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B23-CS (Pr) (E) (EN)

2001

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2023

COMPUTER SCIENCE (E)

(Practical Guidelines)

Full Marks : 30

Pass Marks : 09

Time : 2 hours

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



HSLC EXAMINATION, 2023

ARRANGEMENT FOR HOLDING PRACTICAL EXAMINATION IN COMPUTER SCIENCE (E) PRACTICAL GUIDELINES



Required materials to be provided to the examinees by the school :

<i>Hardware</i>	<i>Software</i>
Desktop/Laptop PC with the following Hardware configuration : (1) Monitor (2) Keyboard (3) Mouse (4) CPU (Cabinet)–Hard disk, RAM, etc.	Windows OS based Desktop/ Laptop PC with the following Softwares : (1) Notepad (2) Web browser–Internet Explorer, Mozilla Firefox, Google Chrome, etc. (3) MySQL (4) Turbo C/C++ Compiler

Internal Arrangement :

Generally the Subject Teacher of the Centre School or any one from the Feeder School will act as the Internal Examiner with the support of the Officer-in-Charge of the Centre. He/She will prepare the Practical Room/Laboratory for smooth conduct of the Practical Examination. The External Examiner will visit the Centre on the previous day of the scheduled date of Practical Examination. The Officer-in-Charge of the Centre will open the guidelines in the presence of the External and Internal Examiner. The External Examiner will select the activities to be performed by the candidates and suggest the Internal Examiner to arrange the required materials to be provided to the candidates for their demonstration on the next day. **The Officer-in-Charge/External/Internal Examiner are to strictly ensure the confidentiality of the Examination to be held on the next day.**

It is to be noted that these Practical Guidelines are for Practical Examiners only, not meant for the distribution to the examinees.

The Practical Examiner (both Internal and External) will note the following points while taking Practical Examination of Computer Science candidates :

- (i) Provide proper environment in the Practical Room/Computer Laboratory, so that the candidates can perform all activities very smoothly.
- (ii) Provide encouragement to the candidates so that they perform their best.
- (iii) Permit reasonable time to the candidates to demonstrate each activity.



- (iv) Please provide scope to the weak examinees so that they can perform up to the minimum level of passing the Practical Examination.
- (v) Please ask the candidates to perform the practical from each unit as given below.

1. Type HTML5 code for any **one** of the following : 10

- (a) Create a webpage to form a tabular representation of different district names with their capitals.
- (b) Create a webpage where a student has to choose a day of the month from a drop down list. The page should allow the student to enter atleast one line on what the student plans to do on.



2. Type C program code for any **one** of the following : 7

- (a) Write a C program to print the summation of N numbers entered using the keyboard.
- (b) Write a C program to check whether a number is prime or not.

3. Type MySQL query for the following :

- (a) (i) Create a table 'student' for a database 'school' with StudentId, StudentName, StudentMobile and StudentCategory. Decide your own data types. 5

(ii) Insert the values as follows :

StudentID	StudentName	StudentMobile	StudentCategory
ST001	Rohit Sharma	9864001234	A
ST003	Shreya Ghosh	9435001234	B
ST004	Debojit Goswami	9854022126	B
ST002	Ankur Barua	9954012634	A
ST005	Renuka Kakoti	7000142385	C

(b) Type MySQL query for any **three** of the following : 1 + 1 + 1 = 3

- (i) To display StudentName in the table.
- (ii) To display StudentCategory in ascending order.
- (iii) Display the StudentName whose StudentCategory is 'A'.
- (iv) Display three records in the table.
- (v) Display the Distinct StudentCategory from the table.



4. Viva voce. 5