



University of Engineering & Management, Kolkata

End Semester Examination, January, 2022

Programme Name: B.Tech in CSE/CST/CSIT/CSBS/CSE(A.I.M.L)/CSE(I.O.T) Semester: 3rd

Course Name: IT Workshop

Course Code: PCCCS302

Full Marks: 100

Time: 3 Hours

GROUP – A (20 marks)

Answer the following questions. Each question is of 2 marks.

10 x 2 = 20

1.
 - i) What is Variable?
 - ii) What is the use of id()?
 - iii) What is the output of feval('disp', 7) in MATLAB?
 - iv) How subplot functions can be used in MATLAB?
 - v) Explain APK.
 - vi) Which library provides access to the database?
 - vii) What is Hypertext ?
 - viii) What is Digital Video ?
 - ix) Define Markup tags.
 - x) What is JavaScript?

GROUP – B (30 marks)

Answer the following questions. Each question is of 5 marks.

6 x 5 = 30

2. Create a MATLAB script to show the semilogy graph in logarithmic domain with x=[-3:7].
3. Compare between AR camera and Main camera.
4. Write a HTML code to display elements showing Header, Body and Paragraph.
5. A. Explain about string slicing with example.
OR
B. Explain exception in python with few examples.
6. A. i) How do you get your layout resource information?
ii) When is the Activity class first created?
OR
B. How to create a new application in Android?
7. A. Explain all the features of Digital Video.
OR
B. Explain different types of operators present in JavaScript.

GROUP - C (50 Marks)

Answer the following questions. Each question is of 10 marks.

5 x 10 = 50

8. Write a script to show the `alphanumericPattern` for input string, `txt = ["14 mango" "2 mango" "[3,0,0] mango" "[0,0,4] mango"]`. Use `insertAfter`, `erase`, `replace` etc. for output.
9. i) List the various dialog boxes in Java Script. 5 + 5
ii) Write a JavaScript to display a welcome button of an html form is pressed.
10. A. Write short notes on types of operators in python with appropriate example.
OR
B. Write a program which makes use of function to display all such numbers which are divisible by 7 but are not a multiple of 5, between 1000 and 2000.
11. A. Write a C# script to revolve a Sphere prefab instance among three instances.
OR
B. Give the idea how to make an AR book project.
12. A. i) How is it possible to view a list in Android? Explain. 5 + 5
ii) If an user gives 4 rating to an application then how is it possible to display the rating? Explain.
OR
B. If you add a radio button in your application, how will it reflect in `activity_main.xml` file?
