Paper Code - 6601

M.Sc. Semester-III Electronics (New Course)

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CC-301 Electronics Computer-2 and Instruments

કુલ સમય :– : ૬૦ મીનીટ **કુલ પ્રશ્નો : ૫૦** **વિદ્યાર્થીએ ટીક કરવાના પ્રશ્નો : ૩૫**

નોંધ : વિદ્યાર્થીએ માત્ર ૩૫ પ્રશ્નો જ ટીક કરવાના રહેશે. જો વધારે ટીક કરેલ હશે તો પ્રથમ ૩૫ પ્રશ્નો જ ગણતરીમાં લેવામાં આવશે.

1 The very previous version of MS Excel is
(A) Excel (B) Spread Data (C) Spread Sheet (D) Spread Table

2 How many sheets are there, by default, when we create a new Excel file?
(A) 0 (B) 3 (C) 5 (D) 10

3 In Excel, which one denoted a range from B1 through E5
(A) B1-E5 (B) B1:E5 (C) B1 to ES (D) B1$E5

4 In MS-Excel value used in a formula that does not change is called a
(A) Cell address (B) Constant (C) Function (D) None of these

5 What is the full form of WAN?
(A) WIDE AREA NETWORK (B) WIDE ARRAY NETWORK
(C)WIRELESS AREA NETWORK (D) NONE OF ABOVE

6 ISP stands for ?
(A) internet server provider (B) internal server provider (C) internet service provider (D) insta service provider

7 What is URL?
(A) network (B) website address (C) protocol (D) address of network

8 What is the use of Bridge in Network?
(A) to connect LANs (B) to separate LANs (C) to control network speed (D) all of the above

9 Arrange the following types of networks according to their size, form largest to smallest?
(A) LAN,WAN,MAN (B) WAN,LAN,MAN (C) MAN,LAN,WAN (D) WAN,MAN,LAN

10 Who controls the internet?
(A) US government (B) no one (C) all countries (D) UK

11 What is the intersection of a column and a row on a worksheet called?
(A) Column (B) Value (C) Address (D) Cell

12 Which function in Excel tells how many numeric entries are there?
(A) NUM (B) COUNT (C) SUM (D) CHKNUM

13 A features that displays only the data in column according to specified criteria
(A) Formula (B) Sorting (C) Filtering (D) Pivot

14 Functions in MS Excel must begin with.
(A) An) sign (B) An Equal Sign (C) A Plus Sign (D) A > Sign

15 Which function in Excel checks whether a condition is true or not ?
(A) SUM (B) COUNT (C) IF (D) AVERAGE

16 The Greater Than sign (>) is an example of_____operator.
(A) Arithmetic (B) Logical (C) Conditional (D) Greater

17 What type of chart is useful for showing trends or changes over time?
(A) Pie Chart (B) Column Chart (C) Line Chart (D) Dot Graph

18 The process arrenging the items of a column in some sequence or order is known as
(A) Arrange in (B) Auto fill (C) Sorting (D) Filtering

19 The feature of MS Excel quickly completes a series of data
(A) Auto Complete (B) Auto Fill (C) Fill Handle (D) Sorting

20 What do you use to create a chart?
(A) Pie Wizard (B) Excel Wizard (C) Data Wizard (D) Chart Wizard

21 The collections of the web pages are called?
(A) browser (B) website (C) software (D) workbook

22 Each page on the web has a unique address called?
(A) HTTP (B) FTP (C) URL (D) WWW

23 To protect a computer from virus, you should install in your computer.
(A) antivirus (B) disk defragmenter (C) disk cleanup (D) backup wizard

24 The standard protocol of the internet is
(A) java (B) flash (C) HTML (D) TCP/IP

25 A host on the internet finds another host by its
(A) postal address (B) IP address (C) electronic address (D) none of above

26 An error in computer program is called
(A) hacking (B) virus (C) bug (D) none of these

27 Full form of TEM_____.
A) The electron microscope (B) Technical exchange meeting
(C) Transmission electron microscope (D) Transverse electro-magnet

28 Which of the following is used in electron microscope?
(A) Electron beam (B) Magnetic field (C) Light wave (D) Electron beam and magnetic fields

29 The secondary electrons radiated back in scanning microscope are collected by?
(A) Specimen (B) Anode (C) Vacuum chamber (D) Cathode

30 Which of the microscopes below is usually good for use on unstained specimen?
(A) Phase –contrast (B) Fluorescence (C) Scanning electron (D) Transmission electron

31 When maintaining the microscope what is used to clean the lenses?
(A) Oil (B) Water (C) Detergent (D) Alcohol

32 Once an electron beam hits a sample the sample ejects.
(A) Electron and X-ray (B) Positron and gamma rays
(C) Anti - electron and ultraviolet rays (D) Neutrinos and radio waves

33 What is the correct name for the main microscope lens that focuses the image ?
(A) Ocular (B) Binocular (C) Objective (D) Condenser

34 Image formation in electron microscope is based on_____.
(A) Column length (B) Electron numbers (C) Differential scattering (D) Specimen size

35 In which ways, absorption is related to transmittance?
(A) Absorption is the logarithm of transmittance (B) Absorption is the reciprocal of transmittance
(C) Absorption is the negative logarithm of transmittance (D) Absorption is a multiple of transmittance

36 Beer's law staes that the intensity of light decreases with respect to _____
(A) Concentration (B) Distance (C) Composition (D) Volume

37 Which of the following is a non-dispersive wavelength selector
(A) Gratings (B) Prisms (C) filters (D) All the above

38 Which of the following detector has fast response time
(A) Photomultiplier tube (B) Photo tube (C) Photo diode array (D) Barrier layer cell

39 The light which reaches the detector without passing through the cell is known as
(A) Dark radiation (B) Stray radiation (C) Photoluminescence (D) Chemiluminescence

40 Which device is used to isolate the radiation of the desired wavelength from wavelength of the continuous spectra?
(A) Monochromator (B) Radiation source (C) Recorder (D) None of this

41 Which of the following spectroscopy techniques is associated with molecular emission?
(A) UV-Visible spectroscopy (B) IR spectroscopy (C) Fluorescence spectroscopy (D) X-ray diffraction

42 Which of the following material is used to coat the cathode in photo tube
(A) Copper (B) Sodium (C) Bromium (D) Cesium

43 Beer Lambert's law gives the relation between which of the following?
(A) Reflected radiation and concentration (B) Scattered radiation and concentration
(C) Energy absorption and concentration (D) Energy absorption and reflected radiation

44 During relaxation, the electron spin is reversed in
(A) Fluorescence (B) Phosphorescence (C) IR (D) NMR

45 Select the wavelength range corresponding to UV-visible region.
(A) 400-800 nm (B) 200-800 nm (C) 25 µm-2.5 µm (D) 2.5 µm – 1mm

46 To join the internet , the computer has to be connected to a_____
(A) internet architecture board (B)internet society (C) internet service provider (D) different computer

47 Which is not the search engine
(A) altavista.com (B) google.com (C) facebook.com (D) yahoo.com

48 The default extension of file saved in MS Excel is
(A) .doc (B) .xl (C) .xlc (D) .xls

49 The data arranging from low value to high value is done by _____in Excel
(A) Shorting (B) Filtering (C) Adding (D) Pivoting

50 Following is not a graph style in MS Excel
(A) Pie (B) Scatter (C) Bar (D) Logarithm