

UNIVERSITY OF COLOMBO, SRI LANKA

FACULTY OF ARTS

SECOND YEAR EXAMINATION IN ARTS (ONLINE), SEMESTER II - 2019/2020

GYG 2236 – ENVIRONMENTAL HAZARDS

OPEN BOOK EXAMINATION

Instructions to Students:

- The question paper starts on page 2
- All written assessments must be **handwritten**. Handwriting must be **clear and readable**.
- Answers should be written on an **A4 size paper** (ruled/lined paper/or otherwise), using a **black ball point pen**.
- As is the case of an in-person examination, word processing or type setting of answers will not be permitted. This rule does not apply to any candidate who has been exempted by the University under applicable bylaws (e.g., due to visual impairment).
- The **index number must be written on the top right-hand side** of each page of the answer script. Do not write your name anywhere on the answer script.
- **Number the pages** of the answer script using the following format at the **bottom of the page**: E.g., if it consists of 5 pages 1/5, 2/5...etc.
- Use the **common front page** (provided on LMS) as the first page of the answer script. You may print, or hand write the front page which must be the first page of your assessment.
- The **total number of pages** should be indicated on the front page of the answer script.
- **Scan/take photos of the answer script and convert it to a single PDF file** in the order of the page numbers.
- The full page of the answer script must be properly covered in the scanned image, and the scanned image must be clear/readable.
- LMS does not permit individual pages to be uploaded separately.
- **The only acceptable file format is PDF. The PDF file should be named with your index number**, e.g. A 12345
- Uploading answer scripts as JPEG/JPG or any other form will not be permitted.
- Complete and upload the final version of the answer script to LMS **within the stipulated 24 hours**.
- Once the answer script has been uploaded to LMS, take **a screen shot of the full page** of the LMS with the word 'submitted', as an acknowledgement and keep with you.
- **If** there is an **unexpected technical issue** with the uploading of an answer script to LMS, you may send your answer script via email to exam2@arts.cmb.ac.lk within the stipulated 24-hour period.

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Duration: **24 hours** for completion and submission of answer scripts to LMS

Answer **3** questions only

All questions carry **equal marks**

Maximum word limit for each main question should be: **1,200 (600+600) words**

01.

- (i) Describe the impacts of one of the meteorological hazards with appropriate examples. **(10 marks)**
- (ii) Examine how the Resilience matters to reduce the disaster impacts described in 01(i). **(10 marks)**

02.

- (i) Discuss with appropriate examples, how the anthropogenic activities caused to increase natural disasters. **(10 marks)**
- (ii) “The impacts of Man-made disasters are avoidable”. Do you agree with this idea? Examine your answer citing examples from the recent past decade. **(10 marks)**

03.

- (i) Examine the determining process of the El Nino-Southern Oscillation (ENSO) on the flood and drought disasters in the Tropical region. **(10 marks)**
- (ii) Discuss how the emerging technologies help to assess the drought disasters. **(10 marks)**

04.

- (i) Describe why Sri Lanka is more vulnerable to lightning disasters. **(10 marks)**
- (ii) Examine the mitigation measures to reduce the vulnerability of lightning disasters. **(10 marks)**

05.

- (i) Explain your ideas about the most effective measures that need to be considered to reduce the adverse impacts of Covid-19 pandemic in the Sri Lankan context? **(10 marks)**
- (ii) “The impacts of Covid-19 pandemic in the developed countries are greater than the impacts in the developing countries”. Do you agree with this idea? Examine with appropriate examples. **(10 marks)**

06. The impacts of the following natural disasters varied from one country to another. Examine the reasons with appropriate examples.
- (i) Super Typhoon Goni
 - (ii) Aegean Earthquake

(10*2 = 20 marks)