SM – 728

IV Semester B.Voc. Examination, May/June 2018
(CBCS) (Fresh) (2017-18 and Onwards)
INFORMATION TECHNOLOGY
404 : Multimedia Technology and Applications

Time : 3 Hours   Max. Marks : 70

*Instruction : Answer **all** questions.*

SECTION – A

Answer **any ten** of the following :   (10×2=20)

1. What is multimedia ?

2. Define sampling rate.

3. What is ASCII ?

4. What is unformatted text ?

5. What is image ?

6. What is color signals ?

7. What is CODEC ?

8. Give the application of PNG format.

9. Define video.

10. What is pixel depth ?

11. What is redundancy ?

12. Explain compression.

SECTION – B

Answer **any five** of the following :

13. a) Explain the working principles of CRT.   (7+3)

    b) Explain different applications of multimedia.

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14. a) Explain digital to analog conversion.

    b) What is quantisation ?   (8+2)

15. a) Give the working principles of digital camera.

    b) Explain formats (i) JPEG (ii) TIFF.   (6+4)

16. a) Explain MIDI.

    b) Write a note on synthesiser.   (6+4)

17. a) Explain the different formats of digital video.

    b) What is PC video ?   (8+2)

18. a) Explain 3D animation.

    b) Explain animatic file formats.   (5+5)

19. a) Explain lossless and lossy compression.

    b) Explain DPCM.   (5+5)

20. Write a note on :

    a) H. 261.   (4+3+3)

    b) B-frame encoding.

    c) Digitising video.

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