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Maximum: 100 marks

Time: 1 hour and 30 minutes

| l. ' | In which t | riangle all the three angles are les | ss than 90° | and unequal: |
|------|-----------------------|---|----------------------------|---|
| | (A) | Equilateral triangle | (B) | Acute angled triangle |
| | (C) | Right angled triangle | (D) | Scalene triangle |
| 2. | A quadril known as | | qual and pa | arallel and opposite angles are equal is |
| 1 | (A) | Rectangle | (B) | Trapezoid |
| | (C) | Rhomboid | (D) | Rhombus |
| 3. | Continuo | us thin lines are used as : | | |
| | (A) | Dimension line | (B) | Cutting plane |
| | (C) | Outline of adjacent part | (D) | Line of symmetry |
| 4. | Which on | e of the following statement is not | correct in | the case of aligned system? |
| | (A) | Dimension value placed perpend | | |
| | (B) | Dimension can be read only from | | |
| | (C) | sheet | | edge or right hand edge of the drawing |
| | (D) | Dimension should be placed nea | ar the midd | lle and above but clear of the dimension |
| 5. | A regular | pentagon having an angle of: | | |
| | EN (A) | F ₉₀ -OR CIVIL ENG | (B) | C540° PEIIIIVE EXAMS |
| | (C) | 180° | (D) | 108°2 |
| 6. | A plane i | figure bound by a curve, formed t a fixed distance from a stationer | by the Loc y point is o | cus of a point which moves so that, it is called: |
| | (A) | Cycloid | (B) | Ellipse |
| | (C) | Circle | (D) | Involute |
| A | | | 3 | [P.T.O.] |

| Which sc | Which scale is suitable to convert Fahrenheit into Celcius? | | | | |
|------------|---|---|--|--|--|
| (A) | Comparative scale | (B) | Diagonal scale | | |
| (C) | Vernier scale | (D) | Retrograde vernier | | |
| Line AB a | 30° incline to HP and parallel statement is correct? | to VP. If the li | ine is at first quadrant which one of th | | |
| (A) | Elevation will be of actual le | ength 30° inclin | ned and below XY line | | |
| (B) | Elevation will be shorter tha | n actual lengt | h and above XY line | | |
| (C) | Elevation will be shorter tha | n actual lengtl | h 30° inclined and below XY line | | |
| (D) | Elevation will be of actual le | ngth 30° inclin | ned and above XY line | | |
| The lengt | h of a line in an isometric proj | ection will be : | | | |
| (A) | Equal to the actual length of | the line | | | |
| (B) | 0.82 times the act <mark>ual length</mark> | of the line | | | |
| (C) | 1.82 times the act <mark>ual length</mark> | of the line | | | |
| (D) | None of these | | | | |
| When a co | one is cut inclined to the axis c | r base is called | 1? | | |
| (A) | Frustum of cone | (B) | Frustum of pyramid | | |
| (C) | Truncated cone | (D) | Truncated pyramid | | |
| | | | | | |
| | | | | | |
| | | | 66 | | |
| (C) | 33 | (D) | 100 | | |
| 1 Hectare | is equal to : | | DAADETITIVE EYAAAC | | |
| (A) | 10000 sq.m | (B) | 1000 sq.m | | |
| (C) | 4047 sq.m | $=$ $2_{(D)}$ | 404.7 sq.m | | |
| For a high | est precision work the baselin | e measuremen | t is done with : | | |
| (A) | Metric chain | | Steel tape | | |
| | | | | | |
| (C) | Invar tape | (D) | Metallic tape | | |
| | (A) (C) Line AB 3 following (A) (B) (C) (D) The lengt (A) (B) (C) (D) When a cc (A) (C) How many (A) (C) 1 Hectare (A) (C) For a high | (A) Comparative scale (C) Vernier scale Line AB 30° incline to HP and parallel following statement is correct? (A) Elevation will be of actual left (B) Elevation will be shorter that (C) Elevation will be shorter that (D) Elevation will be of actual left (D) Elevation will be of actual left (A) Equal to the actual length of (B) 0.82 times the actual length (C) 1.82 times the actual length (D) None of these When a cone is cut inclined to the axis of (A) Frustum of cone (C) Truncated cone How many links are in a Gunter's chain (A) 16 (C) 33 1 Hectare is equal to: (A) 10000 sq.m (C) 4047 sq.m | (A) Comparative scale (B) (C) Vernier scale (D) Line AB 30° incline to HP and parallel to VP. If the lifellowing statement is correct? (A) Elevation will be of actual length 30° incling (B) Elevation will be shorter than actual length (C) Elevation will be shorter than actual length (D) Elevation will be of actual length 30° incling (D) Elevation will be of actual length 30° incling (D) Elevation will be of actual length of the line (B) 0.82 times the actual length of the line (C) 1.82 times the actual length of the line (D) None of these When a cone is cut inclined to the axis or base is called (A) Frustum of cone (B) (C) Truncated cone (D) How many links are in a Gunter's chain? (A) 16 (B) (C) 33 (D) 1 Hectare is equal to: (A) 10000 sq.m (B) (C) 4047 sq.m (B) | | |

| 14. | What bhot | nd be the limit of overall length of | i 30 m chai | |
|-----|-------------|--------------------------------------|--------------|---------------------------------------|
| | (A) | ± 5 mm | (B) | ± 8 mm |
| | (C) | ± 4 mm | (D) | ± 6 mm |
| 15. | For the fle | exibility of chain : | | |
| | (A) | Links are made up with mild ste | ol wire of | (mm |
| | (B) | Handles are provided at the end | | |
| | (C) | Links are connected together by | | |
| | (D) | None of these | means of t | ince circular rings |
| | (15) | Notice of these | | |
| 16. | Line rang | er is used when: | | |
| | (A) | The line is short | (B) | The ends of line are not intervisible |
| • | (C) | There is obstruction | (D) | The line is too long |
| 1.5 | m ı | | | |
| 17. | | al measurement taken at right an | - 1 | |
| | (A) | Perpendicular offset | (B) | Tie line |
| | (C) | Check line | (D) | Oblique offset |
| 18. | Survey w | ork is recorded by measurements | and sketch | es in : |
| | (A) | Field notes | (B) | Survey book |
| | (C) | Field book | (D) | All of the above |
| | | | | |
| 19. | Which on | e of the following is an example of | vision obst | cructed and chaining free type? |
| | (A) | Building | (<u>B</u>) | Rising ground |
| | (C) | Pond | (D) | River |
| 90 | mA LTD | of sloping ground in chain survey | ving is take | nwith #DETITIVE EVALAC |
| 20. | | Clinometer | (B) | Abney level |
| | (A) | | (D) | All of the above |
| 1 | (C) | Theodolite | (D) | An of the above |
| 21. | In a trave | erse surveying the direction of line | es are meas | ured with a : |
| | (A) | Chain | (B) | Clinometer |
| | (C) | Compass | (D) | Tape |
| A | | | 5 | 097/2022 |
| А | | | | [P.T.O.] |

| 22 | 2. In Simps | on's rule the number of ordinates m | ust be : | |
|----------|---------------------------|--|----------|--|
| | (A) | Odd | (B | e) Even |
| | (C) | Both (A) and (B) | (D |) None of these |
| 23 | . The area | of figure having irregular or curved l | bounda | ries are determined by: |
| | (A) | Using Pentagraph | (B) | |
| | (C) | Trapezoidal rule | (D) | Using Planimeter |
| 24. | . Which one | of the following is required while pr | eparin | g a site plan? |
| | (A) | North direction | (B) | Main survey line |
| | (C) | Road | (D) | All of the above |
| 25. | The accura | | irvey w | ork depends upon the straightness ar |
| ٠. | (A) | Offset line | (B) | Base line |
| | (C) | Check line | (D) | Tie line |
| 26. | The level de | esignated as self aligning level : | | |
| | (A) T | Filting level | (B) | Dumpy level |
| | (C) V | Wye level | (D) | Auto level |
| 27. | The least co | unt of levelling staff is : | | |
| | (A) C | 0.0005 m | (B) | 0.005 m |
| | (C) 0 | 0.05 m | (D) | 0.5 m |
| 28. | The imagina objective is: | ary line joining the intersection of t | he cros | ss hairs and the optical centre of the |
| | (A) L | ine of collimation | (B) | Axis of telescope |
| - | (C) A | xis of sight | (D) 1 | None of these |
| 20 | 4.70 | SINCE 2 | | |
| 29. | A Bench mar | | | |
| 41 | | ference point | | |
| | | ne very first station | | |
| | | ne last station where the Survey close | es | |
| | (D) Po | oint of known elevation | | |

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| 30. | The main | function of levelling is : | | | |
|-----|------------|---------------------------------------|-----------------|--------------------------|--|
| | (A) | To prepare a plan or map | | | |
| | (B) | To determine the area | | | |
| | (C) | To determine the elevations of th | ne points | | |
| | (D) | To calculate the volume of earthy | work | | |
| | | | | | |
| 31. | Which lin | e is normal to plumb line at all poi | ints? | | |
| | (A) | Curved line | (B) | Level line | |
| | (C) | Vertical line | (D) | Horizontal line | |
| 32. | The work | Great weed live to be a least live | | 11 1 | |
| 04. | | first reading taken in a levelling of | | | Later March |
| | (A) | Back sight | (B) | Fore sight | |
| | (C) | Intermediate sight | (D) | Invert | |
| 33. | The teleso | cope of a dumpy level: | | | |
| | (A) | Can be taken out of its support a | nd reverse | d flaction of the second | The state of the s |
| | (B) | Permits interchange of eyepiece a | The Part of the | | |
| | (C) | Rigidly fixed to the levelling head | | | |
| | (D) | Can be tilted in a vertical plane | | | |
| | | | | | |
| 34. | An inverte | ed staff reading is taken when the | point is: | | |
| | (A) | having high elevation | (B) | Above the line of sight | |
| | (C) | Below the line of sight | (D) | Below the ground level | |
| C | ENTRE | EFOR CIVIL ENG | GIC | OMPETITIVE | EXAMS |
| 35. | A change | point is. | - 20 | 10 | |
| | (A) | The very first station | | 1.2 | |
| | (B) | The last station | | | |
| | (C) | The intermediate station where | FS and BS | are taken | |
| | (D) | None of these | | | |
| | | | | | |

| 36. | Which of | the following is n | ot an instrumental erro | or? | |
|-------------------|------------|---------------------|--|--------------|-------------------------------------|
| | (A) | The error due to | imperfect permanent | adju | stment |
| | (B) | Error due to slu | ggish bubble | ٠, | |
| | (C) | Error due to mo | vement of objective slic | le | |
| | (D) | Error due to set | tlement of staff | | |
| 37. | The appa | rent movement of | the image relatively to | the | cross hairs is: |
| | (A) | Parallax | | (B) | Refraction |
| | (C) | Transit | | (D) | Tilting |
| | | | | | |
| 38. | Correction | n for curvature for | r a distance of 1 km is: | | |
| | (A) | 0.0112 m | | (B) | 0.0673 m |
| | (C) | 0.0785 m | | (D) . | 0.0673 km |
| 39. | If the RL | of the BM is 100 r | n and BS is 1.7 <mark>25, F</mark> ind | l the | height of instrument at the station |
| | (A) | -98.275 | | (B) | +98.275 |
| | (C) | -101.725 | F | (D) | +101.725 |
| | | | | | |
| 40. | The bench | A Second | | | the end of a days work is: |
| - 4 · · | (A) | Arbitrary BM | | (B) | Temporary BM |
| | (C) | Permanent BM | | (D) | GTS BM |
| 41. | The imagi | nary line joining | the points of same eleva | ation | is: |
| | (A) | Horizontal line | IL ENGG. C | (B) | Isohyets VEEXAMS |
| | (C) | Contour line | NCE20 | D) | Isobars |
| | | | | | |
| 42. | Closely sp | aced contour line | indicates: | | |
| | (A) | Steep slope | (| B) | Gentle slope |
| | (C) | Plane surface | (| D) , | Vertical cliff |
| A TOMA BOAT STORY | | | | | |

| 43. | Contour li | nes look cross to each othe | r in case of ; | , | |
|-----|------------|--|------------------------------------|-----------------------|-----------------|
| | (A) | Overhanging cliff | (B) | A dam | |
| | (C) | A steep hill | (D) | A deep valley | |
| 44. | The metho | od used for interpolating co | ontour points betw | een two points ; | |
| | (14) | Rise and fall method | (B) | Double sighting met | nod |
| | (C) | Graphical method | (D) | Reiteration method | |
| 45. | Suitable c | ontour interval for Reserv | oir planning is : | | |
| | (A) | 0.2 to 0.5 m | (B) | 0.5 to 2.0 m | |
| | (C) | 1.0 to 3.0 m | (D) | 2.0 to 5.0 m | |
| | | | | | |
| 46. | The differ | rence in elevation bet <mark>ween</mark> | two successive con | tours is : | |
| | (A) | Level difference | (B) | Contour Gradient | |
| | (C) | Contour interval | (D) | Contour profile | |
| 47. | Locating | points on a given contour g | grad <mark>ie</mark> nt can be don | e by: | |
| | (A) | Clinometer | (B) | Pentagraph | |
| | (C) | Planimeter | (D) | Subtense bar | |
| 48. | Contour l | ines: | | | |
| 10. | (A) | end abruptly | (B) | cross each other | |
| | (C) | are uniformly spaced | (D) | close somewhere | |
| | ì | | | | |
| 49. | A 'T' shap | oed wooden rod used for se | tting out proper gr | adient between two p | oints: |
| | (A) | "T" square | (B) | Arrow | |
| | (C) | Boning rod | C E 2(0) | Cross pole | |
| 50. | The pres | smoidal formula for findi s are : | ng Volume of ear | th work is applicable | e only when the |
| | (A) | Even | (B) | Odd | |
| | (C) | Limited | (D) | None of these | |

| | the state of the s | | | 이 그는 그는 그는 그는 그 이 그리고 있는 그는 그들은 그는 그를 가지 않는 것이 없었다. 그리고 있는 아일에 없다고 있다. |
|------------|--|---|--------|--|
| 51 | . Size of su | rvey field book is: | | |
| | (A) | 15 × 25 cm | (Þ | 3) 12 × 20 cm |
| | (C) | 21 × 29.7 cm | (D |) 20 × 30 cm |
| 52. | Area of an | irregular shaped figure is determin | ed by | |
| | (A) | Plani meter | (B) |) Pentagraph |
| | (C) | Speedo meter | (D) |) Cross staff |
| 53. | The main | principle of survey is: | | |
| | (A) | Work from part to whole | (B) | Work from centre to sides |
| | (C) | Work from whole to part | (D) | Work from anywhere |
| 54. | Cadastral s | survey is used to : | | |
| | (A) | Prepare revenue maps of states | (B) | Find the angular measurements |
| | (C) 1 | Find the height of points in the site | (D) | Locate the features in the site |
| 55. | Length of Si | arveyor's chain is : | | |
| | (A) 1 | 1 yard | (B) | 22 yard |
| | (C) 3 | 3 yard | (D) | 50 yard |
| 56. | In Auto CAL | , the function key of GRID comman | d is : | |
| | (A) F | 9 | (B) | F8 |
| | (C) F | 7 | (D) | F10 |
| 57 | The short ke | y for remove italic format for select t | ext is | |
| | | orl + B CIVIL ENGG. | (B) | Ctrl + I |
| | (C) Ct | orl+U SINCE 2 | (D) | Ctrl + A |
| 8.] | In Auto CAD | , the command used to create a repe | ating | Pattern of the colors |
| 1.17 | | ray | | Trim |
| | | ase | | Rotate |
| | | | | |

| 59. | . In Auto CAD, the key stroke used for the function 'redo': | | | | |
|---------------|---|------------------------------------|------------------|--------------------------------------|--|
| | (A) | Ctrl + O | (B) | Ctrl + S | |
| | (C) | Ctrl + U | (D) | Ctrl + Y | |
| | | | | | |
| 60. | The Auto | CAD command which is used | to breaks a po | lyline into its individual segments: | |
| | (A) | Extend | (B) | Explode | |
| | (C) | Extrude | (D) | Break | |
| (23) | | | | | |
| (61.) | Function | key F10 is used in Auto CAD t | 0: | | |
| | (A) | Snap ON/OFF | (B) | Ortho ON/OFF | |
| | (C) | Polar tracking ON/OFF | (D) | Grid ON/OFF | |
| CO | 3371-1-1- | | | | |
| 62. | | mmand is used to exit from a d | | | |
| | (A) | Exit | (B) | Quit | |
| | (C) | Escape | (D) | Undo | |
| 63. | . Which co | mmand is used to erase a part | of an object be | tween two points? | |
| | (A) | Close | (B) | Break | |
| | (C) | Remove | (D) | Delete | |
| | (0) | 38 | (D) | Defete | |
| 64. | In a comp | uter, ROM means: | | | |
| | (A) | Read Only Memory | (B) | Random Access Memory | |
| | (C) | Random Only Memory | (D) | None of the above | |
| | | | | | |
| 65. | To draw a | line parallel to the first line, t | the command u | used in Auto CAD is : | |
| | (A) | Extend | (B) | Mirror | |
| | (C) | Trim SINC | (D) | Offset | |
| | | | | | |
| 66. | The estim | ated value of the property at th | ne end of life p | eriod without being dismantled: | |
| | (A) | Scrap value | (B) | Salvage value | |
| | (C) | Book value | (D) | Market value | |
| | W | | | | |

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| 67. | 67. The value of the property fetch down than the market value is: | | | | |
|------|--|---------------------------------------|---------------|--------------------------------|--|
| | (A) | Salvage value | (B) | Market value | |
| | (C) | Distress value | (D) | Monopoly value | |
| 68. | Painting | constant for a venetian door for bo | oth sides is | | |
| | (A) | Its surface area | (B) | 2 times its surface area | |
| | (C) | 2.25 times its surface area | (D) | 3 times its surface area | |
| 69. | To get on | e cubic metre wet cement concrete | , the total o | quantity of dry materials are: | |
| | (A) | 1.2 cubic metre | (B) | 1.54 cubic metre | |
| | (C) | 0.30 cubic metre | (D) | 2 cubic metre | |
| | | | | | |
| 70. | Unit weig | ht of cement is: | | | |
| | (A) | 1000 kg | (B) | 2000 kg | |
| | (C) | 1440 kg | (D) | 2300 kg | |
| 71. | The carpe | t area of a residential building is t | aken as : | | |
| | (A) | 50 to 65% of the plinth area | (B) | 70 to 75% of the plinth area | |
| | (C) | 25 to 50% of the plinth area | (D) | 75 to 90% of the plinth area | |
| | | | | | |
| 72. | | ity of doing work by a skilled labo | | | |
| | (A) | Efficiency | (B) | Power | |
| | (C) | Out-turn | (D) | Out put | |
| 73. | Horizonta | l circulation area of a building is t | aken as | MADETITIVE EVAMAS | |
| اغان | (A) | 5 to 10% of the plinth area | (B) | 10 to 15% of the plinth area | |
| | (C) | 20 to 30% of the plinth area | 1 1 1 1 1 1 | 50 to 60% of the plinth area | |
| | (0) | | (15) | 00 10 00// 02 12 1 | |
| 74. | The numb | er of modular bricks required for 1 | 10 m³ brick | masonry: | |
| | (A) | 500 | (B) | 1000 | |
| | (C) | 50000 | (D) | 5000 | |
| | | | | | |

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| (75). | The quantity of cement required for 100 m ³ of M15 grade cement concrete is: | | | | | |
|--------|---|--|-----------|---|--|--|
| | (A) | 660 bags | (B) | | | |
| | (C) | 1155 bags | (D) | 462 bags | | |
| | - 18v | | (D) | 402 bags | | |
| 76. | Which of | the following statement is/are correct | t about ' | Total station? | | |
| | (i) | Quick setting of the instrument on | | | | |
| | (ii) | | | B. Hence it may be easy for the surveyor | | |
| | (iii) | Greater accuracy in area computati | ion. | | | |
| | (A) | Only (i) and (ii) | | Only (i) and (iii) | | |
| | (C) | All of these above (i), (ii) and (iii) | (D) | Only (ii) and (iii) | | |
| 77. | Which of | the following statement is/are wrong | about E | DM? | | |
| | (i) | Precise measurement of distance. | | | | |
| | (ii) | Capable of measuring long distance | s. | | | |
| | (iii) | Accuracy is not affected by atmosph | eric cor | nditions. | | |
| | (A) | Only (i) | (B) | Only (ii) | | |
| | · (C) | Only (iii) | (D) | All of these above (i), (ii) and (iii) | | |
| 78. | Which of | the following statement is/are correct | about | Total station? | | |
| | (i) | The modern versions of survey total | | 생태를 하는 경우가 열려면, 모든 지, 바쁜 것이 사이라고 하는 것이 없는 사람이 하면 되었다. 그 나를 살아 난 | | |
| | (ii) | The EMD system minimizes some of the horizontal and vertical angle errors occurred normally in conventional. | | | | |
| | (iii) | [20] [20] (| | | | |
| | (A) | Only (i) and (ii) | (B) | Only (i) and (iii) | | |
| | (C) | All of these above (i), (ii) and (iii) | (D) | Only (ii) and (iii) | | |
| 79. | Which of t | he following is/are wrong statement | about p | rism in total station survey? | | |
| | (i) | (2) 마음자 H. 그리 (2) 12 12 12 12 12 12 12 12 12 12 12 12 12 | | | | |
| | (ii) | (ii) Prisms are used with electro-optical EDM instruments to reflect the transmitted signal. | | | | |
| | (iii) | Prisms have the property of reflecting | ng rays | back precisely in the same direction. | | |
| | (A) | Only (i) | (B) | Only (ii) | | |
| | (C) | Only (iii) | (D) | Only (i), (ii) | | |
| 3.7. 1 | | | 411 | | | |

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| W | | | | | | |
|-------|-----------|---|-----------|--|--|--|
| 80. | Which of | Which of the following statement is/are wrong about good practice in Total station? | | | | |
| | (i) | Never mix prism types and brands | | | | |
| | (ii) | Calibrate the instrument regularly | • | | | |
| | (iii) | Set the electronic signal precisely o | n the p | | | |
| | (A) | Only (i) and (ii) | (B) | None of the above (i), (ii) and (iii) | | |
| | (C) | Only (ii) and (iii) | (D) | All of these above (i), (ii) and (iii) | | |
| 81. | Which of | the following statement is/are correct | t about ' | Total station survey instrument? | | |
| | (i) | Total stations are dependant on bar | tteries a | nd electronics. | | |
| | (ii) | The LCD screen does not work well | when i | t is cold. | | |
| | (iii) | Total stations are ideal for collecting | g large | numbers of points. | | |
| | (A) | Only (i) | (B) | Only (ii) | | |
| | (C) | Only (iii) | (D) | All of these above (i), (ii) and (iii) | | |
| 82. | Which of | the following statement is correct? | | | | |
| 1 | (i) | Sum of interior angles of a pentagor | n is 720° | | | |
| | (ii) | Sum of interior angles of a Heptago | n is 900 | • | | |
| | (iii) | Sum of interior angles of a Quadrila | ateral is | 540° | | |
| | (A) | Only (i) | (B) | Only (ii) | | |
| | (C) | Only (iii) | (D) | All of these above (i), (ii) and (iii) | | |
| 83. | The seque | ence of various engineering surveys | which | are carryout for the choice of a new | | |
| | (i) | Location survey | | | | |
| | (ii) | Preliminary survey | | | | |
| | (iii) | Reconnaissance survey | | | | |
| | (A) | (i), (ii) and (iii) | (B) | (i), (iii) and (ii) | | |
| | (C) | (ii), (iii) and (i) | (D) | (iii), (ii) and (i) | | |
| | | SINCE | | 1.2 (1.4) (1.4) (1.4) | | |
| 84. | | n Quadrilateral project connects: | | | | |
| | (A) | Srinagar to Kanyakumari | | | | |
| | (B) | Delhi, Mumbai, Chennai and Kolka | | | | |
| | (C) | Porbandar (Gujarat) to Silchar (Ass. | am) | | | |
| Man - | (D) | Punjab to Kolkata | | | | |

| 85. | Which of the following statement is/are correct about the methods of solving the three point problem in plane table survey? | | | | | | |
|-----|---|---|---------------------|-----------|---|--------------|---------|
| | (i) | By mechanical me | ethod | | | | |
| | (ii) By Bessel's method | | | | | | |
| | (ii |) By direct observat | ion method | | | | |
| | (A) | Only (i) and (ii) | | (B) | Only (i) and (iii) | | |
| | (C) | All of these above | (i), (ii) and (iii) | (D) | Only (ii) and (iii) | | |
| 86. | Which recommo | of the following standations of I.R.C.? | atement is/are | correct | about the Road | way width | as per |
| | (i) | National and Stat | e Highway is 12 | .0 m | | | |
| | (ii) | Major District Roa | ds is 10.0 m | | | | |
| | (iii | Other district road | ls is 8.0 m | | | | |
| | (A) | Only (i) and (ii) | | (B) | Only (i) and (iii) | V | |
| | (C) | All of these above | i), (ii) and (iii) | (D) | Only (ii) and (iii) | | |
| 87, | Which of | the following statem | ent is/are correc | t about A | AutoCAD Toggle d | rawing mode | s? |
| | (i) | F7-Toggle grid mod | le. | | 25-(45-53-78) 21-(41-51-51-51-51-51-51-51-51-51-51-51-51-51 | | |
| | (ii) | F8-Toggle polar mo | de. | | | | |
| | (iii) | F9-Toggle snap mo | de. | | | | |
| | (A) | Only (i) and (ii) | | (B) | Only (ii) and (iii) | | |
| | (C) | All of these above (|), (ii) and (iii) | (D) | Only (i) and (iii) | | |
| 8. | Which of | he following stateme | nt is/are correc | t about A | AutoCAD? | | |
| | (i) | OOPS command recommand issued. | einserts the las | st erased | d objects even if | it was not t | he last |
| | (ii) | PEDIT command ed | its polylines an | d 3D pol | ygon meshes. | | |
| | (iii) QVLAYOUT command displays preview images of model spaces and layouts in drawing. | | | | uts in a | | |
| | (A) | Only (i) and (ii) | | (B) | Only (ii) and (iii) | | |
| | (C) | All of these above (i) | , (ii) and (iii) | (D) | Only (i) and (iii) | | P. A. |
| | | | | | | | |

| | | | | | | The state of the s | |
|-----|---|--|--|--|---------------------|--|--|
| 89. | Whi | ch of t | he following statem | ent is correct abou | it Max | . Road Gradient? | |
| | (i) Plain or rolling is 1 in 20 | | | | | | |
| | | (ii) Mountainous and steep terrain with elevation upto 3000 m is 1 in 25 | | | | ion upto 3000 m is 1 in 25 | |
| | | (iii) | Elevation more than 3000 m is 1 in 30 | | | | |
| | | (A) | Only (i) | | (B) | Only (ii) | |
| | | (C) | Both (A) and (B) | | (D) | Only (iii) | |
| 00 | Whi | ah ia i | the sequence of reco | nnaissance survey | to be | conducted for a project from the given | |
| 90. | Which is the sequence of reconnaissance survey to be conducted for a project from the given statements? | | | | | | |
| | | (i) | Aerial reconnaissa | nce | | | |
| | (ii) Study of topographical survey sheets | | | | | | |
| | | (iii) | Ground reconnaiss | sance | | i , | |
| | | (A) | (i), (ii) and (iii) | | (B) | (i), (iii) and (ii) | |
| | | (C) | (ii), (iii) and (i) | | (D) | (ii), (i) and (iii) | |
| 1 | | | | | mod wh | sile reading a levelling staff against th | |
| 91. | Whice top of | ch of t or bot | the following type of tom hair instead of o | central hair? | rea wi | aile reading a levelling staff against the | |
| | | (i) | Instrumental Erro | the state of the s | | | |
| | (ii) Errors in manipulation | | | | | | |
| | | (iii) | Errors in reading | staff | | | |
| | | (A) | Only (i) | | (B) | Only (ii) | |
| | | (C) | Only (iii) | | (D) | Both (A) and (B) | |
| 92. | Whi | ch of | the following statem | nent is/are correct a | about t | the uses of contour maps? | |
| CI | | (i) | | | | | |
| | | (ii) | To draw longitudinal section and cross section to ascertain the nature of the ground in any desired direction. | | | | |
| | | (iii) | | | | | |
| | | | | | Only (ii) and (iii) | | |
| | | (C) | All of these above | (i), (ii) and (iii) | (D) | Only (i) and (iii) | |
| | | | No. | | | | |

| 93. Choose the correct full form of GPS: | | | | | | |
|--|---|--|---------|--|--|--|
| | (i) | Ground Positioning System | | | | |
| | (ii) | Global Positioning System | | | | |
| | (iii) | Geodetic Polar System | | | | |
| | (iv) | Geodetic Positioning System | | | | |
| | (A) | Only (i) | (B) | Only (ii) | | |
| | (C) | Only (iii) | (D) | Only (iv) | | |
| 94. | Which of the following is/are the advantages of GPS survey? | | | | | |
| | (i) | Three dimensional | | | | |
| | (ii) | Site inter visibility not needed | | | | |
| | (iii) | | | | | |
| | (iv) | Very few skilled personnel needed. | | | | |
| | (A) | Only (i) and (ii) | (B) | Only (ii) and (iii) | | |
| | (C) | Only (i) and (iii) | (D) | All of these above (i), (ii), (iii) and (iv) | | |
| 95. | Which of t | the following statement is/are correct | ? | The second secon | | |
| Section . | (i) | The coordinate systems used in GPS navigation are DMS, DDM and UTM | | | | |
| | (ii) | The minimum Segments to the GPS system are Space, Orbit and User | | | | |
| | (iii) | It is not possible to track the position of a receiver using GPS satellites. | | | | |
| | (A) | Only (i) and (ii) | (B) | Only (i) and (iii) | | |
| | (C) | All of these above (i), (ii) and (iii) | (D) | Only (ii) and (iii) | | |
| 96. | Which of th | he following statement is/are wrong | about G | PS? | | |
| | (i) The GPS itself does not require an internet connection. | | | | | |
| | (ii) | GPS receivers do not transmit any information. | | | | |
| | (iii) | Three GPS satellite signals are used to compute the position in three dimension and time offset in the receiver clock. | | | | |
| | (A) | Only (i) | (B) | Only (ii) | | |
| | (C) | Only (iii) | (D) | All of these above (i), (ii) and (iii) | | |
| | | | | · · · · · · · · · · · · · · · · · · · | | |

| 97. | Which of | of the following statement is/are correct? | | | | |
|---|--|---|-----------------------------------|--|--|--|
| | (i) | GPS is a satellite-based navigation system. | | | | |
| | (ii) |) Triangulation is the basis of GPS from satellites. | Culta DOD is | | | |
| | (iii) | i'll dies to most the | objectives of the DOD is | | | |
| | (A) | (B) Only (ii) | | | | |
| | (C) | C) Only (iii) (D) All of thes | e above (i), (ii) and (iii) | | | |
| 98. | Which of the following statement is/are correct about GPS? | | | | | |
| | (i) | MoBIC is an application of GPS for visually impaired. | | | | |
| | (ii) | i) Drishti is an application of GPS in agriculture. | | | | |
| | (iii) | ii) The principal behind GPS is the measurement of dis and the satellites | tance between the receiver | | | |
| | - (A) | Only (i) and (ii) (B) Only (ii) and | nd (iii) | | | |
| | (C) | C) Only (i) and (iii) (D) All of these | e above (i), (ii) and (iii) | | | |
| 99. | Which of | of the following is/are incorrect statement? | A. | | | |
| | (i) | GPS can be used for the prescription of telemedicine. | | | | |
| | (ii) | GPS can be used in the ground to get satellite images. | | | | |
| | (iii) GPS has developed into cost effective tool for updating GIS or CAD sys | | GIS or CAD system. | | | |
| | (A) | A) Only (i) (B) Only (ii) | | | | |
| | (C) | C) Only (iii) (D) Only (i), (i | ii) | | | |
| 100 | Wilsiah of | of the following are the components of CPS receiver? | | | | |
| 100. | Which of the following are the components of GPS receiver? | | | | | |
| | (i) | Antennas with preamplifier. RF section with signal identification and signal processing. | | | | |
| ٦ <u>-</u> | (ii) | | | | | |
| | (iii) | | | | | |
| (iv) User interface, command and display panel. | | | | | | |
| | (A) | | | | | |
| | (C) | C) Only (i) and (iii) (D) All of thes | e above (i), (ii), (iii) and (iv) | | | |