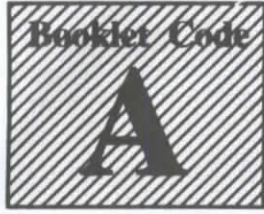


# ENTRANCE EXAMINATION (I) JAN. 2018



Question Booklet  
Number

30349

(To be filled in by the Candidate / निम्न पूर्तियाँ परीक्षार्थी स्वयं भरें)

Roll No. (in figures)

अनुक्रमांक (अंकों में)

Roll No. (in words)

अनुक्रमांक (शब्दों में)

Name of Centre

केन्द्र का नाम

[ Maximum Marks : 75

[ अधिकतम अंक : 75

[ Time : 2 Hours

[ समय : 2 घण्टे

Signature of Candidate  
अभ्यर्थी के हस्ताक्षर

Signature of Invigilator  
निरीक्षक के हस्ताक्षर

### Instructions to the Examinee :

1. Do not open the booklet unless you are asked to do so.
2. The booklet contains 75 questions. Examinee is required to answer all questions in the OMR Answer-Sheet provided and not in the question booklet. All questions carry equal marks.
3. Examine the Booklet and the OMR Answer-Sheet very carefully before you proceed. Faulty question booklet due to missing or duplicate pages/question or having any other discrepancy should be immediately replaced.

(Remaining instructions on last page)

### परीक्षार्थियों के लिए निर्देश :

1. प्रश्न-पुस्तिका को तब तक न खोलें जब तक आपसे कहा न जाए।
2. प्रश्न-पुस्तिका में 75 प्रश्न हैं। परीक्षार्थी को सभी प्रश्नों को केवल दी गई OMR आन्सर-शीट पर ही हल करना है, प्रश्न-पुस्तिका पर नहीं। सभी प्रश्नों के अंक समान हैं।
3. प्रश्नों के उत्तर अंकित करने से पूर्व प्रश्न-पुस्तिका तथा OMR आन्सर-शीट को सावधानीपूर्वक देख लें। दोषपूर्ण प्रश्न-पुस्तिका जिसमें कुछ भाग छपने से छूट गये हों या एक से अधिक बार छप गये हों या उसमें किसी अन्य प्रकार की कमी हो, उसे तुरन्त बदल लें।

(शेष निर्देश अन्तिम पृष्ठ पर)

30248

1. Find out the number which should come at the place of question mark to complete the series : 4, 16, 36, 64, 100, ?

- (A) 44  
 (B) 144  
(C) 172  
(D) 150.

(B)

2. There are five books A, B, C, D and E placed on a table. If A is placed below E, C is placed above D, B is placed below A and D is placed above E, then which of the following books touches the surface of the table ?

- (A) C  
 (B) B  
(C) A  
(D) E.

(B)

**Instruction for Question Number 3 :** There is one question and three statements I, II and III given below the question. You have to decide whether the data given in the statements is sufficient to answer the question. Read all the statements carefully and find which of the statements is/are sufficient to answer the given question.

3. **Question :** In which year was Rama born ?

**Statements :**

- (i) Rama is six years older than Sita.  
(ii) Sita's sister was born in 1982.  
(iii) Rama's sister is two years younger than Sita's sister who was eight years younger than Sita.

- (A) Only (i) and (ii)  
(B) Only (ii) and (iii)  
 (C) All (i), (ii) and (iii)  
(D) Only (i) and (iii).

(C)

4. If HOBBY is coded as IOBY and LOBBY is coded as MOBY; then BOBBY is coded as

- (A) BOBY  
 (B) COBY  
(C) DOBY  
(D) OOPY.

(B)

5. If A = 2, B = 3, C = 4, D = 5 and so on, what is the sum of numbers for the word KITE ?

- (A) 49  
(B) 48  
(C) 50  
(D) 53.

(A)

6. What should come in the place of ( ? ) in the given series ?

ACE, FGH, ?, PON

- (A) JKI  
(B) HJH  
(C) IKM  
 (D) KKK.

(D)

7. Rajasthan day is celebrated on

- (A) 30th March  
(B) 24th September  
(C) 12th August  
(D) 1st December.

(A)

**Instruction for Question Number 8 and 9 :** The proportion of male student and proportion of vegetarian in a college are given below. The college has a total of 1200 students, 80% of whom are in the B.A. and rest equally divided between B.Com. and B.Sc.

	Male (M)	Vegetarian (V)
B.Com.	0.60	—
B.Sc.	0.55	0.50
B.A.	—	0.55
Total	0.475	0.53

8. What is the percentage of vegetarian students in B.Com. ?

- (A) 40  
 (B) 45  
 (C) 50  
 (D) 55.

(A)

9. What is the percentage of male students in B.A. ?

- (A) 40  
 (B) 45  
 (C) 50  
 (D) 55.

(B)

**Instruction for Question Number 10 and 11 :**

In each of the following questions a statement is given followed by two Arguments. Mark the appropriate option.

10. **Statement :** Should the health care services be nationalised ?

**Argument I :** Yes, it has been done elsewhere in the world.

**Argument II :** No, the quality of health care services will deteriorate.

- (A) Only I is strong  
 (B) Only Argument II is strong  
 (C) Both the Arguments are strong

(D) Neither I nor II is strong.

(D)

11. **Statement :** Should drivers be prohibited to consume liquors ?

**Argument I :** Yes, it reduces the chance of un-controlled driving of vehicles.

**Argument II :** No, it adds to stamina in them.

- (A) Only I is strong  
 (B) Only Argument II is strong  
 (C) Both the Arguments are strong  
 (D) Neither I nor II is strong

(A)

12. If TOUR is written as 1234, CLEAR is written as 56784 and SPARE is written as 90847, find the code for CARE.

- (A) 1247  
 (B) 4847  
 (C) 5247  
 (D) 5847.

(D)

13. Who is the first Indian woman nominated to the International Olympic Committee ?

- (A) P.T. Usha  
 (B) Marry Com  
 (C) Nita Ambani  
 (D) Ashwini Nachappa.

(C)

14. 8, .....16, 26, 24, 20, 32, 14

- (A) 30  
 (B) 32  
 (C) 20  
 (D) 40.

(B)

15. If  $94 \times 22 = 9$ ,  $37 \times 12 = 7$ ,  $26 \times 14 = 3$ , then  $56 \times 22 = ?$

- (A) 36  
 (B) 6  
 (C) 7  
 (D) 11.

(C)

16. Which one of the following represents the binary equivalent of the decimal number 23 ?  
 (A) 01011  
 (B) 10111  
 (C) 10011  
 (D) None of the above. (B)
17. Computer virus is a .....  
 (A) Hardware  
 (B) Bacteria  
 (C) Software  
 (D) None of the above. (C)
18. ATM means  
 (A) Any Time Money  
 (B) Automatic Tele Money  
 (C) Automated Teller Machine  
 (D) Any Time Marketing. (C)
19. Which of the following is not an output device ?  
 (A) Plotter  
 (B) Scanner  
 (C) Flat Screen  
 (D) Touch Screen. (B)
20. When you make a graph and picture in document, then your computer holds the data in .....  
 (A) Restore file  
 (B) Backup drive  
 (C) Clipboard  
 (D) Memory. (D)
21. SQL stands for .....  
 (A) Standard Query Language  
 (B) Static Query Language  
 (C) Simplified Query Language  
 (D) Structured Query Language. (D)
22. Which of the most important item in a client-server network ?  
 (A) Server  
 (B) Hub  
 (C) Switch  
 (D) Client. (A)
23. 'INI' extension refers to  
 (A) Image file  
 (B) System file  
 (C) Movie file  
 (D) Word file. (B)
24. Which command is used to reboot the computer ?  
 (A) Ctrl+Shift+Del  
 (B) Ctrl+Del+End  
 (C) Ctrl+Alt+Del  
 (D) Both (A) and (C). (C)
25. Father of the computer is .....  
 (A) Charles Babbage  
 (B) Vint Cerf  
 (C) Dennis Ritche  
 (D) David Filo. (A)



26. One Terabyte (TB) is equal to  
(A) 1000 megabytes  
(B) 2048 megabytes  
 (C) 1024 gigabytes  
(D) 1024 megabytes. (C)
27. Name of the Super computer developed by Indian scientists.  
 (A) Param  
(B) Cray I  
(C) Blue Gene (A)  
(D) IBM Sequoia.
28. DSL is an example for ..... connection.  
(A) Network  
(B) Wireless  
(C) Internet  
 (D) Broadband. (D)
29. .... is the programme that manages CPU, Memory, Storage devices and Input/Output devices.  
(A) Super system  
(B) Application software  
 (C) Operating system (C)  
(D) Control system.
30. Holding the mouse button down while moving an object or text is known as .....  
(A) Moving  
 (B) Dragging (B)  
(C) Dropping  
(D) Highlighting.
31. GIF stands for  
(A) Global information format  
(B) Graphic information format  
(C) Graphics interchange file  
 (D) Graphic interchange format. (D)
32. This technology allows a phone call to be routed over network wires.  
 (A) VOIP  
(B) Tele-conferencing (A)  
(C) Video-conferencing  
(D) None of these.
33. When you turn on the computer, the boot routine will perform this test ?  
(A) Ram test  
(B) Disk drive test  
(C) Memory test  
 (D) Power-on-self test. (D)
34. The ..... protects your system from hackers.  
 (A) Firewall  
(B) Backup  
(C) Anti-virus (A)  
(D) Restore.
35. SITE stands for  
(A) Satellite Instructional Technology and Engineering  
(B) State Institute of Teachers Education  
 (C) Satellite Instructional Television Experiment (C)  
(D) State Institute of Technology and Engineering.

36. ICT (Information and Communication Technology) includes  
 (A) E-mail  
 (B) Internet  
 (C) Educational TV  
 (D) All the above. (D)
37. Data warehouse is  
 (A) A godown  
 (B) A shop selling computers  
 (C) A showroom (D)  
 (D) A system where data on customers is stored.
38. The contents of ..... are lost when the computer turn off.  
 (A) Memory  
 (B) Storage  
 (C) Input (A)  
 (D) Output.
39. The ability of an OS to run more than one application at a time is called .....  
 (A) Multitasking  
 (B) Object oriented programming  
 (C) Multi user computing (A)  
 (D) Time sharing.
40. A computer program that translates a program statement by statement into machine language is called a/an .....  
 (A) Compiler  
 (B) Simulator  
 (C) Translator  
 (D) Interpreter (D)
41. Minimum number of bits required to store any 3 digit decimal number equal to  
 (A) 3  
 (B) 5  
 (C) 10 (C)  
 (D) 8.
42. What is correcting errors in a program called ?  
 (A) Compiling  
 (B) Debugging (B)  
 (C) Grinding  
 (D) Interpreting.
43. .... is data that has been organised or presented in a meaningful fashion.  
 (A) A process  
 (B) Storage  
 (C) Software  
 (D) Information. (D)
44. Documents converted to ..... can be published to the Web.  
 (A) PDF files  
 (B) http  
 (C) Machine language  
 (D) HTML. (D)
45. Unsolicited commercial e-mail is commonly known as  
 (A) Spam (A)  
 (B) Draft  
 (C) Hypertext  
 (D) Junk.

46. Symbols A-F are used in which one of the following ?  
 (A) Binary number system  
 (B) Decimal number system  
 ✓(C) Hexadecimal number system (C)  
 (D) Octal number system.
47. What is a file extension of template in Microsoft word 2007 ?  
 (A) .Dtep  
 (B) .Dott  
 ✓(C) .Dotx (C)  
 (D) .Doct.
48. A storage area used to store data to compensate for the different in speed at which different units can handle data is  
 (A) Memory  
 ✓(B) Buffer (B)  
 (C) Accumulator  
 (D) Address.
49. Integrated Circuits (ICs) are related to which generations of computers ?  
 (A) First generation  
 (B) Second generation  
 ✓(C) Third generation (C)  
 (D) Fourth generation
50. The ALU of a computer responds to the commands coming from  
 (A) Primary memory  
 ✓(B) Control section (B)  
 (C) External memory  
 (D) Cache memory.
51. Which of the following produces the best quality graphics reproduction ?  
 (A) Laser printer  
 (B) Ink Jet printer  
 ✓(C) Plotter (C)  
 (D) Dot Matrix printer
52. What types of control pins are needed in a microprocessor to regulate traffic on the bus, in order to prevent two devices from trying to use it at the same time ?  
 ✓(A) Bus arbitration (A)  
 (B) Bus control  
 (C) Interrupts  
 (D) Status.
53. The word processing task associated with changing the appearance of a document is  
 (A) Editing  
 ✓(B) Formatting (B)  
 (C) Writing  
 (D) All the above.
54. Algorithm and flow chart help us to  
 (A) Know the memory capacity  
 (B) Identify the base of a number system  
 (C) Direct the output to a printer  
 ✓(D) Specify the problem completely and clearly. (D)
55. The difference between memory and storage is that memory is ..... and storage is .....  
 ✓(A) Temporary, Permanent (A)  
 (B) Permanent, Temporary  
 (C) Slow, Fast  
 (D) All the above.



56. If a computer provides database services to other, then it will be known as ---  
 (A) Web server  
 (B) Application server  
 ✓(C) Database server (C)  
 (D) FTP server.
57. Full form of URL is ---  
 ✓(A) Uniform Resource Locator (A)  
 (B) Uniform Resource Link  
 (C) Uniform Registered Link  
 (D) Unified Resource Link.
58. Which of the following is used in RAM ?  
 (A) Conductor  
 ✓(B) Semi Conductor (B)  
 (C) Vacuum Tubes  
 (D) Transistor.
59. Which among the following is commonly used language in Android applications ?  
 (A) C  
 (B) Php  
 (C) C++ (D)  
 ✓(D) Java.
60. Which of the following is odd ?  
 (A) CD/DVD  
 (B) Floppy Disk  
 (C) SD Disk (D)  
 ✓(D) BIOS.
61. What is the full form of SMPS ?  
 ✓(A) Switch Mode Power Supply (A)  
 (B) Simple Mode Power Supply  
 (C) Storage Mode Power Supply  
 (D) Storage Mode Power Shortage.
62. BIOS is used for  
 (A) Updating system information on network  
 ✓(B) Loading operating system (B)  
 (C) It help in routing  
 (D) Take input from key board and other devices.
63. IP address version 4 is in which format ?  
 (A) 4 bit  
 (B) 8 bit  
 (C) 16 bit  
 ✓(D) 32 bit. (D)
64. Intersection of columns and rows is called a -----  
 (A) Data  
 (B) Table  
 ✓(C) Cell (C)  
 (D) Schema.
65. What is meaning of OMR ?  
 ✓(A) Optical Mark Reader (A)  
 (B) Optical Message Reader  
 (C) Optical Message Render  
 (D) Optical Mark Render.

66. Which function key is used to check spellings ?  
 (A) F2  
 (B) F5  
 ✓(C) F7  
 (D) F11. (C)
67. Which among the following is an engine of computer ?  
 (A) Mouse  
 (B) Scanner  
 (C) Monitor  
 ✓(D) Processor. (D)
68. Which of the following is a non-volatile memory ?  
 (A) RAM  
 (B) LSI  
 (C) VLSI  
 ✓(D) ROM. (D)
69. C is what kind of language ?  
 (A) An assembly language  
 ✓(B) High level language  
 (C) A machine language  
 (D) Business language. (B)
70. Pick out E-commerce application from the following.  
 (A) DTP  
 (B) SQL  
 (C) Tally  
 ✓(D) ATM. (D)
71. What type of switching is used in internet ?  
 ✓(A) Packet  
 (B) Telephone  
 (C) Circuit  
 (D) Telex. (A)
72. The arranging of data in logical sequence is called  
 ✓(A) Sorting  
 (B) Classifying  
 (C) Reproducing  
 (D) Summarizing. (A)
73. Verification is a process of ----  
 (A) Access  
 (B) Login  
 (C) Logout  
 ✓(D) Authentication. (D)
74. An electronic path, that sends signals from one part of computer to another is  
 (A) Logic Gate  
 (B) Modem  
 ✓(C) Bus  
 (D) Serial Port. (C)
75. The binary equivalent of  $(-19)_{10}$  in signed magnitude system is  
 (A) 11101100  
 (B) 11101101  
 ✓(C) 10010011  
 (D) None of the above. (C)

**SPACE FOR ROUGH WORK**  
रफ कार्य के लिए

4. Four alternative answers are mentioned for each question as A, B, C and D in the booklet. The candidate has to choose the most appropriate answer and mark the same in the OMR Answer-Sheet as per the direction :

**Example / उदाहरण :**

**Question**

Q.#	(A)	●	(C)	(D)
Q.#	(A)	(B)	●	(D)
Q.#	(A)	●	(C)	(D)

4. प्रश्न-पुस्तिका में प्रत्येक प्रश्न के चार सम्भावित उत्तर हैं (A, B, C और D)। परीक्षार्थी को इन चारों विकल्पों में से एक सबसे सही अथवा सबसे उपयुक्त उत्तर छाँटना है। उत्तर को आन्सर-शीट में सम्बन्धित प्रश्न संख्या में निम्न प्रकार भरना है :

Illegible answers with cutting and over-writing will be cancelled.

5. In case the Candidate does not fill the appropriate circle in the Answer-Sheet and leave blank 'Zero' mark will be given.
6. The candidate has to mark answers on the OMR Answer-Sheet with black or blue ball point pen only carefully as per directions.
7. There will be no negative marking.
8. **The examinee will make sure that Question Booklet and OMR Answer-Sheet is handed over to the invigilator before leaving the examination hall.**
9. Rough work, if any, should be done on the blank page provided for the purpose in the booklet. **The candidate should not put any stray mark on the OMR Answer-Sheet.**
10. Write your Roll Number and other required details in the space provided on the title page of the booklet and on the OMR Answer-Sheet with ink pen or ball pen. **Do not use lead pencil.**
11. To bring and use of log-book, calculator, pager and cellular phone in examination hall is prohibited.

अपठित उत्तर या ऐसे उत्तर जिन्हें काटा या बदला गया है, निरस्त कर दिये जायेंगे।

5. यदि परीक्षार्थी आन्सर-शीट में उपयुक्त गोले को नहीं भरता है और आन्सर-शीट को खाली छोड़ देता है, तो 'शून्य' अंक प्रदान किया जायेगा।
6. अभ्यर्थी को प्रश्नों के उत्तर OMR आन्सर-शीट पर केवल काले या नीले बाल प्वाइंट पेन से निर्देशानुसार अंकित करने होंगे।
7. निगेटिव मार्किंग नहीं है।
8. परीक्षा की समाप्ति पर परीक्षा भवन छोड़ने से पूर्व अभ्यर्थी को प्रश्न-पुस्तिका एवं OMR आन्सर-शीट निरीक्षक के पास जमा करनी होगी।
9. कोई भी रफ कार्य, प्रश्न पुस्तिका में, रफ कार्य के लिए दिये खाली पेज पर ही किया जाना चाहिए। **OMR आन्सर-शीट पर अभ्यर्थी किसी भी प्रकार का निशान नहीं बनायेंगे।**
10. प्रश्न-पुस्तिका के मुखपृष्ठ पर तथा OMR आन्सर-शीट पर निर्धारित स्थान में अनुक्रमांक तथा अन्य विवरण इंक पेन या बाल प्वाइंट पेन से ही भरें। **पेन्सिल का प्रयोग न करें।**
11. परीक्षा कक्ष में लॉग-बुक, कैल्कुलेटर, पेजर तथा सेल्युलर फोन ले जाना तथा उसका उपयोग करना वर्जित है।