (h) What is the significance of the title, *Harlem*?
- (i) Compare and contrast the characters of Ralph and Jack.

4. Answer any *two* of the following questions :

10×2=20

- (a) Elaborate Shakespeare's views on mortality with reference to *Sonnet 65*.
- (b) Consider *Arms and the Man* as an anti-Romantic comedy.
- (c) Discuss the conflict between the good and the evil in human civilization in *Lord of the Flies*.

5. Answer any *one* of the following :

14

- (a) Bring out the allegorical significance of *Robinson Crusoe*.
- (b) Write a note on the two main themes of *Arms and the Man*.

63/1 (SEM-2) ENG HG/RC
2026 (GE 2/DSC)

2022

ENGLISH

Paper : GE-2/DSC

(**Modern Indian Literature**)



Full Marks : 80

Time : 3 hours

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

1. Choose the correct answer : 1×6=6

(a) Who is the author of the book, *His Share of Sky*?

- (i) Sanjay Hazarika
- (ii) Rashmi Narzary
- (iii) E. M. Foster
- (iv) Rohinton Mistry

(b) How old is Dilnavaz?

- (i) Forty-four
- (ii) Thirty-five
- (iii) Sixty
- (iv) Fifty-seven

(2)

- (c) Leela Benare requests Balu and Punkshe
- (i) to marry her
 - (ii) to give her money
 - (iii) to insult Damle
 - (iv) to protect her from mock trial
- (d) The group of friends in *Silence! the Court is in Session* is engaged in
- (i) a game of cards
 - (ii) a mock trial
 - (iii) a ferocious fight
 - (iv) a malicious gossip
- (e) Who is the protagonist of the short story *The M. C. C.*?
- (i) Rajam
 - (ii) Swaminathan
 - (iii) Sankar
 - (iv) Mani
- (f) From where does Miss Kutpitia buy her milk?
- (i) From the Parsy Dairy Farm
 - (ii) From the gas station
 - (iii) From the street vendor
 - (iv) From the supermarket

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(Continued)

(3)

2. Answer the following questions : $2 \times 5 = 10$

- (a) Mention the images Jayanta Mahapatra uses in his poem, *Captive Air of Chandipur-On-Sea*.
- (b) What is the main issue in Temsula Ao's short story, *These Hills Called Home*?
- (c) Write the names of three friends in the story, *The M. C. C.* by R. K. Narayan.
- (d) What is the theme of the play, *Silence! the Court is in Session*?
- (e) What is the role of the father in the poem, *Night of the Scorpion*?

3. Answer the following questions (any six) : $5 \times 6 = 30$

- (a) Ismat Chughtai's *Lihaaf* deals primarily with women's sexual frustration. Explain.
- (b) Write the summery of the poem, *Relation* by A. K. Ramanujan.
- (c) Discuss the ending of the play, *Silence! the Court is in Session*.
- (d) Briefly discuss the character of Mrs. Kashikar.

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(Turn Over)

- (e) Write short summary of *The Card Sharper's Daughter* by Basheer.
- (f) Briefly analyze the theme of Temsula Ao's *These Hills Called Home*.
- (g) Do you think Narayan has been able to take us to the world of children in his story, *The M. C. C.*? Answer with reference to the text.
- (h) Write, in detail, the theme of the poem, *Night of the Scorpion*.
- (i) What is happening for ages and ages in the poem, *Captive Air of Chandipur-On-Sea*?

4. Answer any two of the following questions :

10×2=20

- (a) Discuss the significance of history and nostalgia in the novel, *Such a Long Journey*.
- (b) Discuss Vijay Tendulkar's art of characterization in *Silence! the Court is in Session*.
- (c) How does Jawad help Siddiqui to think up a plan in Ismat Chughtai's play, *Lihaaf*? Explain.

5. Answer any one of the following questions : 14

- (a) Discuss the ethnic identity in Temsula Ao's *These Hills Called Home*.
- (b) Write a critical appreciation of the poem, *Night of the Scorpion* by Nissim Ezekiel.

63/1 (SEM-5) DSE2/ENGHE5026

2022

(Held in 2023)

ENGLISH

Paper : ENGHE5026



(Literary Criticism)

Full Marks : 80

Pass Marks : 32

Time : 3 hours

The figures in the margin indicate full marks for the questions

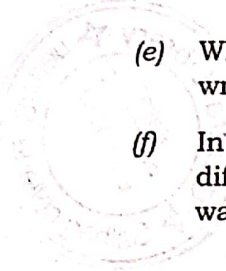
1. Answer the following questions : 1×6=6

(a) In what kind of language does Wordsworth call for poetry to be written in his *Preface to the Lyrical Ballads*?

(b) When was *Biographia Literaria* published?

(c) What does 'Modern Fiction' mean?

(d) What does Harold Bloom's phrase 'the anxiety of influence' mean in relation to Eliot's *Tradition and the Individual Talent*?



- (e) When was the essay, *Modern Fiction* written?
- (f) In what ways is *The Lyrical Ballads* different from much of the poetry that was popular when it was published?

2. Answer the following questions : 2×5=10

- (a) What is the aim of the theory of impersonality?
- (b) Define 'tradition' with reference to the essay, *Tradition and the Individual Talent*.
- (c) Define Secondary Imagination in your own words.

- (d) What are Virginia Woolf's views on modern fiction?
- (e) What is Wordsworth's idea about poetic language?

3. Write short notes on any six of the following :

5×6=30

- (a) Coleridge's notion of 'fancy'
- (b) Cleanth Brooks' concept of the Language of Paradox
- (c) I. A. Richards' concept of 'intention'

- (d) Wordsworth's idea of poetry as 'the spontaneous overflow of powerful feeling'
- (e) Coleridge as a critic
- (f) Eliot's assimilation of individual talent of a poet with tradition
- (g) Woolf's suggestions on the portrayal of life in modern fiction
- (h) The major concerns of Wordsworth in his *Preface to the Lyrical Ballads*
- (i) I. A. Richards' focal points in Practical Criticism

4. Answer any two of the following questions :

10×2=20

- (a) Discuss Eliot's view of relationship between the individual poet and the tradition.
- (b) Examine Coleridge's idea on organic unity of poetry as discussed in Chapter-XIV of the *Biographia Literaria*.
- (c) Evaluate I. A. Richards' contribution to Literary Criticism.

5. Answer any one of the following questions : 14

(a) Evaluate Cleanth Brooks as a New Critic.

(b) Assess Wordsworth's *Preface to the Lyrical Ballads* as a manifesto of the Romantic Criticism.

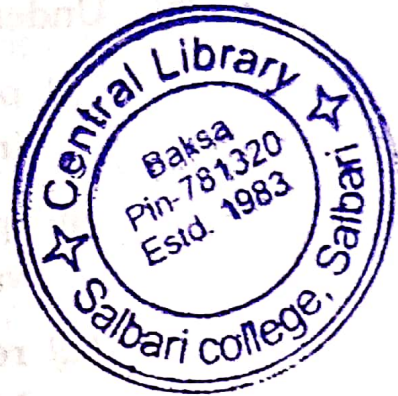
63/1 (SEM-1) CC1/ECOHC1016

2022

(Held in 2023)

ECONOMICS

Paper : ECOHC1016



(**Introductory Microeconomics**)

Full Marks : 80

Pass Marks : 32

Time : 3 hours

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

1. Choose the correct answer from the following : 1×6=6

(a) Which of the following is an economic activity?

(i) Teaching of a teacher in the school

(ii) To teach son at home

(iii) To serve her child by mother

(iv) To play football by a student

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(Turn Over)

- (b) Under the law of demand
- (i) price of a commodity is an independent variable
 - (ii) quantity demanded is a dependent variable
 - (iii) reciprocal relationship is found between price and quantity demanded
 - (iv) All of the above
- (c) For inferior commodities, the income effect is
- (i) zero
 - (ii) negative
 - (iii) infinite
 - (iv) positive
- (d) An inelastic good or service is one in which changes in price witness _____ changes in the quantity demanded or supplied.
- (i) a sharp
 - (ii) no
 - (iii) only modest
 - (iv) Any of the above

- (e) Which of the following is not a source of production?
- (i) Land
 - (ii) Labour
 - (iii) Money
 - (iv) Capital
- (f) If all units are sold at same price, how will it affect AR and MR?
- (i) $AR > MR$
 - (ii) $AR = MR$
 - (iii) $AR + MR = 0$
 - (iv) $AR < MR$
2. Answer the following questions : 2×5=10
- (a) What is independent variable?
 - (b) State the relationship between total utility and marginal utility.
 - (c) What is transitivity assumption of indifference curve?
 - (d) Define explicit cost with an example.
 - (e) Mention the two conditions of profit maximization.

3. Answer any six of the following questions :

5×6=30

- (a) Distinguish between endogenous and exogenous variables.
- (b) "Scarcity is the mother of all economic problems." Examine the statement.
- (c) State and explain the relationship between total utility and marginal utility.
- (d) State the limitations of indifference curve analysis.
- (e) Discuss in brief the properties of an isoquant.
- (f) Write the concept of production possibility curve with the help of suitable diagram.
- (g) What are the relationships among TR, AR and MR?
- (h) What are the differences between private cost and social cost?
- (i) Write a brief note on producer's equilibrium (the optimal input combination).

4. Answer any two of the following questions :

10×2=20

- (a) Define economic statics and economic dynamics. What are their differences?
2+8=10
- (b) What is demand curve? How would you derive a demand curve with the help of indifference curve?
2+8=10
- (c) Define the law of production. Explain the law of variable proportions with the help of suitable diagram.
2+8=10

5. Answer any one of the following questions : 14

- (a) What is meant by an indifference curve? Explain how one consumer attains equilibrium using indifference curve. Mention the superiority of indifference curve analysis over the Marshallian cardinal utility analysis.
2+10+2=14
- (b) Explain the laws of returns of production theory. State the reasons for the operation of the law of diminishing returns. Examine how the law of diminishing returns is applicable to agriculture.
8+2+4=14

63/1 (SEM-2) ECO HG/RC 2026
(GE 2/DSC)

2022

ECONOMICS

Paper : GE-2/DSC



(Principle of Macroeconomics—I)

Full Marks : 80

Time : 3 hours

The figures in the margin indicate full marks
for the questions

1. Choose the correct answer : 1×6=6

শুদ্ধ উত্তৰটো বাছি উলিওৱা :

(a) GNP is equal to

মুঠ ৰাষ্ট্ৰীয় উৎপাদন হ'ল

(i) GDP + NFIA

মুঠ ঘৰুৱা উৎপাদন + বিদেশৰ পৰা হোৱা
উপাদানৰ নিগুট আয়

(ii) GDP + Depreciation

মুঠ ঘৰুৱা উৎপাদন + অৱক্ষয়

(iii) NNP + Depreciation

নিগুট জাতীয় উৎপাদন + অৱক্ষয়

(iv) None of the above

ওপৰৰ এটাও নহয়

(2)

(b) Who is called the father of macro-economics?

সমষ্টিবাদী অর্থবিজ্ঞানৰ পিতৃ বুলি কাক কোৱা হয় ?

(i) Adam Smith

আদাম স্মিথ

(ii) J. M. Keynes

জে. এম. কেইনছ

(iii) J. R. Hicks

জে. আৰ. হিক্স

(iv) Samuelson

ছেমুৰেলছন

(c) NNP_{fc} is also known as

উপাদানৰ ব্যয়ত নিগুট জাতীয় উৎপাদনক

(i) NNP_{mp}

বজাৰ মূল্যত নিগুট জাতীয় উৎপাদন বুলিও জনা যায়

(ii) national income

ৰাষ্ট্ৰীয় আয় বুলিও জনা যায়

(iii) GNP_{mp}

বজাৰ মূল্যত মুঠ জাতীয় উৎপাদন বুলিও জনা যায়

(iv) None of the above

ওপৰৰ এটাও নহয়

(3)

(d) "Supply creates its own demand."
Who said this statement?

“যোগানে চাহিদাৰ সৃষ্টি কৰে।” এই উক্তিটো কোনে কৈছিল ?

(i) J. M. Keynes

জে. এম. কেইনছ

(ii) Adam Smith

আদাম স্মিথ

(iii) A. C. Pigou

এ. চি. পিগু

(iv) J. B. Say

জে. বি. ছে

(e) Aggregate demand curve is

সামগ্ৰিক চাহিদা বেখা হ'ল

(i) parallel to ox axis

ox অক্ষৰ সমান্তৰাল

(ii) upward sloping

ওপৰলৈ উঠি যোৱা

(iii) downward sloping

তললৈ নামি যোৱা

(iv) convex

উত্তল

(f) Net export means
নিষ্পট বণ্ঠানি হ'ল

(i) $X - M$
বণ্ঠানি - আমদানি

(ii) $M - X$
আমদানি - বণ্ঠানি

(iii) $X = M$
বণ্ঠানি = আমদানি

(iv) None of the above
ওপৰৰ এটাও নহয়

2. Answer the following questions : $2 \times 5 = 10$

তলৰ প্ৰশ্নবোৰৰ উত্তৰ দিয়া :

(a) What is national income?
ৰাষ্ট্ৰীয় আয় কি?

(b) Distinguish between final goods and intermediate goods.
চূড়ান্ত দ্ৰব্য আৰু মধ্যৱৰ্তী দ্ৰব্যৰ মাজত পাৰ্থক্য দেখুওৱা।

(c) What is personal disposable income?
ব্যক্তিগত ব্যয়যোগ্য আয় কি?

(d) Define consumption function.
উপভোগ ফলন কি?

(e) Write two assumptions of Keynes theory of income and employment.
কেইনছৰ আয় আৰু নিয়োগ তত্ত্বৰ দুটা অভিধাৰণা লিখা।

3. Answer the following questions (any six) :

$5 \times 6 = 30$

তলৰ প্ৰশ্নবোৰৰ উত্তৰ দিয়া (যি কোনো ছয়টা) :

(a) Explain the circular flow of income in three-sector economy.
ত্ৰিখণ্ডীয় অৰ্থনীতিত আয়ৰ চক্ৰীয় প্ৰবাহৰ ব্যাখ্যা আগবঢ়োৱা।

(b) Explain briefly the income method to calculate GDP in a country.
দেশ এখনত মুঠ ঘৰুৱা উৎপাদন গণনাত ব্যৱহাৰ হোৱা আয় পদ্ধতিটো চমুকৈ ব্যাখ্যা কৰা।

(c) Explain GNP as a measure of economic welfare.
মুঠ ৰাষ্ট্ৰীয় উৎপাদনক অৰ্থনৈতিক কল্যাণৰ এটি ভাল পৰিমাণ হিচাপে ব্যাখ্যা কৰা।

(d) Distinguish between nominal GDP and real GDP.
সাধাৰণ মুঠ ঘৰুৱা উৎপাদন আৰু প্ৰকৃত মুঠ ঘৰুৱা উৎপাদনৰ মাজত প্ৰভেদ দেখুওৱা।

(e) What do you mean by APC and MPC? Explain briefly.
গড় উপভোগ প্ৰৱণতা আৰু প্ৰান্তিক উপভোগ প্ৰৱণতা বুলিলে কি বুজা? চমুকৈ ব্যাখ্যা কৰা।

(f) Write the assumptions of classical theory of employment.

নিয়োগৰ সংস্থাপিত তত্ত্বটোৰ অধিধাৰণাবোৰ লিখা।

(g) Write the components of aggregate demand.

সামগ্ৰিক চাহিদাৰ উপাদানবোৰ লিখা।

(h) Compare classical theory of employment with Keynesian theory of employment.

নিয়োগৰ সংস্থাপিত তত্ত্বটোৰ সৈতে কেইনছৰ নিয়োগ তত্ত্বটোৰ তুলনা কৰা।

(i) What do you mean by the problem of double counting? How can it be avoided?

দ্বৈত গণনাৰ সমস্যা বুজিলে কি বুজা? ইয়াক কেনেদৰে পৰিহাৰ কৰিব পাৰি?

4. Answer the following questions (any two) :

10×2=20

তলৰ প্ৰশ্নবোৰৰ উত্তৰ দিয়া (যি কোনো দুটা) :

(a) Explain circular flow of income in a two-sector economy.

দুটা খণ্ড থকা অৰ্থনীতি এখনত আয়ৰ চক্ৰীয় প্ৰবাহৰ ধাৰণাটো ব্যাখ্যা কৰা।

(b) Explain the value-added method to calculate GDP in a country.

দেশ এখনৰ মুঠ ঘৰুৱা উৎপাদন গণনাত ব্যৱহাৰ হোৱা মূল্য সংযোজন পদ্ধতিটো ব্যাখ্যা কৰা।

(c) Critically discuss the classical theory of employment.

নিয়োগৰ সংস্থাপিত তত্ত্বটো সমালোচনাসহ ব্যাখ্যা কৰা।

5. Answer the following questions (any one) : 14

তলৰ প্ৰশ্নবোৰৰ উত্তৰ দিয়া (যি কোনো এটা) :

(a) Write down some of the limitations of using GDP as an index of welfare of a country.

এখন দেশৰ কল্যাণৰ সূচক হিচাপে মুঠ ঘৰুৱা উৎপাদনক ব্যৱহাৰ কৰাত কেনেধৰণৰ সীমাবদ্ধতা আছে, লিখা।

(b) What is meant by effective demand? How is it determined?

সক্ৰিয় চাহিদা কি? ইয়াক কিদৰে নিৰ্ধাৰণ কৰা হয়?

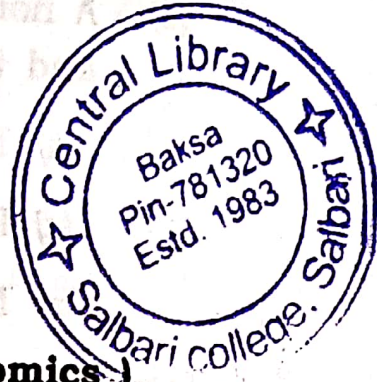
63/1 (SEM-3) CC7/ECOHC3076

2022

(Held in 2023)

ECONOMICS

Paper : ECOHC3076



(Statistical Methods for Economics)

Full Marks : 80

Pass Marks : 32

Time : 3 hours

The figures in the margin indicate full marks
for the questions

1. Choose the correct answer from the
following : $1 \times 6 = 6$

(a) Which of the following is the measure of
central value?

(i) Median

(ii) First quartile

(iii) Third quartile

(iv) None of the above

(b) The geometric mean of $1/32$ and
 $8/25$ is

(i) $1/10$

(ii) $1/100$

(iii) 10

(iv) 100

KB23/375

(Turn Over)

- (c) A normal curve is defined by the mean and the standard deviation.
- True
 - False
 - None of the above
- (d) If r is the correlation coefficient, then the quantity $(1-r^2)$ is called
- coefficient of determination
 - coefficient of non-determination
 - coefficient of alienation
 - None of the above
- (e) Out of all the measures of dispersion, the easiest one to calculate is
- standard deviation
 - range
 - variance
 - quartile deviation
- (f) The mean of a binomial distribution is
- pq
 - np
 - nq
 - None of the above

2. Answer the following questions : 2×5=10

- When is rank correlation used?
- Define kurtosis.
- Explain two uses of weighted mean.
- What are the types of random variable?
- Define partial correlation.

3. Answer any six of the following questions : 5×6=30

- Given $P(A \cup B) = 0.47$ and $P(B) = 0.30$. If the events A and B are independent, calculate $P(AB)$.
- Explain the characteristics of a good average.
- State the multiplication or compound theorem of probability.
- A bag contains 6 white, 4 red and 10 black balls. 2 balls are drawn at random. Find the probability that they will both be black.
- Prove that $E(x-u) = 0$, where $E(x) = u$.
- Explain the roles of sampling theory.
- Show that in binomial distribution mean $>$ variance.

- (h) Differentiate between absolute and relative dispersion.
- (i) Explain the role of sampling theory.

4. Answer any *two* of the following questions :

10×2=20

- (a) State the merits and limitations of Karl Pearson's coefficient of correlation.

5+5=10

- (b) A throws a coin thrice. If he gets a head in all the three throws, he wins ₹ 1,200. Otherwise, he has to lose ₹ 150. Find the mathematical expectation of gain of A.

- (c) Write the merits and demerits of sample survey.

5+5=10

5. Answer any *one* of the following questions : 14

- (a) The probability of failure in physics practical examination is 20%. If 25 batches of 6 students each appear at the examination, in how many batches 4 or more students would pass?

- (b) What do you understand by sample survey? Briefly explain the principal steps in a sample survey.

2+12=14
