

Guidelines for Higher Secondary Practical Evaluation, 2020-21

COMPUTER SCIENCE / COMPUTER APPLICATIONS

Lab work as a learning activity crowns an inevitable status for the effective transaction of certain concepts of Computer Science / Computer Applications as well as for enhancing problem solving and coding skills of the learners. To align with outcome focused curriculum, Practical Evaluation (PE) has become an integral part of evaluation process. In addition to the prevailing guidelines of lab work, the pandemic situation of Covid-19 demands some additional but mandatory guidelines to be followed during the conduct of lab work and practical evaluation for the year 2020 - 21.

- Covid-19 protocol (Soap-Mask-Social Distancing) should be followed strictly during lab work.
- Only one student is to be allowed to use a computer at a time.
- Both teachers and students should use hand gloves inside the lab.
- Avoid using air conditioners, if any, while performing lab work.
- The details for conducting practical examination are given below.

Computer Science

C++ Programs (4 Nos.)

Four problems are to be identified from the following (one from each) which require the given C++ structures to find the solution

1. if - else statement
2. switch statement
3. for loop
4. while loop or do - while loop

Note: Problems related to arrays and functions are to be excluded.

HTML Codes (4 Nos.)

Four web pages are to be designed (one from each of the following) using the given facilities of HTML.

5. Features like background colour/image, headings, text formatting and font tags, images, etc.
6. Usage of hyper linking

7. Simple list (ordered / unordered only)
8. Simple table (without rowspan / colspan)

Computer Applications (Commerce)

C++ Programs (4 Nos.)

Four problems are to be identified from the following (one from each) which require the given C++ structures to find the solution

1. if – else statement
2. switch statement
3. for loop
4. while loop or do – while loop

Note: Problems related to arrays and functions are to be excluded.

HTML Codes (4 Nos.)

Four web pages are to be designed (one from each of the following) using the given facilities of HTML.

5. Features like background colour/image, headings, text formatting and font tags, images, etc.
6. Usage of hyper linking
7. Simple list (ordered / unordered)
8. Simple table (without rowspan / colspan)

Computer Applications (Humanities)

Office Packages (4 Nos.)

Four works are to be designed from the following packages.(One from each)

1. Spreadsheet
2. Presentation software
3. Image Editing
4. Word processing

HTML Codes (4 Nos.)

Four web pages are to be designed (one from each of the following) using the given facilities of HTML.

1. Features like background colour/image, headings, text formatting and font tags, images, etc.
2. Usage of hyper linking
3. Simple list (ordered / unordered/Definition)
4. Simple table (without rowspan / colspan)

Practical Evaluation, March 2021

- The duration of examination will be 3 hours with a maximum score of 40.
- The question paper setters of the practical evaluation should ensure that all the questions included in the question paper strictly belong to the above listed 8 programs.
- Practical evaluation will be conducted in batches. The maximum number of students in each batch is limited to 15.
- A student should be given two questions (one from C++ program and the other from HTML) from the above list of programs.
- The score is to be distributed as follows:
 1. C++ programming/Office packages

Logic (Writing) /procedure	:	10 Score
Output (Execution)	:	7 Score
 2. HTML Coding

Code design (Writing)	:	10 Score
Web page (Execution)	:	7 Score
 3. Viva voce questions
 4. Practical Log Book

Total	:	40 Score
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- The viva voce may be conducted in a learner-friendly manner to ensure the clarity of concept related to the work done by the student.
- Additional precautionary measures/arrangements should be ensured to accommodate those students reported as Covid positive as well as those from containment zone.