



MARWADI UNIVERSITY

Faculty of Technology

(Computer Engineering – Artificial Intelligence)

(B. Tech.)

SEM: 7

MID-SEM. EXAM: I

Enroll. No. _____

September: 2022

Subject: - (Computer Vision) (01AI0703)

Date:-21-09-2022

Total Marks:-30

Time: - 75 Minutes

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

Question: 1.

[6]

Write in your own words: (a) Digital image, (b) Pixel, (c) Aliasing, (d) Computer vision, (e) RGB model, (f) Quantization.

Question: 2.

[12]

(a) Write essay on computer vision application, use graphics/block diagram in explanation.
[6]

(b) Write an historical milestone in Computer Vision. [6]

OR

(b) Mention all preprocessing techniques and give a detailed description. [6]

Question: 3.

[12]

(a) Write about color fundamental in details. Write about RGB Model as well. [8]

(b) Draw block diagram of the fundamental steps in digital processing. [4]

OR

(a) Highlight concrete distinction between quantization and sampling in digital image processing context. [8]

(b) Differentiate all level of image processing with examples. [4]

---Best of Luck---

- Bloom'S Taxonomy Report –

Sub:

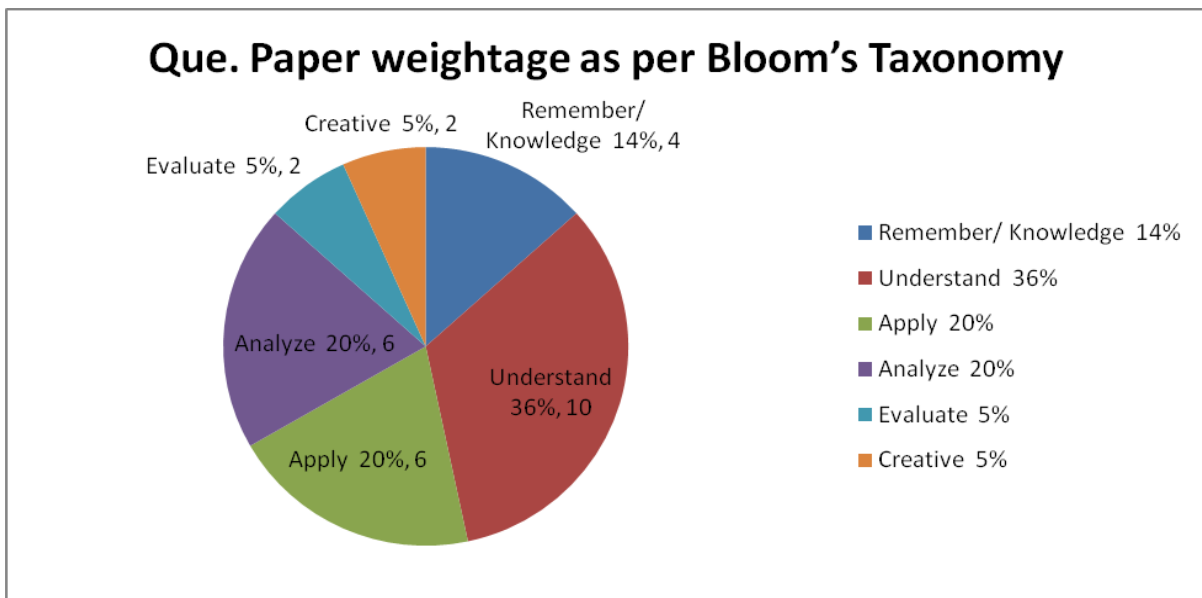
Sem.

Branch:

Que. Paper weightage as per Bloom's Taxonomy

LEVEL	% of weightage	Question No.	Marks of Que.
Remember/Knowledge			
Understand			
Apply			
Analyze			
Evaluate			
Higher order Thinking/ Creative			

Chart/Graph of Bloom's Taxonomy



Course Outcome Wise Questions

Subject Code	01AI1703	Subject	COMPUTER VISION
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CO No.	Course Outcome
CO1	Appreciate the detailed models of image formation.
	1(A)
CO2	Analyze the techniques for image feature detection and matching.
	1(A), 2(B-Or), 3(A)
CO3	Apply various algorithms for object detection and recognition.
	1(A), 2(A), 2(B), 3(A-Or), 3(B)
CO4	Examine various face detection techniques.
	1(A), 3(B-Or)
CO5	Analyzing various applications using vision techniques.

Blooms Taxonomy	Question List
Remember / Knowledge	1(A), 2(B)
Understand	1(A), 2(A), 3(A), 3(A-Or)
Apply	1(A)
Analyze	1(A), 3(B)
Evaluate	2(B-Or), 3(B-Or)
Higher order Thinking / Creative	1(A)