

Sikkim Public Service Commission

Main Written Examination for the Post of **Revenue Surveyor**

Paper - II

Time Allowed : 2 Hrs.

Maximum Marks : 100

INSTRUCTIONS TO CANDIDATES

Read the following instructions carefully before answering the questions :-

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS TEST BOOKLET DOES NOT HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET.
2. Please note that it is the candidate's responsibility to fill in the Roll Number and Test Booklet Serial Number carefully and without any omission or discrepancy at the appropriate places in the **OMR ANSWER SHEET**.
3. **Use only Black Ball Point Pen to fill the OMR sheet**
4. Do not write anything else on the OMR Answer Sheet except the required information.
5. **This Test Booklet contains 75 items (questions) in MCQ Mode to be marked in OMR Sheet.**
6. **All items from Q.1 to Q. 25 carries 2 marks each and Q. 26 to Q. 75 carries 1 mark each.**
7. Before you proceed to mark in the Answer Sheet (OMR), you have to fill in some particulars in the Answer Sheet (OMR) as per given instructions.
8. After you have completed filling in all your responses on the Answer Sheet (OMR) and the examination has concluded, you should hand over the Answer Sheet (OMR) to the Invigilator only . You are permitted to take away with you the Test Booklet.
9. **Marking Scheme**

THERE WILL BE NEGATIVE MARKING FOR WRONG ANSWERS MARKED BY A CANDIDATE IN THE OBJECTIVE TYPE QUESTION PAPERS.

- (i) There are four alternatives for the answer to every question. For each question for which a wrong answer has been given by the candidate, one-third of the marks assigned to that question will be deducted as penalty.
- (ii) If a candidate gives more than one answer, it will be treated as a wrong answer even if one of the given answers happens to be correct and there will be same penalty as above to the question.
- (iii) If a question is left blank. i.e., no answer is given by the candidate, there will be no penalty for that question.

DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE ASKED TO DO SO

PAPER - II
MATHEMATICS

$\left(\text{Take } \pi = \frac{22}{7} \right)$

1. Between two rational numbers, there exists :
 - A. no rational number
 - B. only one rational number
 - C. infinite number of rational numbers
 - D. no irrational number
2. On factorising, $1 + p + pq + p^2q$, we get :
 - A. $(1 + q)(1 + pq)$
 - B. $(p^2 + 1)(q^2 + 1)$
 - C. $p(1 + pq)$
 - D. $(1 + p)(1 + pq)$
3. If $a = 0.1039$, then the value of $\sqrt{4a^2 - 4a + 1} + 3a$ is :
 - A. 1.1039
 - B. 0.1109
 - C. 1.3029
 - D. 2.0139
4. Area of a square is 2.5 m^2 . It is equivalent to:
 - A. 250 cm^2
 - B. 25 cm^2
 - C. 2500 cm^2
 - D. 25000 cm^2
5. Which of the following is obtained by subtracting $x^2 - y^2$ from $y^2 - x^2$?
 - A. $2(x^2 - y^2)$
 - B. $2(x^2 + y^2)$
 - C. $-2(x^2 - y^2)$
 - D. $-2(x^2 + y^2)$

6. A shopkeeper bought 12 pencils for Rs. 16. For how much should he sell one pencil to gain 50%.
- A. Rs. 2
B. Rs. 2.5
C. Rs. 1.5
D. Rs. 4
7. The ratio between two numbers is 4 : 5. If their L.C.M. is 180, then the numbers are:
- A. 32 and 40
B. 36 and 45
C. 40 and 50
D. 24 and 30
8. How many bricks will be required for a wall which is 8m long, 6m high and 22.5cm thick, if each brick measures 25cm × 11.25cm × 6cm
- A. 6000
B. 5000
C. 6400
D. 4500
9. Which of the rational numbers, $\frac{4}{9}$, $\frac{-5}{6}$, $\frac{-7}{-12}$ and $\frac{11}{-24}$ is the smallest :
- A. $\frac{-5}{6}$
B. $\frac{-7}{-12}$
C. $\frac{11}{-24}$
D. $\frac{4}{9}$
10. The value of $\frac{1}{2} \times \sqrt{\frac{0.484 \times 0.81}{6.25 \times 0.064}}$ is :
- A. 0.500
B. 0.954
C. 0.495
D. 0.549

11. On factorising, $a^4 - 10a^2 + 9$, we get :
- A. $(a-3)(a-1)(a-3)(a-1)$
 - B. $(a+6)(a-6)(a+4)(a-4)$
 - C. $(a+3)(a+1)(a-3)(a-1)$
 - D. $(a+5)(a-5)(a+4)(a-4)$
12. If the surface area of a cube is 1734cm^2 , then its volume is :
- A. 4913cm^3
 - B. 2744cm^3
 - C. 4391cm^3
 - D. 4096cm^3
13. The perimeter of a triangle is $p^2 - p - 2$ and two of its sides are $p^2 - p + 1$ and $p^2 - 2p + 1$. Then the third side of the triangle is :
- A. $p^2 - 2p + 1$
 - B. $p^2 - 2p - 1$
 - C. $-p^2 + 2p - 4$
 - D. $-p^2 + p - 4$
14. By selling a chair for Rs. 67.50, a carpenter loses 10%. How much percent would he gain or lose by selling it for Rs. 82.50.
- A. 15%
 - B. 12.5%
 - C. 10%
 - D. 20%
15. Rs. 120 is divided between A, B and C, such that A's share is Rs. 20 more than B's share and Rs. 20 less than C's share. What is C's share:
- A. Rs. 30
 - B. Rs. 20
 - C. Rs. 40
 - D. Rs. 60

16. The number of coins, each of radius 0.75cm and thickness 0.2cm, to be melted to make a right circular cylinder of height 8cm and base radius 3cm is :
- A. 600
 - B. 620
 - C. 640
 - D. 580
17. Find the value of x in the quotient given below:
- $$\sqrt{86 \cdot 49} + \sqrt{5 + (x)^2} = 14 \cdot 3$$
- A. $2\sqrt{5}$
 - B. $3\sqrt{5}$
 - C. $5\sqrt{2}$
 - D. 20
18. The difference between the quotient and remainder when $(12 - 14a^2 - 13a)$ is divided by $(3 + 2a)$ is:
- A. $-4 + 7a$
 - B. $4 + 7a$
 - C. $2 + 7a$
 - D. $4 - 7a$
19. If the area of a rhombus is 24cm^2 and one of its diagonals is 4cm, then the perimeter of the rhombus is:
- A. $4\sqrt{10}$
 - B. $8\sqrt{10}$
 - C. $6\sqrt{5}$
 - D. None of these
20. A shopkeeper makes a profit of 10% by mixing two quantities of pulses in the ratio 2 : 3 and selling the mixture at the rate of Rs. 22 per kg. If the cost of the smaller quantity is Rs. 14 per kg, the cost per kg of the larger quantity is :
- A. Rs. 30
 - B. Rs. 24
 - C. Rs. 28
 - D. Rs. 22

21. A sold a watch to B at a gain of 15%. B sold it to C at a loss of 5%. If C paid Rs. 1311, how much did A pay for it:
- A. Rs. 1250.50
 - B. Rs. 1200
 - C. Rs. 1000
 - D. Rs. 1300
22. If the area of a circular disc is 38.5cm^2 , find its circumference.
- A. 22 cm
 - B. 20 cm
 - C. 19 cm
 - D. 44 cm
23. Three cubes of silver with edges 3cm, 4cm and 5 cm are melted and recast into a single cube. Find the cost of coating the surface of the new cube with gold at the rate of Rs. 3.50 per cm^2 .
- A. Rs. 667
 - B. Rs. 800
 - C. Rs. 756
 - D. Rs. 576
24. A closed cylindrical tank of radius 7m and height 3m is made from a sheet of metal. The amount of metal sheet required is :
- A. 500 m^2
 - B. 440 m^2
 - C. 400 m^2
 - D. 132 m^2
25. The greatest number of five digits which is a perfect square is:
- A. 81000
 - B. 99856
 - C. 90000
 - D. 99981

General Studies

26. In Sikkim, the Department responsible for revenue administration is
- Land Revenue and Disaster Management Department
 - Finance Revenue and Expenditure Department
 - Rural Management and Development Department
 - Home Department
27. Eleven Important Bird Areas (IBAS) identified and recognized by the Govt. of Sikkim in the year-
- 2001
 - 2002
 - 2003
 - 2004
28. In the assesment year 2011 - 2012, the BPL population in Sikkim was -
- 21.77%
 - 17.21%
 - 10.11%
 - 8.19%
29. Which migratory birds do often come to swim and play on the placid ice water of Tso-Lhamu Lake?
- Brahimini Ducks
 - Hérons
 - Cranes
 - None of the above
30. Which is the most important Pass on the Western Border of Sikkim and Nepal?
- Nathula
 - Jeplela
 - Chiwabhanjang
 - Bhutah La
31. Which of the following is not a Satellite peak of Mt. Kanchendzonga?
- Kabru
 - Pandim
 - Narsing
 - Lhotse

32. The Nathula Pass falls within :
- A. Dongkya La Range
 - B. Singalila Range
 - C. Chorten Nyina Range
 - D. Zaskar Range
33. In the early days, the people seeking for settlement in rural area used to pay a kind of token to Land Lord and Mandal. This was known as -
- A. Pesgi
 - B. Khajana
 - C. Chardam
 - D. Salami
34. The state Govt. decided to allot an area of half an acre of land for cultivation to Landless Sukumbasi under Land Bank Scheme in year -
- A. 1996
 - B. 1997
 - C. 1998
 - D. 1999
35. "Gorucharan" or "Gaucharan" land means
- A. Land reserved for fodder, firewood, graveyard, etc.
 - B. Land reserved for grazing purpose.
 - C. Land for cultivation.
 - D. Land unfit for cultivation.
36. The law in Sikkim which prohibits transfer of land belonging to a Bhutia or Lepcha to a non-Bhutia or Lepcha, without the consent of the Darbar/ Government is
- A. Article 371 (f)
 - B. Sikkim Agricultural and Land Ceiling Act.
 - C. Revenue Order no. 1
 - D. None of the above.
37. Any person who cultivates land belonging to another person on the condition that he shall provide a fixed amount of cash or crop to the land owner is called
- A. Adhiadar
 - B. Kutiadar
 - C. Pakhuria
 - D. None of the above

38. Certificate of Identification is issued by
- A. Revenue Officer
 - B. Sub-divisional Magistrate
 - C. District Collector
 - D. Block Development Officer
39. The four Sub-divisions under North district are
- A. Mangan, Chungthang, Lachen, Lachung
 - B. Mangan, Chungthang, Phodong, Kabi
 - C. Chungthang, Kabi, Mangan, Passingdong
 - D. Lachen, Lachung, Kabi, Mangan
40. Under the new land acquisition Act, the affected families are entitled for
- A. Land compensation
 - B. Compensation for standing properties
 - C. Rehabilitation and Resettlement
 - D. All of the above
41. Under the Right to Fair Compensation and Transparency in Land Acquisition Rehabilitation and Resettlement Act, 2013, land owners are entitled to receive solatium at the rate of
- A. 30 % of the market rate of land
 - B. 50 % of the market rate of land
 - C. 80 % of the market rate of land
 - D. 100 % of the market rate of land
42. The new land acquisition Act has been enforced w.e.f.
- A. 1st Jan, 2013
 - B. 1st Jan, 2014
 - C. 31st Dec, 2013
 - D. 31st Dec, 2014
43. Any person who cultivates land belonging to another person on condition of providing half of the produce to the land owner, is known as
- A. Adhiadar
 - B. Kutiadar
 - C. Palkhuria
 - D. None of the above

44. Document issued to a land owner, which contains details of land owned by him is called
- A. Khasra
 - B. Parcha
 - C. Khatian
 - D. None of the above
45. The "Registration of Documents Rules" came into being in the year
- A. 1928
 - B. 1930
 - C. 1932
 - D. 1940
46. Revenue Order no. 1 was issued in the year
- A. 1892
 - B. 1917
 - C. 1922
 - D. 1927
47. Tax for land paid by any land owner to the Government is known as
- A. Khazana
 - B. Masikata
 - C. Biyaz
 - D. None of the above
48. A person can lease his/her land to another person for a maximum period of
- A. 33 years
 - B. 66 years
 - C. 99 years
 - D. 100 years
49. As per the recent amendment of the Sikkim Transfer of Property Act, 2018, a person belonging to OBC Community can sell his land to another OBC, provided he has balance land of
- A. 3 acres
 - B. 5 acres
 - C. 6 acres
 - D. 10 acres

50. As per the new land acquisition Act, a socio- cultural evaluation is initially required which is known as
- A. Environmental Impact Assessment Study
 - B. Rehabilitation and Resettlement Survey
 - C. Social Impact Assessment Study
 - D. None of the above
51. During registration of land in favour of any person, a notice of _____ is issued for inviting claims and objections
- A. 15 days
 - B. 20 days
 - C. 1 month
 - D. 2 months
52. There are _____ Revenue Circles in Sikkim
- A. 16
 - B. 28
 - C. 49
 - D. 75
53. The functions of a Revenue Surveyor include
- A. Collection of land revenue
 - B. Preparation of maps
 - C. Survey of land
 - D. All of the above
54. The Registration fee to be paid during transfer of property through sale is
- A. 4 % of consideration value with 1% stamp duty
 - B. 5 % of consideration value with 1% stamp duty
 - C. 6 % of consideration value with 1% stamp duty
 - D. 10 % of consideration value with 1% stamp duty
55. Last general survey of land in the State was conducted during
- A. 1950-52
 - B. 1970-72
 - C. 1978-82
 - D. 1985-89

56. Under the land acquisition Act, land can be acquired for
- A. Public Purpose
 - B. Private purpose
 - C. Both a and b
 - D. None of the above
57. When any person is displaced during acquisition of his or her land under the new Act, he/ she is also entitled for
- A. Subsistence Grant for one year
 - B. Fishing Rights
 - C. One time settlement allowance
 - D. All of the above
58. An index register to a Block of maps is called
- A. Khasra
 - B. Khatian
 - C. Parcha
 - D. None of the above
59. As per an Order of the Maharaja of Sikkim dated 17th September, 1949, tax to be levied per house is
- A. Rs. 1/-
 - B. Rs. 2/-
 - C. Rs. 4/-
 - D. Rs. 5/-
60. According to the law on determination of cases relating to land dated 20th May, 1950, any dispute is initially disposed by the
- A. Tehsildar
 - B. Mandal
 - C. Dewan
 - D. Revenue Commission
61. Under the new land acquisition Act of 2013 the market rate of any land in an urban area is multiplied by _____, while calculating compensation
- A. 1
 - B. 1.5
 - C. 2
 - D. 2.5

62. As per an old law on maintenance of economic holdings, a land owner is not permitted to sell land if by such sale the land holding becomes less than
- A. 1 acre
 - B. 2 acres
 - C. 3 acres
 - D. 5 acres
63. According to the Order of the Darbar dated 25th February, 1961, any Nepalese marrying a Bhutia/ Lepcha girl
- A. Is restricted to acquire immovable property in Sikkim
 - B. Is allowed, if land is gifted
 - C. Both a and b
 - D. None of the above
64. As per Notification no. 28/ LR dated 21st April, 1969, any Sikkimese of Tibetan and Bhutanese origin
- A. Can purchase land from B/L community
 - B. Cannot purchase land from B/L community
 - C. Can purchase land from B/L community, with express sanction of the Darbar / Government
 - D. None of the above
65. Among the authorities listed below, who was not associated with land matters in the State
- A. Kazi
 - B. Mandal
 - C. Thikadar
 - D. None of the above
66. During registration of any "Will", the person registering the document shall deliver the Will to the Registrar
- A. In a sealed cover
 - B. Similar to any other document
 - C. Similar to other document, which is then sealed
 - D. A will need not be registered

67. If land under the new land acquisition Act is being acquired by any Company
- A. Consent of land owners is not required
 - B. Consent of 80% of land owners is required
 - C. Consent of 30% of land owners is required
 - D. Consent of 100% of land owners is required
68. Under the land acquisition Act, the Social Impact Assessment Study is conducted by
- A. The State Department
 - B. District Collector
 - C. SIA Unit
 - D. SDM
69. Provisions for exemption of SIA, under the Right to Fair Compensation and Transparency in Land Acquisition Rehabilitation and Resettlement Act, 2013 is provided in
- A. Section 24 of the Act
 - B. Section 40 of the Act
 - C. Section 48 of the Act
 - D. Section 11 of the Act
70. During acquisition process, the Social Impact Management Plan is prepared along with
- A. Social Impact Assessment report
 - B. Rehabilitation & Resettlement Scheme
 - C. Statement of Compensation
 - D. Award Declaration
71. The Social Impact Assessment Report is required to be
- A. Made available in local language
 - B. Uploaded in the Government website
 - C. Both a and b
 - D. None of the above
72. During Social Impact Assessment Study, public hearing in the affected area
- A. Is mandatory under law
 - B. Is not mandatory
 - C. Maybe conducted at the discretion of the DC
 - D. Is required only if a large number of families are affected

73. Butta number is number given to
- A. One Plot of land
 - B. A division of a plot of land
 - C. Group of plots
 - D. None of the above
74. The new land acquisition Act ensures compensation of upto _____ times of the market value for land in urban areas
- A. Two
 - B. Three
 - C. Four
 - D. Six
75. Provision for withdrawing the acquisition process after it has been initiated, can be done under
- A. Section 24 of the RFCTLARR Act, 2013
 - B. Section 48 of the RFCTLARR Act, 2013
 - C. Section 93 of the RFCTLARR Act, 2013
 - D. Section 109 of the RFCTLARR Act, 2013