## MULTIMEDIA TECHNOLOGY

Time: Three Hours Maximum Marks: 90

## Compulsory Question

- 1. Answer all the following:
  - (a) Name any two Audi file formats.
  - (b) What is the full form of NTSC and PAL?
  - (c) What is JPEG?
  - (d) What is the use of ADPCM?

	(f)	What do you mean by Animation?	
	(g) (h)	What is the use of Multimedia in entertainment Name any <i>two</i> Animation file formats.	?
	(i)	What is Computer audio? 9×2=	18
	(-)	SECTION-I	
2.	(a)	What is Multimedia computer system? What a its typical charactreistics? Explain different a plications of Multimedia.	
	(b)	What are the different hardware and software r quirements for text, graphics and video comp nents of Multimedia?	
3.	Explain the following:		
	(a)	Card and Page based authoring tools.	
	(b)	Object-oriented authoring tools.  SECTION-II	18
4.	(a)	Explain different Colour models in images with thelp of suitable diagrams.	9
5.		Explain various Graphics file formats in detail. at are the advantages of Digital representation to a Explain Chroma subsampling and CCIR standard.	
	witl	h the help of suitable diagram.  SECTION-IIII	18
6.	(a)	Explain the hardware aspects of MIDI with the he of suitable diagram. Also explain the structure MIDI messages.	
	(b)	Explain Differential coding of audio in detail.	9
7.	Explain the following with the help of suitable diagrams:		
	(a) (b)	Pulse code modulation. Lossless predictive coding SECTION-IV	18
8.	What is General data compression scheme? Explain Variable length coding and Transform coding in detail. 18		
9.	Wh	at do you mean by Video compression? Expla EG and H.261 video compression techniques in o	iin

(e) Define Hypermedia.