

Online Examinations (Even Sem/Part-I/Part-II Examinations 2020 - 2021)

Course Name - –Consumer Electronics

Course Code - DECE403

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Answer all the questions. Each question carry one mark.

9. 1. In condenser microphone the capacitance between the plates in about

Mark only one oval.

- 100PF
- 200PF
- 300PF
- 400PF

10. 2. The process of converting the analog channel audio signal to the digital signal which is to be written on the disc surface in the form of pits & flats is called

Mark only one oval.

- CD writing
- CD reading
- CD encoding
- CD decoding

11. 3. In PAL system phase of R-Y signal is changed every alternate line by

Mark only one oval.

- 90 degree
- 180 degree
- 270 degree
- 360 degree

12. 4. The fine tuning control in black & white television receiver is-

Mark only one oval.

- A variable capacitor
- A variable inductor
- A potentiometer
- A semiconductor

13. 5. The function of blend control in stereo system is

Mark only one oval.

- to dilute left channel
- to dilute right channel
- to dilute any of the two channels
- none of the above

14. 6. The most tape recorder operation on a slow speed comprise gap width varying between-

Mark only one oval.

- 0.0023cm to 0.00065cm
- 0.065cm to 0.075cm
- 0.0025cm to 0.00064cm
- 0.035cm to 0.065 cm

15. 7. The diameter of a circular plastic coated disc is-

Mark only one oval.

- 130mm
- 220mm
- 20mm
- 120mm

16. 8. In a television camera tube, scanning of a picture is done

Mark only one oval.

- line by line from left to right
- line by line from right to left
- line by line from top to bottom
- line by line from bottom to top

17. 9. A CD player reads the recorder information from the-

Mark only one oval.

- centre track
- innermost track
- outermost track
- inner track

18. 10. Duration of the vertical blanking pulse used in India is

Mark only one oval.

- 64 μ s
- 100 μ s
- 160 μ s
- 1280 μ s

19. 11. The speaker which cover the low frequencies from 16Hz-1000Hz called-

Mark only one oval.

- squawkers
- tweeter
- woofer
- none

20. 12. UHF range is

Mark only one oval.

- 30 MHz to 300 MHz
- 300 MHz to 3000MHz
- 3000 MHz to 30000 MHz
- greater than 30000 MHz

21. 13. The sound pick up by the two Microphone in HI FI system will be analysed as

Mark only one oval.

- 4D picture of sound
- 2D picture of sound
- 3D picture of sound
- CD picture of sound

22. 14. For a 50 cm size screen width will be _____ cm and height will be _____ cm.

Mark only one oval.

- 20,25
- 30,40
- 50,60
- None of these

23. 15. The device which controls the speed of supply reel and take up reel is-

Mark only one oval.

- driving belts
- capstan
- pinch rollers
- fly wheels

24. 16. What does a dual loudspeaker system with cross sell network consists-

Mark only one oval.

- inductance
- capacitance
- resistance
- Both inductance & capacitance

25. 17. In a TV receiver which stage is not necessary for producing Horizontal output-

Mark only one oval.

- Dan-per
- Horizontal oscillator
- Horizontal Amplifier
- Horizontal APC

26. 18. Horizontal APC

Mark only one oval.

- woofer
- infinite baffle
- tweeter
- finite baffle

27. 19. The material used for the magnet of moving coil cone type loudspeaker is

Mark only one oval.

- steel alloy
- soft iron
- hard steel
- alnico

28. 20. The standard tap length is-

Mark only one oval.

550m

730m

360m

220m

29. 21. The impedance matching which of the is used-

Mark only one oval.

matching transformer

matching buffer

IF amplifier

Auto transformer

30. 22. Which metal is used to electro plate the glass master disc-

Mark only one oval.

Aluminium

Nickel

Mercury

Zinc

31. 23. The amplifier is used for amplifying the weak micro phone signal in process-

Mark only one oval.

- play back process
- recording process
- erasing process
- rewind process

32. 24. Graphic equaliser system in stereophonic systems generally have

Mark only one oval.

- 3 & 4 bands
- 1 band
- more than 8 bands
- large number of bands

33. 25. Which of the following microphone is the cheapest?

Mark only one oval.

- moving coil
- condenser
- ribbon
- carbon

34. 26. Which of the following is an important requirements of a good mixing ckt?

Mark only one oval.

- The impedance matching
- The question of unbalance introduced by using a variable resistance in one leg
- The resistance serve as a static lick & prevents a click being introduced due to sharp flow of current
- Both (a)&(b)

35. 27.A CD player uses rotation system

Mark only one oval.

- constant frequency
- constant linear velocity
- constant angular velocity
- constant amplitude

36. 28. On what principle does a loudspeaker work?

Mark only one oval.

- Motor
- Generator
- Amplifier
- Oscillator

37. 29. In a black & white TV receiver the electron beam is deflected by-

Mark only one oval.

- electrostatic Technique
- electromagnetic technique
- combined effort electrostatic & electromagnetic technique
- Electric field

38. 30. Just when the video signal is applied to the picture tube in a TV receiver, the strength of video signal is about

Mark only one oval.

- 1000V
- 200V
- 50V
- 1V

39. 31. The reverse of play back process is-

Mark only one oval.

- reverding process
- record/ play back process
- earse process
- forward process

40. 32. The low paper diode in CD player is made of-

Mark only one oval.

- Aluminium gallium arsenide
- Gamma ferric oxide
- Gallium Arsenide aluminium
- Arsenide Gallium Aluminium

41. 33. In a picture tube, the video signal is applied to

Mark only one oval.

- cathode
- grid
- any anode
- either cathode or grid

42. 34. First TV station in India was established in-

Mark only one oval.

- 1956
- 1959
- 1962
- 1965

43. 35. Which of the following microphone has distortion?

Mark only one oval.

- Ribbon
- Crystal
- Condenser
- Carbon

44. 36. A dual track tape in which the two tracks are separated by a-

Mark only one oval.

- Upper track
- Lower track
- Guard band
- Narrow band

45. 37. The recorded information on a CD disc is read using

Mark only one oval.

- Phosphorous beam
- Electron beam
- Lase beam
- Gamma rays

46. 38. Tracks pitch and pits density of DVD is

Mark only one oval.

- double of VCD
- same as VCD
- half of VCD
- four times of VCD.

47. 39. Which of the following microphone is used as a standard for calibration?

Mark only one oval.

- moving coil
- condenser
- ribbon
- carbon

48. 40. Which part of tape driving mechanism rotates the capstan?

Mark only one oval.

- Idler
- Fly wheel
- pinch roller
- Driving belts

49. 41. What should be the dimension of the baffle in order to obtained a good respond down to 60 Hz

Mark only one oval.

- 6.8*86.5 cm
- 68.5*68.5 mm
- 137*137 cm
- 137*137 mm

50. 42. What makes a microphone unidirectional?

Mark only one oval.

- Reflection
- Refraction
- Diffraction
- Pressure gradient

51. 43. Which of the following type of speaker is used in a telephone receiver?

Mark only one oval.

- Coaxial type
- Fixed coil type
- moving coil type
- tweeter type

52. 44. The characteristics impedance of a twin feeder used for TV signals is about

Mark only one oval.

100Ω

500Ω

300Ω

75Ω

53. 45. The length of long play is -

Mark only one oval.

360m

550m

730m

220m

54. 46. The varying pressure of the carbon granules modulated a steady dc current that flows through the circuit due to a polarizing potential is of about how much applied from telephonic circuit

Mark only one oval.

20v

30v

50v

60v

55. 47. The Negative image of the final CD is obtained on the-

Mark only one oval.

- Aluminium coating
- stamper
- Nickel Metal Master
- Mother

56. 48. The frequency response of a crystal microphone is-

Mark only one oval.

- 30000 Hz
- 20000 Hz
- 10000 Hz
- 600 Hz

57. 49. Signal to noise ratio of a microphone is defined as the ratio of output when the sound pressure is to the output in the absence of any sound signal

Mark only one oval.

- 0.5 pa
- 0.2 pa
- 0.1 pa
- 0.01 pa

58. 50. Audio cassettes used in household tape recorders have a width of –

Mark only one oval.

- 1"
- 1/2"
- 1/4"
- 1/8"

59. 51. From the following in which the crystal microphone depends for its operation-

Mark only one oval.

- Electromagnetic Induction
- Piezoelectric property
- Magnetic Property
- Electric Property

60. 52. While reading the recorded information which part of the CD reflects much light-

Mark only one oval.

- Photo diode
- Aluminium coating
- track
- flats

61. 53. Which of the following depends on its action on the variation of capacitance between two electrodes or conducting plates-

Mark only one oval.

- Carbon Micro phones
 Condenser Micro phones
 Crystal Micro phone
 None of these

62. 54. The first pulse of TV remote control is

Mark only one oval.

- Start pulse
 preliminary pulse
 either start pulse or preliminary pulse
 earse pulse

63. 55. Diapharm is made up of-

Mark only one oval.

- aluminium
 duralimin
 carbon
 copper

64. 56. A typical CD consist of reflection coated with-

Mark only one oval.

- silver
- mercury
- zinc
- aluminium

65. 57. HDTV system is based on the technique of

Mark only one oval.

- TDM
- FDM
- WDM
- CDMA

66. 58. In a black & white TV , The contrast is controlled by-

Mark only one oval.

- DC voltage
- AC voltage
- both DC & AC voltage
- DC current

67. 59. A direct radiating cone type loudspeaker attenuates

Mark only one oval.

- medium range frequency
- very low frequency
- high frequencies
- very low & high frequencies

68. 60. A stereophonic tape can be played back on a

Mark only one oval.

- CD recorder
- Monophonic tape recorder
- Tape recorder
- Hard disc recorder

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