

83CO21

Time : 2 Hours

Total Marks : 100

Ques.  
Paper  
Series **05**

Do not open the Question Booklet until asked to do so.

83000791

### INSTRUCTIONS FOR THE CANDIDATES :

- (1) There are a total of 100 questions in this question paper. Answer to the questions is one of four options A, B, C and D, given below with concerned question. Candidates are required to give answer of all the questions. The answers are to be marked on the OMR Sheet.

#### For Example :

Who is known as India's father of the nation?

- (A) Sardar Patel  
(B) Mahatma Gandhi  
(C) Subhash Chandra Bose  
(D) Vinoba Bhawe

#### In OMR Sheet :

- (A) ● (C) ○ (D) ○

Correct answer is "B" in the above given example. So the circle "B" is encoded black/blue.

Candidates should not write 'Mahatma Gandhi' as an answer.

- (2) Candidate is not allowed to leave the classroom (exam hall) during the exam. The Examination Hall is under CCTV surveillance. Candidates making gossips, noise and indulging in misconducts may be disqualified.
- (3) Candidate on receipt of the paper will fill his Seat No. in legible handwriting at the appropriate place, immediately.
- (4) Each correct answer shall fetch **one(1) mark**; 0.33 Negative marking shall be awarded for a wrong answer. There shall be no negative marks for the unattempted questions.
- (5) OMR Sheet should be compulsorily signed by the Supervisor. OMR Sheet without the sign of Supervisor will not be checked.
- (6) Do not write your roll number at any place other than the specified place on the OMR Sheet, nor disclose any other kind of identity including name etc. If such an attempt is noticed then it will be considered as a misconduct and the candidate will be disqualified.

- (7) In OMR Sheet sign of both candidate and Supervisor is compulsory. The OMR sheet without both the signatures will be considered invalid.
- (8) There are **two copies** of the OMR Sheet, the one on the top as original and the one at the bottom being the duplicate. Do not separate these while writing the answers.
- (9) Candidates should hand over both the original and duplicate OMR Sheets to the Supervisor. The Supervisor will carefully remove the original and give the duplicate copy back to the candidate. **Candidates should not separate the OMR Sheets themselves.**
- (10) The original copy of OMR Sheet is scanned by an automatic machine and therefore all the marking on the original OMR Sheet will be considered final.
- (11) No tick marks or any other sign should be made in the question paper.
- (12) **During exam if any false matter, guide, cheats, slips, any handwritten material, any printed material, mobile phone, pager, calculator or any electronic equipments are found from a candidate then, he/she will stand disqualified.**
- (13) Gossips, making noise or disobeying instructions given by Supervisor will be considered disobedience.
- (14) **Candidates should write answers by using blue/black ballpoint pen.** Other colour pen, pencil or white ink is not allowed and the answer that are corrected with white ink, blade or rubber will not be considered valid.

On completion of the examination, candidates should hand over both the **original and duplicate OMR Sheets to the Supervisor**. If the candidate fails to do so, it will be considered indiscipline and the candidate will be disqualified. **Candidates may take the question paper and the duplicate copy of the OMR Sheet with them.**

- 1 For a MS-Power Point Presentation, which of the following is true?  
(A) Only Movie clips can be inserted but not sound clips  
(B) Only Sound clips can be inserted but not movie clips  
(C) Both Sound and Movie clips cannot be inserted  
 (D) Both Sound and Movie clips can be inserted
- 2 Which of the following is true about a Worm?  
(A) It has no effect in increasing internet traffic  
(B) It cannot replicate itself  
 (C) It propogates through internet/intranet.  
(D) It requires human intervention to spread infection
- 3 Which of the following is not true regarding Conditional Formatting in MS-Excel?  
 (A) You can set condition to look for Bold and change it to Italics  
(B) You can add more than one conditions to check  
(C) You can delete any condition from Conditional Formatting Rules Manager dialog box if required  
(D) You can apply font, border and fill colors on meeting specified conditions
- 4 ..... was deported to Mandlay Jail (Burma) for writing seditious articles.  
(A) Bipin Chandra Pal (B) Lala Lajpat Rai  
(C) Raj Narayan  (D) Bal Gangadhar Tilak
- 5 What do you mean by 'per se'?  
 (A) by itself (B) for each day  
(C) from the origin (D) word by word
- 6 Which of the following is the correct syntax of Vlookup in MS-Excel?  
 (A) =VLOOKUP(table\_array, lookup\_value, col\_index\_num, [range\_lookup])  
 (B) =VLOOKUP(lookup\_value, table\_array, col\_index\_num, [range\_lookup])  
(C) =VLOOKUP(lookup\_value, col\_index\_num, table\_array, [range\_lookup])  
(D) =VLOOKUP(lookup\_value, table\_array, [range\_lookup], col\_index\_num)

- 7 With respect to computers which of the following best describes phishing?
- (A) A method of bypassing normal authentication procedure  
 (B) A malicious program installed on a system that stays concealed to avoid detection  
 (C) An attempt to acquire sensitive information for malicious reasons, by masquerading as a trustworthy entity  
 ✓ (D) A type of unsolicited bulk email of identical messages sent to numerous recipients
- 8 In MS-Word, Home key is used for which of the following?
- (A) To move the cursor to the beginning of the paragraph  
 ✓ (B) To move the cursor to the beginning of the document  
 (C) To move the cursor to the beginning of the screen  
 (D) To move the cursor to the beginning of the line
- 9 What is the name of the free video-conferencing application launched by Reliance Jio?
- (A) Jio Chat  
 (B) Jio Meet  
 (C) Jio Zoom  
 (D) Jio Connect
- 10 Which programme was jointly launched by Google India and Tata Trusts to facilitate digital literacy among women in rural India?
- (A) New India  
 (B) Internet Saathi  
 ✓ (C) Techie Women  
 (D) Women Power
- 11 કઈ જોડણી સાચી છે ?
- (A) સહાનુભૂતિ  
 (B) સહાનુભુતી  
 ✓ (C) સહાનુભૂતિ  
 (D) સહાનુભુતિ
- 12 Which network protocol is used to send emails?
- ✓ (A) IMAP  
 (B) FTP  
 (C) SMTP  
 (D) POP3
- 13 Which of the following shortcut keys can be used to open a new document in MS-Word?
- (A) Alt + N  
 (B) Shift + N  
 (C) Alt + Ctrl + N  
 ✓ (D) Ctrl + N

- 14 "દગો કરવો" એનો અર્થ નીચે પૈકી કયા રૂઢિપ્રયોગનો થાય છે ?  
(A) પગ પહોળા કરવા (B) પગ ભાંગવા  
(C) પગ ભારે થવા (D) પગ પાછા પાડવા
- 15 Which of the following network components is not used in creation of Local Area Network?  
(A) Switch (B) Router  
(C) Hub (D) Modem
- 16 Give synonym of the word: 'Dynamic'  
(A) Delicate (B) Robust  
(C) Frail (D) Feeble
- 17 The number of players in the sport of 'Kabaddi' in each team is .....  
(A) 7 (B) 6  
(C) 9 (D) 8
- 18 Which country has conducted the successful testing of its advanced missile defense system, Arrow 2?  
(A) India (B) Germany  
(C) Russia (D) Israel
- 19 In MS-Power Point, which of the following Formats can be used as sound effects?  
(A) .jpg (B) .wav  
(C) .amv (D) .gif
- 20 People who move from place to place, usually according to seasons, but never establish a permanent settlement are described as .....  
(A) Palaeolithic (B) Nomadic  
(C) Mesolithic (D) Neolithic
- 21 Who is the founder of DuckDuckGo?  
(A) Satoshi Nakamoto (B) Gabriel Weinberg  
(C) Larry Ellison (D) Jack Ma

- 22 Rahul, Murali, Srinivas and Arul are seated around four sides of a square table, facing each other. Rahul is sitting to the left of Murali; Srinivas is sitting to the right of Arul. Which of the following pairs are seated opposite to each other?
- (A) Srinivas and Arul (B) Rahul and Murali  
 (C) Srinivas and Rahul (D) Srinivas and Murali
- 23 Charles Babbage invented which of the following machines?
- (A) Stepped Reconer (B) Pascaline  
 (C) Tabulating Machine (D) Difference Engine
- 24 Who among the following is the creator of Twitter?
- (A) Jeff Bezos (B) Mark Zuckerberg  
(C) Brian Actor (D) Jack Dorsey
- 25 Which of the following commands is used to delete a file in Linux?
- (A) rm (B) dm  
(C) erase (D) delete
- 26 The National Skill Development Corporation (NSDC) has partnered with which university to provide Digital Skills Training in India?
- (A) Stanford University  
(B) Massachusetts Institute of Technology  
(C) Harvard University  
 (D) California State University
- 27 Who is the current Minister of Electronics and Information Technology?
- (A) Prakash Javadekar (B) Ashiwini Vaishnaw  
(C) Ravi Shankar Prasad (D) Nitin Gadkari
- 28 Complete the sentence :  
His interest in the study of human behaviour is indeed very .....
- (A) deep (B) average  
(C) broad (D) large
- 29 'Kanha National Park' has its location in which of these States?
- (A) Andhra Pradesh (B) Bihar  
(C) Rajasthan (D) Madhya Pradesh

- 30 A wire would enclose an area of 1936 square meters if it is bent to a square. The wire is cut into two pieces. The longer piece is thrice as long as the shorter piece. The long and the short pieces are bent into a square and a circle, respectively. Which of the following choices is closest to the sum of the areas enclosed by the two pieces in square meters?
- (A) 1111 (B) 1096  
(C) 2486 (D) 1243
- 31 A number or letter that appears little above the normal text is called:
- (A) Subscript  (B) Superscript  (C) Toptext  (D) Supertext
- 32 Which of the following is not a database?
- (A) Oracle (B) MySQL  
 (C) COBOL (D) Sybase
- 33 In MS-Word, which of the following shortcut keys can be used to insert hyperlink?
- (A) Ctrl + S (B) Ctrl + P  
 (C) Ctrl + K (D) Ctrl + M
- 34 Which of the following companies has launched a Taj Mahal inspired India Development Center (IDC) in Noida, Uttar Pradesh?
- (A) Amazon (B) Snapdeal  
 (C) Microsoft (D) Flipkart
- 35 Which of the following is true about Primary Storage?
- (A) It allows very fast access to data  
(B) It is directly accessible to the CPU  
 (C) All of the options  
(D) It is relatively more expensive
- 36 In Windows, DISM is a command-line tool that is used to mount and service Windows images before deployment. What does DISM stand for?
- (A) Development Image Staging and Management  
 (B) Deployment Image Servicing and Management  
(C) Differentiate Image Servicing and Monitoring  
(D) Deployment Image Servicing and Mounting

- 37 Who developed the basic architecture of Computers?  
(A) Blaise Pascal (B) Charles Babbage  
(C) Alexander Graham Bell (D) Jon Von Neumann
- 38 Arrange the following Mughal Emperors in order of succession :  
1. Shahjahan 2. Jahangir  
3. Babur 4. Akbar  
5. Aurangzeb 6. Humayun  
(A) 3, 1, 4, 2, 6, 5 (B) 3, 6, 4, 2, 1, 5  
(C) 6, 2, 4, 5, 3, 1 (D) 6, 3, 4, 1, 5, 2
- 39 Boat race is a special feature of '.....' festival.  
(A) Onam (B) Pongal  
(C) Bihu (D) Basant Panchmi
- 40 The Operating System manages which of the following?  
(A) Processor (B) Memory  
(C) All of the options (D) Disk and I/O Devices
- 41 India's first E-resource centre and virtual court 'Nyay Kaushal' has been inaugurated in which city?  
(A) Mumbai (B) Ahmedabad  
(C) Nagpur (D) New Delhi
- 42 In MS-Excel, when a range of cells is selected, how can you activate the cell previous to the currently activated cell in the selected range?  
(A) Tab Key (B) Alt Key  
(C) Shift + Tab Key (D) Enter Key
- 43 Who among the following was responsible for breaking the German Enigma Codes, and creation of a test that provided a foundation for artificial intelligence?  
(A) Alan Turing (B) Jeff Bezos  
(C) George Boole (D) Arthur Scherbius

- 44 The app launched by Reserve Bank of India (RBI) that would help visually impaired people to identify denomination of currency notes is .....
- (A) VANI (B) TANI  
(C) DANI (D) MANI
- 45 The perimeter of a circle, a square and an equilateral triangle are equal. Which one of the following statements is true?
- (A) The square has the largest area  
(B) The circle has the largest area  
(C) All three shapes have the same area  
(D) The equilateral triangle has the largest area
- 46 Which of the following is the smallest visual element in a video monitor?
- (A) Byte (B) Bit  
(C) Pixel (D) Character
- 47 Which of the following statements is false?
- (A) UEFI firmware can boot faster than BIOS  
(B) UEFI supports larger drive sizes than BIOS  
(C) None of these  
(D) UEFI provides Secure Boot feature, which can reduce the risk of Rootkit attack
- 48 When a computer boots up, the firmware code does a POST and checks if all connected devices are healthy. What does POST stand for?
- (A) Power On Self Test (B) Procedure On Startup Test  
(C) Power on Stack Trace (D) Program On Stack Test
- 49 In MS-Excel 2010 for an .xlsx file, there are a maximum of \_\_\_\_\_ rows and \_\_\_\_\_ columns.
- (A) 256, 65536 (B) 65536, 256  
(C) 524288, 8192 (D) 1048576, 16384
- 50 How many characters can be represented by an 8-bit Extended ASCII character encoding standard?
- (A) 128 (B) 64  
(C) 512 (D) 256

- 51 નીચેના વાક્યમાં આપેલી ખાલી જગ્યા માટે કયો માન્ય (સાચો) જોડણીવાળો શબ્દ પસંદ કરશો :  
 'તમારી ..... સૂરજ તપી રહ્યો હોય ત્યારે કોઈ ખોટાં કામ કરવાં નહીં'.
- (A) કારકિર્દીનો (B) કારકીર્દીનો  
 (C) કારકીર્દીનો (D) કારકિર્દીનો
- 52 Which one from the given options was not one of the nine jewels of Akbar?  
 (A) Todarmal (B) Birbal  
 (C) None of these (D) Man Singh
- 53 There are 16 teachers who can teach Thermodynamics(TD), 11 who can teach Electrical Sciences(ES), and 5 who can teach both TD and Engineering Mechanics (EM). There are a total of 40 teachers, 6 cannot teach any of the three subjects, i.e. EM, ES or TD. 6 can teach only ES, 4 can teach all three subjects, i.e. EM, ES and TD. 4 can teach ES and TD. How many can teach both ES and EM but not TD?  
 (A) 2 (B) 1  
 (C) 4 (D) 3
- 54 1536 Megabyte is equivalent to (Select Most Suitable)  
 (A) 1.5 Giga Byte (B) 1.5 Kilo Byte  
 (C) 1.2 Tera Byte (D) 1 Giga Byte
- 55 What does Binary mean?  
 (A) Binary is same as a byte which is 8 bits  
 (B) There are two possibilities: on or off  
 (C) There are 1 or more possibilities.  
 (D) There are three possibilities 0, 1 or 2
- 56 ..... is the first Organic State of India.  
 (A) Himachal Pradesh (B) Sikkim  
 (C) Maharashtra (D) Gujarat
- 57 Which of the following shortcut keys can be used to create a chart in MS-Excel?  
 (A) F10 (B) F11  
 (C) F2 (D) F4

- 58 What is the name of the mobile app launched for locating outlets and searching generic medicine?  
 (A) KheloIndia (B) DigiCop  
 (C) Janaushadhi Sugam  (D) KumbhAushadi
- 59 In MS-Word, which of the following shortcut keys can be used to reset the font style from selected text?  
 (A) Ctrl + Backspace  (B) Ctrl + Space  
 (C) Ctrl + \* (D) Ctrl + R
- 60 The first Games for the disabled athletes were held in the year 1948 in .....  
 (A) Brazil (B) Netherlands  
 (C) United States (D) England
- 61 The Hirakud Project is on river .....  
 (A) Damodar (B) Sutlej  
 (C) Tunghabhadra  (D) Mahanadi
- 62 You are given a task of upgrading a 1TB Hard Disk Drive of an old computer to 512 GB Solid State Drive. You are not given any information about the Ports available for this upgrade. Which of the following types of SSDs would be most suitable considering its compatibility?  
 (A) NVMe SSD with M.2 Connector  
 (B) 2.5" SATA SSD  
 (C) All of the options are compatible.  
 (D) NVME SSD with PCIe Connector
- 63 અનુજ પરિશ્રમી છોકરો છે - વાક્યમાં 'પરિશ્રમી' શું છે ?  
 (A) વિશેષણ (B) સર્વનામ  
 (C) ક્રિયાપદ (D) નામ
- 64 Who among the following is known as 'Indian Bismarck' ?  
 (A) Sardar Vallabhbhai Patel (B) Mahatma Gandhi  
 (C) Dadabhai Naoroji (D) Rabindranath Tagore

- 65 Which of the following statements is not true for MS-Power Point?
- (A) To insert an image into the slide of a presentation you can choose Picture from the Insert Menu, select the file to insert.
- (B) Text can be directly entered into a Slide but text boxes are added just for convenience
- (C) None of these
- (D) You can view a power point presentation in Normal, Slide Sorter and Slide Show view
- 66 'Charminar Trophy' is associated with which of these sports?
- (A) Horse Racing
- (C) Athletics
- (B) Chess
- (D) Shooting
- 67 A number needs to be identified. The following three statements are given that can help in identifying that number.
1. If the number is a multiple of 3, then it is a number from 50 to 59.
  2. If the number is NOT a multiple of 4, then it is a number from 60 to 69.
  3. If the number is NOT a multiple of 6, then it is a number from 70 to 79.
- What is the number?
- (A) 65
- (C) 76
- (B) 54
- (D) 66
- 68 Which of the following programming languages are classified as low level languages?
- (A) Java, Python
- (C) Assembly Languages
- (B) C, C++
- (D) BASIC, COBOL
- 69 In MS-Excel, which of the following function can be used to count the number of cells that match the given criteria ?
- (A) CountA
- (B) Count
- (C) Sum
- (D) Countif
- 70 The world's first country to launch 6G communication test satellite is .....
- (A) Russia
- (B) Japan
- (C) United States
- (D) China

- 71 The Radius and Height of a circular cone is increased by 10%. What is the percentage increase in its volume?  
 (A) 31.33 (B) 21  
 (C) 33.1 (D) 17.28
- 72 Two trains started at 7:00 AM from point B. The train Q is north bound at 80km/h and the train R is south bound at 100km/h. The time at which they will be 720km apart is  
 (A) 11:00 AM (B) 10:00 AM  
 (C) 12:00 AM (D) 9:00 AM
- 73 You are asked to format an 8 GB flash drive and transfer a single file having size 4.6 GB on to the drive. Which of the following file systems would be the best suited while formatting?  
 (A) ExFAT  
 (B) FAT32  
 (C) Flash drives cannot store files having size more than 4 GB.  
 (D) FAT16
- 74 Which one of the following is a measurement of Computer Speed?  
 (A) Gigahertz (B) Nanoseconds  
 (C) Newton (D) GigaBytes
- 75 Eminent International Player 'Dipika Pallikal' is associated with which of these sports?  
 (A) Billiards (B) Squash  
 (C) Archery (D) Chess
- 76 What does NVMe, a type of SSD, stand for?  
 (A) Non-Volatile Motherboard Edition  
 (B) Non-Volatile Memory Editor  
 (C) Non-Volatile Memory Exchange  
 (D) Non-Volatile Memory Express
- 77 The plural of 'Axis' is .....  
 (A) Axes (B) Axus  
 (C) Asixes (D) Axise

- 78 Which telcom company became the first in India to demonstrate the operation of 5G network?  
 (A) Vi (B) Airtel  
 (C) Reliance Jio (D) BSNL
- 79 The current cost of building a structure is Rs. 13,200. If the labour wages per day increase by  $\frac{1}{5}$  of the current wages and the working hours decrease by  $\frac{1}{24}$  of the current period, then the new cost of building in Rupees is .....  
 (A) 15180 (B) 16500  
 (C) 10120 (D) 11000
- 80 In MS-Word, which of the following shortcut keys can be used to increase the font size by 1pt upto 12pt and thereafter by 2pts upto 28pt?  
 (A) Ctrl + ] (B) Ctrl + +  
 (C) This cannot be done (D) Ctrl + Shift + >
- 81 In MS-Power Point which of the following shortcut keys is used to insert a new slide?  
 (A) Ctrl + S (B) Ctrl + N  
 (C) Alt + M (D) Ctrl + M
- 82 સિંહનો પર્યાય ન હોય, તેવો શબ્દ શોધો.  
 (A) વનરાજ (B) સાવજ  
 (C) કપિલ (D) કેસરી
- 83 The first commercial product produced through genetic engineering is .....  
 (A) Aspirin (B) Paracetamol  
 (C) None of these (D) Insulin
- 84 Which among the following search engines was launched before the others?  
 (A) Google (B) Bing  
 (C) ALIWEB (D) Yahoo! Search
- 85 Give antonym of the word: 'Absurd'  
 (A) Reasonable (B) Preposterous  
 (C) None of these (D) Bizarre

86 Find the odd one from the given options:

- (A) I, Q, W, A  
(B) W, E, K, O  
(C) N, V, B, D  
(D) F, N, T, X

87 What does GPT stand for?

- (A) Global Partition Trace  
(B) GUID Partition Table  
(C) Grand Partition Table  
(D) Gifted Partition Table

88 ..... was the most radical disciple of Ramananda who sought to remove distinction between Hindus and Muslims and believed in social unity.

- (A) Tulsidas  
(B) Ramanuja  
(C) Kabir  
(D) Tukaram

89 What does VoIP stand for?

- (A) Video over Internet Protocol  
(B) Voice over Internet Protocol  
(C) Voice over International Protocol  
(D) Voice out Input Prediction

90 Which of the following is an initial program stored in a Secondary Memory?

- (A) Kernel  
(B) OS Version  
(C) JDK  
(D) Bootloader

91 In Linux, which of the following commands is used to create File System?

- (A) fsck  
(B) fdisk  
(C) mount  
(D) mkfs

92 What is the full form of XML?

- (A) Extended Madeup Language  
(B) Extensible Media Language  
(C) Extensible Markup Language  
(D) Xtending Markup Language

93 By default in MS-Power point-2007, which of the following tabs is not available on left panel when you open a presentation?

- (A) Notes  
(B) Outline  
(C) None of these  
(D) Slides

- 94 ..... is a type of fungi which is made up of just one cell.  
(A) Yeast (B) Bacteria  
(C) None of these (D) Protozoa
- 95 Out of all the 2 digit integers between 1 and 100, a 2 digit number has to be selected at random. What is the probability that the selected number is not divisible by 7?  
(A) 12/89 (B) 13/90  
(C) 77/90 (D) 78/90
- 96 Cache memory is implemented using .....  
(A) DRAM (B) SRAM  
(C) None of these (D) ROM
- 97 Which of the following is India's First Social Media App launched by Vice President Shri Venkaiah Naidu?  
(A) Chatmate (B) Milap  
(C) Elyments (D) Connect
- 98 Which of the following terms can refer to anything that has to do with the role of people in the development or use of computer software and hardware systems, including such issues as developer productivity, teamwork, group dynamics, human interface design etc.?  
(A) Programmer (B) Computer Operator  
(C) Peopleware (D) System Analyst
- 99 What is the full form of AVI Format?  
(A) All Video Interpreter (B) Alternate Video Interface  
(C) Audio Video Interface (D) Audio Video Interleave
- 100 A VGA cable is used for computer video output, what does VGA stand for?  
(A) Video Graphics Array (B) Visual Graphics Arrangement  
(C) Visual Graphs Adaptor (D) Volatile Graphics Array