

## Questions on GVC Lectures. (Finite Time Assessment)

Date August 14, 3:30 to 4:00PM

On the Top margin of each paper Students should write their

**i) Question No, ii) Roll No, iii) Name and iv) Signature.**

These pages should be scanned and uploaded separately for each question. Please install Adobe Scan to take the pictures of your answer pages for uploading it (Preferably in PDF). Answers to each question should be uploaded separately with each question. Do not Scan at high resolution so that the file size is large and it becomes difficult to upload it from your end.

Do not share your login and password of your IITA e-mail. Any Malpractice of uploading through a single IP no, Uploading someone else's answer Sheet IS A CRIME. THE STUDENT will automatically fail the course.

These are difficult times. Your sincerity towards learning and ethical practice is expected from all of you.

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[Marks: 10X1=10.0 ].

There will be marking the answer should be at least 75% correct to obtain 1 otherwise the marking will be 0. Those who will submit with 90% correct answer in:

- I. The first 15 min will get bonus 5 marks]
- II. Within 15min to 25min will get bonus 3 marks
- III. Within 25min to 30min will get bonus 2 marks
- IV. Within 30min to 40min will get bonus 0 marks
- V. Within 40min to 60min will get penalty of -0.5 marks
- VI. Those who submit late by 1hour, -1 marks.
- VII. Those who submit late by n hour, -n marks (Negative marks will be reset to 0).

If a student has gone through my lectures and read the book he will surely get the bonus marks while the student who has not done any effort will find it difficult to reply within the time frame.]

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1. Which is one of the first computer systems which used a GUI and a mouse?
  2. If the Screen Resolution: 1024 X 768 pixel and 3 Primary colours RGB with 8bits resolution for each colour, and if the screen is refreshed 50 times/sec; determine the megaflops to maintain the screen. floating-point numbers use the IEEE format. Single-precision values with float type have **4 bytes**.
  3. How was the visual effect of Perspective depicted in tapestry painting made pre-renaissance period?
  4. During the introduction talk a Macintosh promotional video of 1984 was shown which had Bill Gates praising the Macintosh Machine. The promotional video ends with the statement "The real genius of Macintosh that .....to use it." and "Macintosh the computer for ..... ". Please complete the 2 statements and explain them.

5. Along with the CPU and GPU, which other processor was introduced? Expand the acronyms and describe their utility/requirements of each processor.
6. What is the difference in the 2 major differences in art from the Middle ages to the Renaissance period?
7. The Artists have tried to depict our world: Toward Perfection. While describing the painting "Jan van Eyck, *The Arnolfini Marriage* (c.1434)" *two sections of the painting were expanded. This was done to drive home.....*
8. Make a diagram of the device using trace reality. This device could be called one of the first cameras.
9. In search of Realism, please enumerate the Positive (+) and Negative (-) points of "Computer Graphics" vis-a-vi "Photography". What is the solution?
10. What is VFX? Explain briefly what is done.