Do not start attempting the test paper until you are asked to do so.



ENROLLMENT NUMBER:

STUDENT NAME:

To get Year-wise Performance Comparison Report, Map your Admission No. at www.silverzone.org/MapMyAdmissionNo within 10 days of this examination.

Maximum Marks :

100

Duration

60 Minutes

Total Questions 50

Test Paper Type

INTERNATIONAL INFORMATICS 2019-2020

Instructions for the Candidates

- Write your 12 digit Enrollment Number and your name on top of the Question Paper in the given space.
- Keep the OMR Sheet in good/neat condition. Do not fold/damage the OMR
- Do not forget to sign the OMR sheet.
- The Question Paper Booklet consists of 50 questions, divided into three sections.
- Section-A: Computer Science (30 questions); Section-B: Reasoning and Aptitude (10 questions); Section-C: Scholar's Zone (10 questions).
- Each question of Section-A carries 2 marks, Section-B carries 1.5 marks and that of Scholar's Zone carries 2.5 marks.
- All the questions are compulsory and there is no negative marking.
- 8. Use of calculator or any other devices in the examination is strictly prohibited.
- Choose only ONE OPTION as an answer.
- 10. BLUE/BLACK ball pen is preferred to darken the circle, however, in case of non-availability an HB pencil can be used. Mark your choice of answer in the OMR sheet, by darkening a circle as shown below.
 - (A)(B)(D)
- 11. Rough work should be done on the blank sheet/space provided in the Question Paper Booklet.

Section—A (Computer Science)

| 1. | Which of the following is an environment in which programs of the computer system are executed? | | | | | | | |
|----|---|---|-------|----------------------|--|--|--|--|
| | A. | Operating system | B. | Nodes | | | | |
| | C. | Clustered system | D. | Both A and B | | | | |
| 2. | Which one of the following is not a multitasking | | | | | | | |
| | ope | erating system? | | | | | | |
| | A. | DOS | B. | Windows | | | | |
| | C. | Unix | D. | Linux | | | | |
| 3. | Binary numbers need more places for counting because: | | | | | | | |
| | A. | A. they are always big numbers. | | | | | | |
| | B. | any number of 0s can be added in front of them. | | | | | | |
| | C. | binary base is sma | 11. | | | | | |
| | D. | 0s and ls have to b | e pro | operly spaced apart. | | | | |
| 4. | In css what does h1 can be called? | | | | | | | |
| | A. | Selector | B. | Attribute | | | | |
| | C. | Value | D. | Tag | | | | |
| 5. | The resource management in operating system can be done via: | | | | | | | |
| | A. | | | | | | | |
| | B. | | | | | | | |
| | C. | . virtual machine | | | | | | |
| | D. | Both A and B | | | | | | |
| 6. | Where in an HTML document is the correct place | | | | | | | |
| | to refer to an external style sheet? | | | | | | | |
| | A. At the end of the document | | | | | | | |
| | B. | B. In the <head> section</head> | | | | | | |
| | C. | C. At the top of the document | | | | | | |
| | D. | In the <body> sec</body> | tion | | | | | |
| 7. | The output of an AND gate with three inputs, A, B and C, is HIGH when | | | | | | | |
| | A. | A = 1, B = 1, C = 0 | 0 | | | | | |
| | B. $A = 0, B = 0, C = 0$ | | | | | | | |
| | C. $A = 1, B = 1, C = 1$ | | | | | | | |
| | D. | D. $A = 1, B = 0, C = 1$ | | | | | | |
| | , _, _ , | | | | | | | |

| 8. | | at program runs first after computer is booted loading GUI? |
|-----|-----|--|
| | A. | Desktop Manager |
| | B. | File Manager |
| | C. | Windows Explorer |
| | D. | Authentication |
| 9. | Wh | at is a stub network? |
| | A. | A network that has only one entry and eximpoint |
| | B. | A network with only one entry and no exist point |
| | C. | A network with more than one exit point |
| | D. | A network with more than one exit and entry point |
| 10. | Ho | w do you insert a comment in a CSS file? |
| | A. | // this is a comment // |
| | B. | /* this is a comment */ |
| | C. | 'this is a comment' |
| | D. | // this is a comment |
| 11. | | w do you add a background color for all <h1>ments in CSS?</h1> |
| | A. | all.h1 {background-color:#FFFFF}} |
| | B. | h1.all {background-color:#FFFFFF} |
| | C. | h1 {background-color:#FFFFF}} |
| | D. | None of these |
| 12. | A] | NAND gate has inputs and |
| | out | put. |
| | A. | LOW inputs and LOW outputs |
| | B. | HIGH inputs and HIGH outputs |
| | C. | LOW inputs and HIGH outputs |
| | D. | None of these |
| 13. | The | e HTML <div> element is a(n):</div> |
| | A. | Inline Element |
| | В. | Outline Element |
| | C | Block Level Element |

D. All of these

| 4. | What is the use of print manage window? | 21. Which of the following elements of html contactory copyright information? | | | | |
|-----|---|---|---|------------|-----------------------|--|
| | A. To check status of files in the print queue | A. He | | В. | Footer | |
| | B. To cancel the print job | | ragraph | D. | Heading | |
| | C. To interrupt printing | | | | | |
| 15 | D. All of these Which of the following is a technique which | | A small piece of program that can add interactivity to your website is known as: | | | |
| ١). | enables a big program to run on available memory? | A. Me | eta | B. | Script | |
| | A. Multitasking | C. Ma | arquee | D. | All of these | |
| | B. Multiprogramming | 22 To 22 4h | Tags that are used to tell meaning of the enclosed text (e.g.) are called: | | | |
| | C. Virtual memory | U | | | | |
| | D. Memory management | ` ` | milar tags | _ | Defined tags | |
| | | | ysical tags | | Logical tags | |
| 16. | Which HTML attribute is used to define inline | C. Fil | ysicai tags | D. | Logical tags | |
| | styles? | 24. The ga | ite which is u | sed to | reverse the output | |
| | A. font B. class | obtaine | ed is | e' | | |
| | C. styles D. style | A. NO |)R | | | |
| 17. | For which of the following logic gates output will | B. NA | AND | | | |
| | be a low for any case when one or more inputs | C. EX | KOR | | | |
| | are zero for a(n): | D. NO | TC | | | |
| | A. OR gate B. NOT gate | 25 Which | of the followin | g datal | pase objects produces | |
| | C. AND gate D. NOR gate | | al result to pres | _ | F | |
| 18 | Which type of query extracts the data and puts | A. For | rms | | | |
| | them into separate tables? | B. Re | ports | | | |
| | A. A parameter query | | ieries | | | |
| | B. A make-table query | D. Tal | bles | | | |
| | C. An update query | OC 37-1: 1-4 | | نبيد المام | 11. | |
| | D. A cross tab query | | tion rule in a fi | | | |
| 19. | ALINK and VLINK are attributes of which tag? | A. che | | ntered | when user leaves the | |
| | A. <head> B. <body></body></head> | | - I | | ecified format when | |
| | C. <html> D. <title></td><td></td><td>er leaves the fi</td><td></td><td></td></tr><tr><td></td><td>XXII 1</td><td></td><td>fine the appear</td><td></td><td></td></tr><tr><td>20.</td><td>Which one of the following is not true?</td><td>D. the</td><td>ere is no option</td><td>ı of Va</td><td>llidation Rule.</td></tr><tr><td></td><td>A. Kernel is the program that constitutes the central core of the operating system.</td><td>27. What is</td><td>s buffering?</td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>empora</td><td>arily storing the data</td></tr><tr><td></td><td>B. Kernel is the first part of the operating system to load into memory during booting.</td><td></td><td></td><td></td><td>tion in device speeds</td></tr></tbody></table></title></html> | | | | | |

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entire computer session.

C. Kernel is made of various modules which can

D. Kernel remains in the memory during the

not be loaded in running the operating system.

REF/iiO19/BB

B. A method to reduce cross-talks

Storage of data within the transmitting

medium until the receiver is ready to receive

D. A method to reduce the routing overhead

28. In computer network, nodes are: A. Mainframes Microcomputers В. A. the computers that starts the data. C. Microprocessors D. **PDAs** B. the computer that routes the data. 30. is a technology that allows telephone C. the computer that terminates the data. calls to be made over computer networks like D. All of these the Internet. A. VoIP 29. The invention of B. **GSM** gave birth to the much cheaper micro computers. C. Modem D. CDMA

Section-B (Reasoning and Aptitude)

| 31. | Find | the | missing | term. |
|-----|------|-----|---------|---------|
| | | | | COLLII. |

323, 316, 308, 296, 257, 202, ?

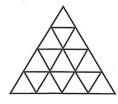
- A. 155
- B. 96
- C. 47
- D. 22
- 32. To establish the same relationship between two pair of terms on either side of '::' choose the option that will replace the question mark(?).

Titan: Saturn: Deimos:?

- A. Mars
- B. Jupiter
- C. Saturn
- D. Venus
- 33: In the certain language:
 - i. 'kemp lamp terns' means 'speak the truth';
 - ii. 'bis tim nak' means 'always seek knowledge';
 - iii. 'tim terns sik' means 'knowledge is truth';
 - iv. 'lik bis zap' means 'never seek violence';

Which letter code stands for 'always'?

- A. nak
- B. tim
- C. bis
- D. zap
- 34. How many triangles are there in the following figure?



- A. 29
- B. 27
- C. 23
- D. 30

- 35. The questions is based on the following information:
 - A % B means A is 2m west of B.
 - A @ B means A is 5m east of B.
 - A \$ B means A is 1m north of B.
 - A * B means A is 3m south of B.

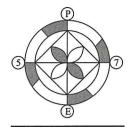
If the expression 'C%L *A%S*M%R' is true, what is the shortest distance between C and R?

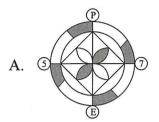
- A. 2m
- B. $\sqrt{72}$ m
- C. $\sqrt{32}$ m
- D. √36m
- 36. This question is based on the following information:
 - P % Q means P is the father of Q.
 - P @ Q means P is the brother of Q.
 - $P \$ Q means P is the daughter of Q.
 - P * Q means P is the son of Q.
 - $P \otimes Q$ means P is mother of Q
 - P & Q means P is wife of Q

If the expression 'J @ K & L @ M \$ O' is true, then which of the following is definitely true?

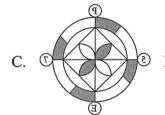
- A. O is mother of M
- B. J is brother of L
- C. K is sister in law of M
- D. O is mother in law of K

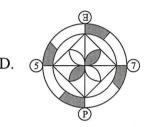
37. Find the water image





B. ②





38. What comes next in the following pattern.

| 5 | 15 | 3 | 7 |
|----|----|----|----|
| 7 | 12 | 19 | 18 |
| 6 | 18 | 3 | 15 |
| 11 | 3 | 21 | ? |

A. 55

B. 67

C. 81

D. 97

Directions (39-40): Study the information carefully and answer the question given below.

Eight persons sitting in a circular table, some are facing center while some facing outside the center. D sits third to the left G. Only two persons sit between F and H. C sits second to the left of the A who sits third to the left of B. C is not an immediate neighbour of G. E sits second to the right of H but not immediate neighbour of F. H face outside. F is second to the left of G. B is not immediate neighbor of E. D and F face opposite direction to each other. D faces same direction as G. A and C face inside. Immediate neighbor of G face opposite direction to each other. F does not face inside.

39. Three of the following four are alike in certain way from a group. Find the one that does not belong to that group?

A. A

B. D

C. C

D. E

40. If A and B interchange their positions, then who sits second to the left of A?

A. C

B. F

C. E

D. D

| | Space for Rough Work |
|---|----------------------|
| | |
| , | |
| | |
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| | |

Section—C (Scholar's Zone)

| 41. | In HTML, a color can be specified using a | 46. | A referential integrity in MS-Access: | | | |
|-----|---|---------|--|---|------------------------------|---|
| | hexadecimal value in the form of: A. #000000 B. #0 - #255 C. #RRGGBB D. None of these | | A. | | if that | the foreign key field value does not exist ne parent table. |
| 42. | The universal gate that can be used to implement any boolean expression is A. NAND B. EXOR | | В. С. | of child table if the primary key do not enter a va | that va of the llue in | the foreign key field |
| | C. OR D. AND | | | in the primary ke | | value does not exist he child table. |
| 43. | What happens when we format a floppy disk? A. Identification information is written on all | | D. | All of these | | |
| | tracks and sectors. B. The system area is deleted. | 47. | 47. Which one of the following extends a private network across public networks? | | | |
| | C. Data is written. | | A. | Local Area Netv | vork | |
| | D. Data is arranged on the disk in a contiguous | | B. | | | |
| | fashion. | | | Enterprise Priva | | work |
| 44. | If a 3-input NOR gate has eight input possibilities, | | D. | Storage Area Ne | twork | |
| | then how many of those possibilities will result in a high output? | 48. | | nich of the follow er property to blu | | ments is used by the nages? |
| | A. 1 B. 2 | | A. | opaque() | B. | scatter() |
| | C. 7 D. 8 | | C. | scatter | D. | All of these |
| 45. | For the gate in the given picture, the output will | 49. | Jun | ık e-mail is also c | alled _ | |
| | be | | A. | spam | B. | spoof |
| | A———— | | C. | sniffer script | D. | spool |
| | | 50. | Wł | nat are the two exa | amples | of freeware? |
| | A. 0 B. 1 | | A. | WinZip and Lin | ux | |
| | _ | | B. | Shareware and f | ile sha | ring |
| | C. A D. A | | C. | Microsoft Word | and th | e Google toolbar |
| | | | D. | Instant messagir | ng and | the Google toolbar |
| 10 | Space for Ro | ough Wo | ork – | 8 | | |
| | | 8 | | | in a second | |
| V | | | | | | |
| V | | | | | | |
| - | | | | | | |
| | | | | | | |
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