Program: TE EXTC Engineering

Curriculum Scheme: Revised 2012

Examination: Third Year Semester VI

Course Code: ETC604 and Course Name: Television Engineering

Time: 1 hour Max. Marks: 50

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**SAMPLE MCQ**

Note to the students:- All the Questions are compulsory and carry equal marks .

|  |  |
| --- | --- |
| Q1. | In Composite Video signal 0 to 10% is |
| Option A: | Darker than Dark |
| Option B: | Dark |
| Option C: | Whiter than white |
| Option D: | White |
|  |  |
| Q2. | The period of Front porch is |
| Option A: | 5.2µs |
| Option B: | 52µs |
| Option C: | 5.8µs |
| Option D: | 1.5µs |
|  |  |
| Q3. | In America in NTSC system the lines per frame is |
| Option A: | 625 |
| Option B: | 525 |
| Option C: | 25 |
| Option D: | 50 |
|  |  |
| Q4. | For sound modulation what is used |
| Option A: | FM |
| Option B: | AM |
| Option C: | PM |
| Option D: | SM |
|  |  |
| Q5. | In an Electron Gun Grid 2 is also called as |
| Option A: | Screen grid |
| Option B: | Control grid |
| Option C: | Focusing grid |
| Option D: | Magnetic grid |
|  |  |
| Q6. | CCIR stands for |
| Option A: | Consolidated committee for International Radio |
| Option B: | Consultative committee for International Radio |
| Option C: | Compiled committee for International Radio |
| Option D: | Cognitive committee for International Radio |
|  |  |
| Q7. | In Subtractive mixing of colours white - Blue = |
| Option A: | Magenta |
| Option B: | Yellow |
| Option C: | Cyan |
| Option D: | violet |
|  |  |
| Q8. | 0.3R+0.59G+0.11B= |
| Option A: | Y |
| Option B: | I |
| Option C: | U |
| Option D: | V |
|  |  |
| Q9. | MPEG & JPEG stands for |
| Option A: | Moving photographic Expert group & Joint photography Extended Group |
| Option B: | Moving picture Expert group & Joint photographic Expert Group |
| Option C: | Multiple picture Expert group & Joint picture Expert Group |
| Option D: | Moving photographic Extraction group & Joint photographic Extraction Group |
|  |  |
| Q10. | Which of the following is a picture tube |
| Option A: | Orthicon |
| Option B: | Vidicon |
| Option C: | Plumbicon |
| Option D: | Trintron |
|  |  |
| Q11. | CVS stands for |
| Option A: | Composite video signal |
| Option B: | Colour vestigial signal |
| Option C: | Compose Vestigial signal |
| Option D: | Common video signal |
|  |  |
| Q12. | The colour burst is of |
| Option A: | 2 to 12 cycles |
| Option B: | 5 to 15 cycles |
| Option C: | 0 to 30 cycles |
| Option D: | 8 to 11 cycles |
|  |  |
| Q13. | The difference in intensity between black and white parts of the picture over and above the brightness level is |
| Option A: | Aspect Ratio |
| Option B: | Brightness Ratio |
| Option C: | Contrast |
| Option D: | Contrast Ratio |
|  |  |
| Q14. | ………………. Is a special application in which camera signals are made available over cable circuits to a specified destinations |
| Option A: | HDTV |
| Option B: | CCTV |
| Option C: | UHDTV |
| Option D: | ICTV |
|  |  |
| Q15. | In the 625-B monochrome TV the field frequency is |
| Option A: | 50 |
| Option B: | 128 |
| Option C: | 60 |
| Option D: | 64 |
|  |  |
| Q16. | In America(NTSC) the line frequency in Hz is |
| Option A: | 15625 |
| Option B: | 625 |
| Option C: | 525 |
| Option D: | 15750 |
|  |  |
| Q17. | The colour system used in FranceN(SECAM) uses which sound signal modulation |
| Option A: | AM |
| Option B: | FM |
| Option C: | PM |
| Option D: | CM |
|  |  |
| Q18. | In HDTV standard the aspect ratio is |
| Option A: | 4:3 |
| Option B: | 16:9 |
| Option C: | 21:9 |
| Option D: | 16:20 |
|  |  |
| Q19. | The predominant spectral colour of the received light is |
| Option A: | Brightness |
| Option B: | HUE |
| Option C: | Luminance |
| Option D: | Saturation |
|  |  |
| Q20. | In subtractive mixing white – green = |
| Option A: | Magenta |
| Option B: | Yellow |
| Option C: | Cyan |
| Option D: | Black |
|  |  |
| Q21. | Frequency deviation / modulating frequency |
| Option A: | Modulating tone |
| Option B: | Channel Bandwidth |
| Option C: | Bessel function |
| Option D: | Modulation index |
|  |  |
| Q22. | In …………….picture tube there are three guns aligned in horizontal line |
| Option A: | Delta gun |
| Option B: | PIL |
| Option C: | Trintron |
| Option D: | Vidicon |
|  |  |
| Q23. | Which of the following is not a type of sampling and sub sampling |
| Option A: | 4:0:0 |
| Option B: | 4:4:4 |
| Option C: | 4:1:1 |
| Option D: | 4:2:2 |
|  |  |
| Q24. | The highest approximate modulating frequency that 625 lines TV system must be capable of handling for successful transmission and reception of signal is |
| Option A: | 4Mhz |
| Option B: | 4.5Mhz |
| Option C: | 5 Mhz |
| Option D: | 5.5Mhz |
|  |  |
| Q25. | In SYNC details of the 525 line system the time taken by the field line period(H) in horizontal blanking is |
| Option A: | 31.75µs |
| Option B: | 52µs |
| Option C: | 61.8µs |
| Option D: | 63.5µs |