

NTK/KW/15 –5992

First Semester B. Sc. (IT) Examination

Paper - V

**MULTIMEDIA APPLICATION
DEVELOPMENT**

Time : Three Hours]

[Max. Marks : 50

- N. B. : (1) All questions are compulsory and carry equal marks.
(3) Draw neat and labelled diagram wherever necessary.

EITHER

1. (a) Differentiate multimedia and hyper media. 5
(b) Explain different data types of Graphics Image. 5

OR

- (c) Explain color model in images in Multimedia. 5
(d) What is world wide web ? Give its working multimedia. 5

EITHER

2. (a) What is process of creating video in multimedia? 5
(b) Explain different types of video signals and give one example of each. 5

OR

- (c) What is MIDI ? Explain in detail. 5

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Contd.

- (d) Explain quantization and transmission of audio. 5

EITHER

3. (a) Demonstrate how object oriented features are implemented in Action Script. 5
(b) Explain 2 predefined action script classes with its suitable example. 5

OR

- (c) Define interface used in Action Script with syntax and suitable example. 5
(d) Explain types of Inheritance with example. 5

EITHER

4. (a) Define any two Action Script Movie Clip classes. 5
(b) Explain Lossless compression algorithm used in multimedia data compression. 5

OR

- (c) What are different components of application framework ? Explain. 5
(d) Explain dictionary based coding in detail with example. 5

5. Attempt any **ten** :—

- (1) What is colour model in image ?
(2) Demonstrate why search engine is required.

- (3) List any two differences between XML and HTML.
- (4) Define two limitations of optical storage.
- (5) What is quantization ?
- (6) In what applications RAID is used ?
- (7) Explain protocol.
- (8) How to define subclass ? Give only its syntax.
- (9) What is the syntax of interface ?
- (10) What is transform coding ?
- (11) What is SPIHT ?
- (12) What is variable length coding ? 1x10