

(A)

**PUBLIC WORKS DEPARTMENT**

**WRITTEN EXAMINATION FOR THE  
POST OF JUNIOR ENGINEER (CIVIL)  
UNDER PWD  
2020**

**PAPER II**

**BASIC COMPUTER  
KNOWLEDGE,  
SIMPLE ARITHMETIC,  
GENERAL INTELLIGENCE &  
REASONING  
(200 MARKS)**

Signature of Invigilator \_\_\_\_\_

**CODE NO.**

*(For Official use)*

<b>MARKS TABULATION</b>			
<b>Subject</b>	<b>Marks carried by each question</b>	<b>No. of correct answers</b>	<b>Marks</b>
<b>Basic Computer Knowledge</b>	<b>2</b>		
<b>Simple Arithmetic</b>	<b>2</b>		
<b>General Intelligence &amp; Reasoning</b>	<b>2</b>		

Signature of Examiner \_\_\_\_\_

Signature of Scrutiniser \_\_\_\_\_

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**PUBLIC WORKS DEPARTMENT  
EXAMINATION FOR RECRUITMENT TO THE POST OF  
JUNIOR ENGINEER(CIVIL) 2020**

**PAPER – II**

**Time allowed: 3 Hours**

**Full Mark: 200**

*(Attempt all questions. Each question carries 2 marks)*  
**Put a tick (✓) mark against the correct answer in the bracket ( )**

**SECTION- A (100 Marks)**

**(BASIC COMPUTER KNOWELDGE)**

1. Who is the father of Computer?  
(a) Alan Turing ( ) (b) Charles Babbage ( )  
(c) Simur Cray ( ) (d) Augusta Adaming ( )
2. The binary system uses powers of  
(a) 2 ( ) (b) 10 ( )  
(c) 8 ( ) (d) 16 ( )
3. The output quality of a printer is measured by:  
(a) Dots per unit ( ) (b) Dots per sq. inch ( )  
(c) Dots per inch ( ) (d) All of these ( )
4. Computer memory consists of  
(a) RAM ( ) (b) ROM ( )  
(c) PROM ( ) (d) All of the above ( )
5. An area of a computer that temporarily holds data waiting to be process is –  
(a) Storage ( ) (b) CPU ( )  
(c) File ( ) (d) Memory ( )
6. The full form of URL is  
(a) Uniform Resource Link ( ) (c) Uniform Resource Locator ( )  
(b) Uniform Registered Link ( ) (d) Unified Resource Link ( )
7. Where are saved files stored in computer ?  
(a) RAM ( ) (b) Hard Disk ( )  
(c) Cache ( ) (d) None of above ( )

8. Computers process data into information by working exclusively with –
- |             |     |                |     |
|-------------|-----|----------------|-----|
| (a) numbers | ( ) | (b) multimedia | ( ) |
| (c) words   | ( ) | (d) characters | ( ) |
9. Which is not the basic function of a computer?
- |                  |     |                  |     |
|------------------|-----|------------------|-----|
| (a) Store data   | ( ) | (b) Accept input | ( ) |
| (c) Process data | ( ) | (d) Copy text    | ( ) |
10. Which of the following is not a web browser ?
- |                   |     |                       |     |
|-------------------|-----|-----------------------|-----|
| (a) Firefox       | ( ) | (b) Bittorrent        | ( ) |
| (c) Google Chrome | ( ) | (d) Internet Explorer | ( ) |
11. What should be the first step during operating system updating ?
- |                                 |     |                                  |     |
|---------------------------------|-----|----------------------------------|-----|
| (a) Backup critical data        | ( ) | (c) Back up old operating system | ( ) |
| (b) Delete old operating system | ( ) | (d) Format hard disc             | ( ) |
12. A Microsoft Windows is a/an \_\_\_\_\_.
- |                     |     |                      |     |
|---------------------|-----|----------------------|-----|
| (a) Graphic Program | ( ) | (b) Database Program | ( ) |
| (c) Word Processing | ( ) | (d) Operating System | ( ) |
13. A computer user should be careful against\_\_\_\_\_
- |              |     |                      |     |
|--------------|-----|----------------------|-----|
| (a) Worms    | ( ) | (b) Trojans          | ( ) |
| (c) Malwares | ( ) | (d) All of the above | ( ) |
14. Which of the following is the latest version of Microsoft Windows ?
- |                |     |                |     |
|----------------|-----|----------------|-----|
| (a) Windows 9  | ( ) | (b) Windows 8  | ( ) |
| (c) Windows 20 | ( ) | (d) Windows 10 | ( ) |
15. In Windows, the Start button is used to –
- |                         |     |                     |     |
|-------------------------|-----|---------------------|-----|
| (a) run applications    | ( ) | (b) device settings | ( ) |
| (c) turn off the system | ( ) | (d) All of these    | ( ) |
16. Which of the following operating system reads and reacts in actual time?
- |                             |     |                           |     |
|-----------------------------|-----|---------------------------|-----|
| (a) Real Time System        | ( ) | (c) Quick Response System | ( ) |
| (b) Batch Processing System | ( ) | (d) Time Sharing System   | ( ) |
17. Which of the following is not a correct format for an email address ?
- |                                    |     |                               |     |
|------------------------------------|-----|-------------------------------|-----|
| (a) <u>mail@pwd.mizoram.gov.in</u> | ( ) | (c) <u>pwd@mizoram.gov.in</u> | ( ) |
| (b) mail.pwd.mizoram.gov.in        | ( ) | (d) None of these             | ( ) |

18. Underlined text, such as text and folder names is referred to as –
- |           |     |                  |     |
|-----------|-----|------------------|-----|
| (a) Menu  | ( ) | (b) Hyperlink    | ( ) |
| (c) Spool | ( ) | (d) Source drive | ( ) |
19. Which of the following storage medium offers the fastest read/write time ?
- |                       |     |                           |     |
|-----------------------|-----|---------------------------|-----|
| (a) Solid state disks | ( ) | (b) Magnetic hard disks   | ( ) |
| (c) Optical disks     | ( ) | (d) Magnetic tape storage | ( ) |
20. In Microsoft word, pressing Home key will\_\_\_\_\_
- |  |     |
|--|-----|
| (a) Move the cursor beginning of the document  | ( ) |
| (b) Move the cursor beginning of the paragraph | ( ) |
| (c) Move the cursor beginning of the screen    | ( ) |
| (d) Move the cursor beginning of the line      | ( ) |
21. Which view option in Microsoft Word will let you see how text and graphics will appear on the printed page
- |             |     |                  |     |
|-------------|-----|------------------|-----|
| (a) Normal  | ( ) | (b) Print layout | ( ) |
| (c) Outline | ( ) | (d) Web layout   | ( ) |
22. Which is used for adding colour, grays or patterns to lines or paragraphs to emphasize text in MS Word?
- |             |     |                  |     |
|-------------|-----|------------------|-----|
| (a) Border  | ( ) | (b) Highlighting | ( ) |
| (c) Shading | ( ) | (d) Selecting    | ( ) |
23. When cutting and pasting, cutting section is temporarily stored in
- |                |     |               |     |
|----------------|-----|---------------|-----|
| (a) Dashboard  | ( ) | (b) Clipboard | ( ) |
| (c) Hard drive | ( ) | (d) Diskette  | ( ) |
24. What is a cookie ?
- |                               |     |                    |     |
|-------------------------------|-----|--------------------|-----|
| (a) Hecker File               | ( ) | (b) Customary File | ( ) |
| (c) Internet Information File | ( ) | (d) None of these  | ( ) |
25. The delete key deletes characters to the \_\_\_\_\_ of the insertion point?
- |           |     |           |     |
|-----------|-----|-----------|-----|
| (a) Left  | ( ) | (b) Right | ( ) |
| (c) Above | ( ) | (d) None  | ( ) |
26. Single, double or thick dotted lines that appear around words or paragraphs is –
- |              |     |             |     |
|--------------|-----|-------------|-----|
| (a) Text box | ( ) | (b) Border  | ( ) |
| (c) Drawing  | ( ) | (d) Toolbar | ( ) |

27. WAN stands for
- |                        |     |                           |     |
|------------------------|-----|---------------------------|-----|
| (a) Wide Area Network  | ( ) | (c) Wireless Area Network | ( ) |
| (b) World Area Network | ( ) | (d) None of these         | ( ) |
28. An Excel workbook is a collection of –
- |             |     |                           |     |
|-------------|-----|---------------------------|-----|
| (a) Diagram | ( ) | (b) Worksheets            | ( ) |
| (c) Charts  | ( ) | (d) Charts and worksheets | ( ) |
29. One MB is equal to ?
- |                |     |                   |     |
|----------------|-----|-------------------|-----|
| (a) 1024 kb    | ( ) | (b) 1000 kb       | ( ) |
| (c) 1024 bytes | ( ) | (d) None of these | ( ) |
30. Which one is the largest space ?
- |              |     |                   |     |
|--------------|-----|-------------------|-----|
| (a) Petabyte | ( ) | (b) Gigabyte      | ( ) |
| (c) Terabyte | ( ) | (d) None of these | ( ) |
31. What term describes explanatory text attached to a cell in spreadsheet?
- |             |     |             |     |
|-------------|-----|-------------|-----|
| (a) Context | ( ) | (b) Callout | ( ) |
| (c) Comment | ( ) | (d) Dialog  | ( ) |
32. If you press \_\_\_\_\_, the cell accepts your typing as its content in a spreadsheet.
- |           |     |                |     |
|-----------|-----|----------------|-----|
| (a) Enter | ( ) | (b) Ctrl+Enter | ( ) |
| (c) TAB   | ( ) | (d) Insert     | ( ) |
33. A computer virus cannot be contracted from--
- |                      |     |                     |     |
|----------------------|-----|---------------------|-----|
| (a) Computer scanner | ( ) | (b) Floppy diskette | ( ) |
| (c) Both (a)&(b)     | ( ) | (d) None of these   | ( ) |
34. Who is the founding father of Google Search Engine ?
- |                                |     |                               |     |
|--------------------------------|-----|-------------------------------|-----|
| (a) Larry Page and Sergey Brin | ( ) | (c) Steve Jobs and Bill Gates | ( ) |
| (b) Jerry Young and David      | ( ) | (d) None of these             | ( ) |
35. The reference B7:C9 in a spreadsheet indicates:
- |                         |     |                             |     |
|-------------------------|-----|-----------------------------|-----|
| (a) Cell B7 and Cell C9 | ( ) | (c) Cell B8 to Cell C8      | ( ) |
| (b) Cell B7 to Cell C9  | ( ) | (d) Cell B7 but not Cell C9 | ( ) |
36. Which of the following does not exist in a slide layout in PowerPoint?
- |            |     |               |     |
|------------|-----|---------------|-----|
| (a) Titles | ( ) | (b) Lists     | ( ) |
| (c) Charts | ( ) | (d) Animation | ( ) |
37. What is the difference between the Internet and Intranet ?
- |   |  |
|---|--|
| (a) One is public the other is private( ) | (c) One can be monitored, the other can't( ) |
| (b) One is safer than the other ( )       | (d) None of the above ( )                    |

38. A new presentation can be created from --
- |                        |     |                           |     |
|------------------------|-----|---------------------------|-----|
| (a) Blank presentation | ( ) | (c) Existing presentation | ( ) |
| (b) Design Template    | ( ) | (d) All of these          | ( ) |
39. Which command will you use in PowerPoint if you need to change the colour of different objects without changing contents?
- |                     |     |                   |     |
|---------------------|-----|-------------------|-----|
| (a) Design Template | ( ) | (c) Font Colour   | ( ) |
| (b) Colour Scheme   | ( ) | (d) Object Colour | ( ) |
40. Which of the following devices can be used to convert scanned document into text document
- |          |     |         |     |
|----------|-----|---------|-----|
| (a) OCR  | ( ) | (b) OFC | ( ) |
| (c) MICR | ( ) | (d) LAN | ( ) |
41. To work on internet, the computer has to be connected to an --
- |                               |     |                        |     |
|-------------------------------|-----|------------------------|-----|
| (a) Internet society          | ( ) | (c) Internet community | ( ) |
| (b) Internet service provider | ( ) | (d) None of these      | ( ) |
42. Which of the following is not a type of computer network?
- |                           |     |                               |     |
|---------------------------|-----|-------------------------------|-----|
| (a) Local Area Network    | ( ) | (c) Remote Area Network       | ( ) |
| (b) Personal Area Network | ( ) | (d) Metropolitan Area Network | ( ) |
43. Which of the following is not a type of cyber crime ?
- |                |     |   |     |
|----------------|-----|---|-----|
| (a) Data theft | ( ) | (c) Damage to data and systems          | ( ) |
| (b) Forgery    | ( ) | (d) Installing antivirus for protection | ( ) |
44. Which protocol is used for file transfer in the internet?
- |          |     |          |     |
|----------|-----|----------|-----|
| (a) TCP  | ( ) | (b) SMTP | ( ) |
| (c) HTTP | ( ) | (d) FTP  | ( ) |
45. There are many application software packages available at present. Which of the following is an application software package ?
- |                  |     |                     |     |
|------------------|-----|---------------------|-----|
| (a) Redhat Linux | ( ) | (b) Adobe Photoshop | ( ) |
| (c) Open File    | ( ) | (d) Both (b)&(c)    | ( ) |
46. Bluetooth is the wireless technology for --
- |                           |     |                        |     |
|---------------------------|-----|------------------------|-----|
| (a) Personal Area Network | ( ) | (c) Local Area Network | ( ) |
| (b) Wide Area Network     | ( ) | (d) None of these      | ( ) |
47. A \_\_\_\_\_ is a personal journal posted on the web for access by the public
- |           |     |                     |     |
|-----------|-----|---------------------|-----|
| (a) Blog  | ( ) | (c) Chat            | ( ) |
| (b) Email | ( ) | (d) Instant message | ( ) |

48. The domain name in an e-mail address silverspoon@gmail.com is \_\_\_\_\_.
- |            |     |                 |     |
|------------|-----|-----------------|-----|
| (a) gmail  | ( ) | (b) gmail.com   | ( ) |
| (c) silver | ( ) | (d) silverspoon | ( ) |
49. When shopping online or sharing sensitive information on the internet, it is always advisable to \_\_\_\_\_
- |  |     |
|--|-----|
| (a) Look for sites with that starts with 'https' | ( ) |
| (b) Ensure that the items on the site are cheap  | ( ) |
| (c) The site is shared widely in whatsapp group  | ( ) |
| (d) None of these                                | ( ) |
50. What does '.com' in a web address mean?
- |                   |     |             |     |
|-------------------|-----|-------------|-----|
| (a) Communication | ( ) | (b) Command | ( ) |
| (c) Commercial    | ( ) | (d) Company | ( ) |

**SECTION- B (60 Marks)**

**(SIMPLE ARITHMETIC)**

51. Three numbers are in the ratio 1 : 2 : 3 and the HCF is 12. Find the numbers.
- |                |     |                |     |
|----------------|-----|----------------|-----|
| (a) 12, 24, 36 | ( ) | (b) 11, 12, 33 | ( ) |
| (c) 2, 4, 6    | ( ) | (d) 5, 10, 15  | ( ) |
52. Which one of the following is a prime number ?.
- |        |     |        |     |
|--------|-----|--------|-----|
| (a) 33 | ( ) | (b) 81 | ( ) |
| (c) 93 | ( ) | (d) 97 | ( ) |
53. One-fifth of all the flowers in a garden are dahlias, three-seventh are tuberose and the rest are all roses. If there are 182 roes in the garden, find the number of dahlias in the garden.
- |         |     |         |     |
|---------|-----|---------|-----|
| (a) 258 | ( ) | (b) 210 | ( ) |
| (c) 98  | ( ) | (d) 76  | ( ) |
54. A man has Rs.480 in the denominations of one-rupee notes, five-rupee notes and ten-rupee notes. The number of notes of each denomination is equal. What is the total number of notes that he has ?
- |        |     |        |     |
|--------|-----|--------|-----|
| (a) 45 | ( ) | (b) 60 | ( ) |
| (c) 75 | ( ) | (d) 90 | ( ) |

55. Simplify:  $(1 - 1/2)(1 - 1/3)(1 - 1/4) \dots (1 - 1/100)$   
 (a) 0 ( ) (b) 0.01 ( )  
 (c) 0.001 ( ) (d) 1 ( )
56. In a regular week, there are 5 working days and for each day, the working hours are 8. A man gets Rs.2.40 per hour for regular work and Rs.3.20 per hour for each overtime. If he earns Rs.432 in 4 weeks, then how many hours does he work for ?  
 (a) 160 ( ) (b) 175 ( )  
 (c) 180 ( ) (d) 195 ( )
57. The square root of 64009 is \_\_  
 (a) 253 ( ) (b) 347 ( )  
 (c) 363 ( ) (d) 803 ( )
58. The average of the first five multiples of 9 is:  
 (a) 20 ( ) (b) 27 ( )  
 (c) 28 ( ) (d) 30 ( )
59. The speed of a car going from Aizawl to Lunglei is 40 km/h. When coming back from Lunglei to Aizawl, its speed is 60 km/h. What is the average speed of the journey?  
 (a) 48 km/h ( ) (b) 49 km/h ( )  
 (c) 50 km/h ( ) (d) 51 km/hr ( )
60. On selling 17 balls at Rs.720, there is a loss equal to the cost price of 5 balls. The cost price of a ball is \_\_  
 (a) Rs. 45 ( ) (b) Rs. 50 ( )  
 (c) Rs. 55 ( ) (d) Rs.60 ( )
61. A company raised the price of their products by 40%. How much discount should they give so as to sell the products on no profit no loss basis?  
 (a) 40% ( ) (b) 36 % ( )  
 (c) 28.5 % ( ) (d) 22.5% ( )
62. Two students appeared at an examination. One of them secured 9 marks more than the other and his marks was 56% of the sum of their marks. The marks obtained by them are:  
 (a) 42 and 51 ( ) (b) 43 and 52 ( )  
 (c) 43 and 34 ( ) (d) 42 and 33 ( )
63. If 20% of  $a = b$ , then  $b\%$  of 20 is the same as \_\_  
 (a) 4% of  $a$  ( ) (b) 5% of  $a$  ( )  
 (c) 20% of  $a$  ( ) (d) None of these ( )



64. A, B and C jointly thought of engaging themselves in a business venture. It was agreed that A would invest Rs.6,500 for 6 months, B Rs.8,400 for 5 months and C Rs.10,000 for 3 months. A wants to be the working member for which, he was to receive 5% of the profit. The profit earned was Rs.7,400. Calculate the share of B in the profit
- (a) Rs.1,900 ( ) (b) Rs.2,660 ( )  
(c) Rs.2,800 ( ) (d) Rs.2,840 ( )
65. 39 persons can repair a road in 12 days working 5 hours a day. In how many days will 30 persons working 6 hours a day complete the work?
- (a) 10 days ( ) (b) 13 days ( )  
(c) 14 days ( ) (d) 15 days ( )
66. If one-third of A = one-fourth of B = one-fifth of C, then find A : B : C.
- (A) 1 : 2 : 3 ( ) (b) 2 : 3 : 4 ( )  
(c) 3 : 4 : 5 ( ) (d) 4 : 5 : 6 ( )
67. Excluding stoppages, the speed of a bus is 54 km/hr and including stoppages, it is 45 km/hr. For how many minutes does the bus stop per hour ?
- (a) 9 ( ) (b) 10 ( )  
(c) 12 ( ) (d) 20 ( )
68. Siama bought pet food worth Rs. 56000. He then sold  $\frac{1}{3}$ <sup>rd</sup> of it, incurring a loss of 40%. What profit must he earn on the rest of the supplies to nullify this loss?
- (a) 25% ( ) (b) 20% ( )  
(c) 45% ( ) (d) 50% ( )
69. Kima took a loan of Rs. 1,200 with simple interest for as many years as the rate of interest. If she paid Rs.432 as interest at the end of the loan period, what was the rate of interest ?
- (a) 6 % ( ) (b) 8% ( )  
(c) 11% ( ) (d) 23% ( )
70. There is 60% increase in an amount in 6 years at simple interest. What will be the compound interest of Rs.12,000 after 3 years at the same rate ?
- (a) Rs. 2,160 ( ) (b) Rs. 3,120 ( )  
(c) Rs. 3,972 ( ) (d) Rs. 6,240 ( )
71. 54 toymakers can prepare 36 toys per day. Mawia wants 416 toys. How many toymakers should he employ to get the job done in 16 days?
- (a) 43 ( ) (b) 39 ( )  
(c) 16 ( ) (d) 24 ( )

72. If a tank can be build by 18 men in 28 days while working for 9 hours per day, how many hours per day do 21 men have to work for 36 days, to complete the same tank?  
 (a) 4 hours ( ) (b) 7 hours ( )  
 (c) 5 hours ( ) (d) 6 hours ( )
73. The length of a bridge, which a train 130 metres long and travelling at a speed of 45 km/hr can cross in 30 seconds is \_\_?  
 (a) 200 m ( ) (b) 225 m ( )  
 (c) 245 m ( ) (d) 250 m ( )
74. A man covers a distance at a speed of 24 km/hr in 6 minutes. If he wants to cover the same distance in 8 minute, what should be his speed?  
 (a) 15 km/hr ( ) (b) 17 km/hr ( )  
 (c) 18 km/hr ( ) (d) 21 km/hr ( )
75. The sum of ages of 5 children born at an interval of 3 yrs each is 50 years. What is the age of the youngest child ?  
 (a) 4 years ( ) (b) 8 years ( )  
 (c) 10 years ( ) (d) None of these ( )
76. A rectangular park 60 m long and 40 m wide has two concrete crossroads running in the middle of the park and rest of the park has been used as a lawn. If the area of the lawn is 2109 sq.m, then what is the width of the road ?  
 (a) 2.91 m ( ) (b) 3.00 m ( )  
 (c) 5.32 m ( ) (d) None of these ( )
77. Find the amount of Rs. 12,000 after 2 years, compounded annually, the rate of interest being 5% p.a. during the first year and 6% p.a. during the second year.  
 (a) Rs. 13,356 ( ) (b) Rs. 12,758 ( )  
 (c) Rs. 13,000 ( ) (d) Rs. 13,195 ( )
78. The longer side of a rectangular hall is 24 m, and the length of its diagonal is 26 m. Find the area of the hall.  
 (a) 210 m<sup>2</sup> ( ) (b) 225 m<sup>2</sup> ( )  
 (c) 240 m<sup>2</sup> ( ) (d) 254 m<sup>2</sup> ( )
79. How many bricks will be required to construct a wall 13.5 m long, 6 m high and 22.5 cm thick if each brick measures (27 cm × 12.5 cm × 9 cm)?  
 (a) 5000 ( ) (b) 6000 ( )  
 (c) 5500 ( ) (d) 6500 ( )

80. From a point P on a level ground, the angle of elevation of the top tower is  $30^\circ$ . If the tower is 100 m high, the distance of point P from the foot of the tower is \_\_\_?
- (a) 149 ( ) (b) 156 ( )  
 (c) 173 ( ) (d) 200 ( )

**SECTION - C (40 Marks)**

**(GENERAL INTELLIGENCE AND REASONING)**

81. Pointing to a man, a lady said, "His mother is the only daughter of my mother". How is the lady related to the man ?
- (a) Mother ( ) (b) Sister ( )  
 (c) Daughter ( ) (d) Aunt ( )
82. Look at the series: 53, 53, 40, 40, 27, 27,..... What number should come next ?
- (a) 12 ( ) (b) 14 ( )  
 (c) 27 ( ) (d) 53 ( )
83. Look carefully for the pattern and then choose which pair of numbers comes next  
 8 12 9 13 10 14 11
- (a) 14 11 ( ) (b) 15 12 ( )  
 (c) 8 15 ( ) (d) 15 19 ( )
84. The Mathematics Department needs to appoint a new chairperson which will be based on seniority. Ms.Kimi has less seniority than Mr.Thanga, but more than Ms. Biaki. Mr. Rina has more seniority than Ms. Kimi, but less than Mr.Thanga. Mr. Thanga does not want the job. Who will be the new mathematics department chairperson ?
- (a) Mr. Rina ( ) (b) Mr. Thanga ( )  
 (c) Ms. Kimi ( ) (d) Ms.Biaki ( )

*Choose the odd one out from the given alternatives.*

85. (a) Shimla ( ) (b) Ooty ( )  
 (c) Agra ( ) (d) Darjeeling ( )
86. (a) 144 ( ) (b) 169 ( )  
 (c) 196 ( ) (d) 210 ( )

87. (a) Death : Disease ( ) (b) Milk : Butter ( )  
 (c) Grape : Wine ( ) (d) Water : Oxygen ( )
88. Name a single letter that can be suffixed to the following words to form new words?  
 HAT BAR BAT PIN BATH  
 (a) A ( ) (b) E ( )  
 (c) I ( ) (d) U ( )
89. Fill up the blank in the series below with the correct option  
 CMM, EOO, GQQ,\_\_\_\_, KUU  
 (a) GRR ( ) (b) GSS ( )  
 (c) ISS ( ) (d) ITT ( )
90. When we arrange the letters of the word 'ALNWGT' in correct order, we get the name of a river in Mizoram. Fifth letter from the left in that name is –  
 (a) A ( ) (b) N ( )  
 (c) T ( ) (d) W ( )
91. If 'GLOSSORY' is coded as '97533562' and 'GEOGRAPHY' is coded as '915968402', then 'GEOLOGY' can be coded as:  
 (a) 9156921 ( ) (b) 9157592 ( )  
 (c) 9057592 ( ) (d) 9157591 ( )
92. Which word does NOT belong to the others ?  
 (a) inch ( ) (b) ounce ( )  
 (c) centimeter ( ) (d) yard ( )
93. In a class of 45 students, a boy is ranked 20<sup>th</sup>. When two boys joined, his rank is dropped by one. What is his new rank counted from the end?  
 (a) 25<sup>th</sup> ( ) (b) 26<sup>th</sup> ( )  
 (c) 27<sup>th</sup> ( ) (d) 28<sup>th</sup> ( )
94. Mr. X started to walk straight towards south in the morning. After walking 50 metres, he turned to the left and walked 30 metres. After that, he turned to the right and walked another 50 metres. To which direction Mr. X is facing now ?  
 (a) North-east ( ) (b) South-west ( )  
 (c) South ( ) (d) North ( )
95. If + means  $\div$ ,  $\div$  means  $-$ ,  $-$  means  $\times$  and  $\times$  means  $+$ , then the value of :  
 $12 + 3 \div 1 - 5 \times 2$  is  
 (a) 5 ( ) (b)  $-3$  ( )  
 (c) 1 ( ) (d)  $-1$  ( )

96. One evening just before sunset, Zaii and Siami were talking to each other face to face. If Zaii's shadow was exactly to his left side, then which direction was Siami facing?

- (a) North ( ) (b) East ( )  
 (c) West ( ) (d) South ( )

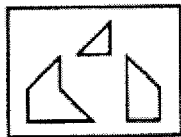
97. Pi Tlani walks 5 kms towards east and then turns left and walks 6 kms. Again, she turns right and walks 9 kms. Finally, she turns to her right and walks another 6 kms. How far is she from the starting point ?

- (a) 26 kms ( ) (b) 21 kms ( )  
 (c) 14 kms ( ) (d) 9 kms ( )

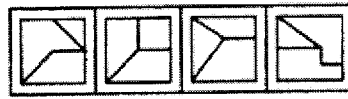
98. Six friends A, B, C, D, E and F are sitting in a row facing towards north. C is sitting between A and E. D is not at the end. B is sitting at immediate right of E. F is not at the right end but D is sitting at 3<sup>rd</sup> left of E. Which of the following is sitting to the left of D?

- (a) C ( ) (b) F ( )  
 (c) E ( ) (d) A ( )

99. Find out which of the figures (1) (2), (3) and (4) can be formed from the given pieces in figure (X).



(X)



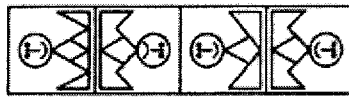
(1) (2) (3) (4)

- (a) (1) ( ) (b) (2) ( )  
 (c) (3) ( ) (d) (4) ( )

100. Find out how will the key in figure (X) look like after rotation.



(X)



(1) (2) (3) (4)

- (a) (1) ( ) (b) (2) ( )  
 (c) (3) ( ) (d) (4) ( )