Chief Executive & Secretary
GERRY ARATHOON
M.A., B.Ed.

16th May 2020

To: All the Heads of ISC Affiliated Schools

Dear Principal,

Subject: English and Mathematics to have 20 marks Project work component for ISC Year 2021 Examination.

The CISCE had introduced a 20 marks Project Work for the subjects English and Mathematics from the ISC Year 2022 Examination. The CISCE has now decided to introduce the same for the ISC Year 2021 Examination also.

The existing pattern of a 100 marks Question Paper in the two subjects shall now be replaced with two components in each of these Subjects/Papers, i.e. **Theory Paper (80 marks) and Project Work (20 marks).**

The lists of the various topics that the candidates may choose from, for their Project Work of the two subjects, are attached herewith.

The pattern/method of assessment of the Project Work shall be the **same as** given in the document **ISC Year 2022 Regulations & Syllabuses,** available on the website of the Council, i.e., www.cisce.org

The Specimen Question Papers in the two subjects, i.e. English and Mathematics will soon be made available on the website of the Council.

You are, therefore, requested to disseminate the above information to the students, teachers and parents.

With warm regards,

Yours sincerely,

Gerry Arathoon
Chief Executive & Secretary

Encl.as above

PROJECT WORK FOR ISC YEAR 2021 – ENGLISH 1 & 2

ISC YEAR 2021 (ENGLISH PAPER 1)		
1. LISTENING SKILL	**5 MARKS (INTERNAL)**	
2. SPEAKING SKILL	**5 MARKS (INTERNAL)**	
SPEAKING SKILL TOPICS *(any one)*		**EXAMPLES**
1. Narrating an experience.		An incident from my childhood days.
2. Giving a report.		A report of a school event.
3. Expressing an opinion or theme based conversation.		What is your opinion of on-line learning?
WRITING SKILL (Length - 500 words)	**10 MARKS (EXTERNAL)**	
WRITING SKILL TOPICS *(any one)*		**EXAMPLES**
1. Description of a process.		Description of how to operate a device, cook a dish or conduct a scientific experiment.
2. A description of a sporting event.		A description of a cricket match.
3. An autobiographical experience.		The day I learnt the lesson of punctuality.
4. A review of a TV serial.		A review – favourable or unfavourable of any TV serial.
ISC YEAR 2021 – (ENGLISH – 2) **(Length – 1000 to 1500 words)**		
TOPICS *(any one)*		**EXAMPLES**
1. Analysis of the theme of any story or poem from the prescribed texts.		Discuss the attitudes to war presented in the poem *John Brown.*
2. Analysis of a character from the play, short stories or poems in the prescribed texts.		Analyse the character of either *Caliban* from *The Tempest, Salvatore* from *the short story or John Brown* from *the poem.*
3. Summary or paraphrase of a story or poem.		
4. An alternate outcome to any of the chosen texts.		Provide an alternate ending to the short story *Fritz.*
5. Comparison of two characters from two different texts.		Compare the two woman characters of *The Singing Lesson* and *The Story of an Hour.*

PROJECT WORK FOR ISC YEAR 2021-MATHEMATICS

PAPER II – PROJECT WORK – 20 Marks

Candidates will be expected to have completed two projects (One from Section A and other one from Section B/C of Theory).

Section A

1. Using graph to demonstrate a function which is invertible function.

2. Explore the principal value of the function $\sin^{-1} x$ (or any other inverse trigonometric function) using a unit circle.

3. For a dependent system (non-homogeneous) of three linear equations of three variables, identify infinite number of solutions.

4. Explain the concepts of increasing and decreasing functions, using geometrical significance of dy/dx. Illustrate with proper examples.

5. Illustrate the concept of definite integral $\int_{a}^{b} f(x)\, dx$, expressing as the limit of a sum and verify it by actual integration.

6.   Explain conditional probability, the theorem of total probability and the concept of Bayes theorem with suitable examples.

Section B

7. Using vector algebra, find the area of a parallelogram/triangle. Also derive the area analytically and verify the same.

8. Find the image of a line with respect to a given plane.

9. Find the area bounded by parabola and an oblique line.

(Any other pair of curves which are specified in the syllabus may also be taken.)

Section C

10. Draw a rough sketch of cost (C), Average Cost (AC) and marginal cost (MC) Or Revenue (R), average revenue (AR) and marginal revenue (MR).

11. For a given data, find regression equations by the method of least squares.

12. Using any suitable data, find the Optimum cost by formulating a linear programming problem (LPP).