# QUESTION BOOKLET AND ANSWER KEY
## FOR RECRUITMENT TEST OF
## District Disaster Management Coordinator
## Code 9.2
## HELD ON 9.12.2011

1. 'ਸੋਹਲੇ ਗਾਉਣਾ' ਮੁਹਾਵਰੇ ਦਾ ਅਰਥ ਹੈ :
   (A) ਉੱਚੀ ਬੋਲਣਾ    (B) ਸਿਫ਼ਤਾ ਕਰਨੀਆਂ    (C) ਨਿੰਦਿਆ ਕਰਨੀ    (D) ਖ਼ੁਸ਼ੀ ਦੇ ਗੀਤ ਗਾਉਣੇ

2. 'ਵਿਸਮਿਕ' ਵਾਕ ਹੁੰਦੇ ਹਨ :
   (A) ਜਿਹੜੇ ਉਦਾਸੀ, ਖ਼ੁਸ਼ੀ ਦੇ ਭਾਵਾਂ ਨੂੰ ਪ੍ਰਗਟ ਕਰਨ
   (B) ਜਿਹੜੇ ਉਦਾਸੀ, ਖ਼ੁਸ਼ੀ, ਗਮੀ, ਹੈਰਾਨੀ ਅਤੇ ਚਿੰਤਾ ਦੇ ਭਾਵ ਪ੍ਰਗਟ ਕਰਨ
   (C) ਜਿਹੜੇ ਕੇਵਲ ਖ਼ੁਸ਼ੀ ਦਾ ਸੰਕੇਤ ਕਰਨ
   (D) ਜਿਹੜੇ ਕੇਵਲ ਉਦਾਸੀ ਦੇ ਹੀ ਭਾਵ ਵਿਅਕਤ ਕਰਨ

3. ਪੰਜਾਬੀ ਧੁਨੀਆਂ ਨੂੰ ਕਿੰਨੇ ਪ੍ਰਕਾਰ ਨਾਲ ਵੰਡਿਆ ਜਾਂਦਾ ਹੈ :
   (A) ਤਿੰਨ        (B) ਚਾਰ           (C) ਦੋ            (D) ਪੰਜ

4. 'ਪ੍ਰਆਇਧੀ' ਕੀ ਹੈ ?
   (A) ਭਾਸ਼ਾ        (B) ਖੇਤਰ          (C) ਵਿਆਕਰਨ      (D) ਉਪ-ਭਾਸ਼ਾ

5. ਪੰਜਾਬੀ ਵਿਆਕਰਨ ਅਨੁਸਾਰ 'ਕਿਉਂਕਿ' ਸ਼ਬਦ ਕੀ ਹੈ ?
   (A) ਯੋਜਕ        (B) ਸੰਬੰਧਕ         (C) ਧਾਤੂ          (D) ਪੜਨਾਂਵ

**Directions Q.No. 6-8:-**
**Choose the correct synonym of the given word out of the four choices:**
6. **Grudge**
   A) Grievance      B) Greed         C) Gratitude      D) Gravity

7. **Impervious**
   A) Relevant       B) Invulnerable to   C) Impertinent    D) Permeable

8. **Imperious**
   A) Unaffected     B) Unhealthy      C) Commanding     D) Weak

**Directions Q.No. 9-10:-**
**Choose the correct opposite of the given word out of the four choices:**
9. **Impugn**
   A) Reject         B) Select         C) Indict         D) Support

10. **Impunity**
    A) Responsibility  B) Support       C) Correctness    D) Impudence

11. **Which part of the Ashoka's pillar at Sarnath has been taken for National Emblem of India?**
    A) central portion   B) bottom portion   C) capital        D) complete pillar

12. **India became _____ country to have acquired nuclear powered submarines.**
    A) sixth          B) fifth          C) fourth         D) third

13. **Match the following:**
    1. FDI                                a. N.K. Singh
    2. Venture capital                    b. Chandra Shekhar
    3. Disinvestment                      c. Tarapore
    4. Capital Account convertibility     d. G.V. Rama Krishna
    A) 1d, 2b, 3a, 4c    B) 1a, 2c, 3d, 4b    C) 1d, 2c, 3a, 4b    D) 1a, 2b, 3d, 4c

**14.** While determining literacy rate, the age taken into account is
A) + 1 years  B) + 5 years  C) + 6 years  D) + 7 years

**15.** Which of the following states is on the south-west of Punjab?
A) Haryana  B) Rajasthan  C) Himachal Pradesh  D) J and K

**16.** Which one of the following statements is correct about Punjab?
A) Punjab has 85% of its area under cultivation and 2.6% of cropped area of whole country
B) Punjab has 51% of its area under cultivation and 2.6% of cropped area of whole country
C) Punjab has 70% of its area under cultivation and 1.6% of cropped area of whole country
D) Punjab has 85% of its area under cultivation and 1.6% of cropped area of whole country

**17.** Which three of the following rivers do not flow through Punjab?
A) Satluj, Chenab, Jhelum  B) Chenab, Jhelum, Ravi
C) Beas, Ravi, Jhelum  D) Chenab, Ravi, Satluj

**18.** An ad-valorem duty is tax basis of
A) price of commodity  B) value added
C) Unit of commodity  D) advertisement expenses

**19.** Which of the following does not have a common boundary with Bangladesh?
A) Meghalaya  B) Mizoram  C) Tripura  D) Arunachal Pradesh

**20.** The first nuclear reactor of India is named
A) Urvashi  B) Apsara  C) Kamini  D) Rohini

**21.** D. Udaya Kumar who designed symbol for Indian Rupee is
A) IIT post-graduate  B) IIT drop out
C) Diploma holder in designing from polytechnic  D) MBA

**22.** First Woman to climb Mount Everest is
A) Santosh Yadav  B) Dina Vakel  C) Bachchendri Pal  D) Anna Chandi

**23.** How many members can the President of India nominate to Rajya Sabha?
A) 2  B) 10  C) 12  D) 8

**24.** After retirement a judge can undertake private practice of law
A) in the same court  B) only in a lower court
C) where ever he/she wished  D) in another court of the same level or higher court

**25.** Who was Indian leader who opposed organisation of Indian National Congress in 1885 along with Raja Shiva Prasad of Benaras?
A) Sayyid Ahmed Khan  B) Badrudin Tyabji
C) Nawab Abdul Latif  D) Mohammad Ali Jinnah

**26.** The doctrine of Swadeshi was first preached _____ and to _____
A) In 1866 ; save Indian economy
B) In 1866 ; generate feeling of patriotism
C) In 1870 ; protect Indian industries against slaught of British Manufacturers
D) In 1876 ; create feeling of Indianization.

27. In which city did representatives from the countries of the world meet and create the first international agreement on global warming?
   A) Rio de Janeiro, Brazil      B) Paris, France
   C) Kyoto, Japan      D) Kuala Lampur, Malaysia
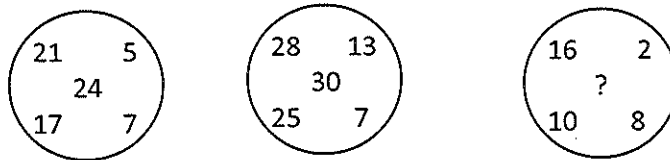
28. Match the following:

| I | II |
|---|---|
| 1. Malaria | a. Bone Marrow |
| 2. Filaria | b. Brain |
| 3. Encephalitis | c. Blood Cell |
| 4. Leukemia | d. Lymph node |

   A) 1c, 2d, 3b, 4a    B) 1c, 2d, 3a, 4b    C) 1c, 2b, 3d, 4a    D) 1a, 2b, 3c, 4d

29. The Earth is third planet from the Sun and is located between
   A) Venus and Mars      B) Mars and Jupiter
   C) Venus and Jupiter      D) Mercury and Venus

30. 'Boston Tea Party' is associated with the
   A) French Revolution      B) Russian Revolution
   C) American Independence      D) Independence of Egypt

31. On the basis of following statement, which assumptions are implicit.
   Statement: "I want to present a book on techniques of yoga to Ajay on his birthday," said A.
   Assumptions: i) A will be invited by Ajay on his birthday
   ii) The person to whom the book is to be presented, is not keeping good health
   iii) Book is an acceptable gift for birthday
   A) all are implicit      B) only i and ii are implicit
   C) only ii and iii are implicit      D) only i and iii are implicit

32. Which number in the third set will replace the question mark

Set 1: 21, 5, 24, 17, 7
Set 2: 28, 13, 30, 25, 7
Set 3: 16, 2, ?, 10, 8

   A) 24      B) 30      C) 36      D) 40

33. In a group of persons travelling in a bus, 6 persons can speak French, 15 can speak Spanish and 6 can speak English. In that group none can speak any other language. If 2 persons in the group can speak two languages and one person can speak all the three languages, then how many persons are there in the group
   A) 21      B) 22      C) 23      D) 24

Directions: on the basis of following informations, find the correct conclusions in Q. No. 34-35.
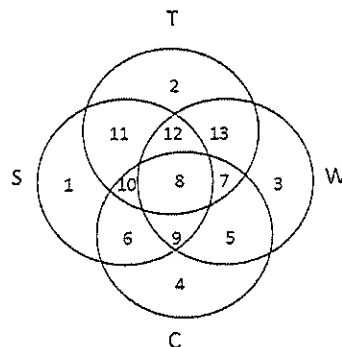   'X $ Y' means 'X' is not greater than 'Y'
   ' X # Y'means 'X' is neither greater than nor smaller than 'Y'
   'X %Y' means 'X' is not smaller than 'Y'
   'X * Y' means 'X' is neither smaller than nor equal to 'Y'
   'X@Y' means 'X' is neither greater than nor equal to 'Y'

34. Statements: D $ K, H * B, K @ H
    Conclusions: I B % K         II B @K        III H * D
    A) Only I and II are true         B) only I and III are true
    C) all I, II and III are true         D) none of these is true

35. Statements: F # M, M * J, P % F
    Conclusions: I P * J        II P % J        III P # M
    A) only I is true         B) only I and II are true
    C) only I and III are true         D) one of these is true

36. A monkey climbs 30 feet at the beginning of each hour and rests for a while when he slips back 20 feet before he again starts climbing at the beginning of next hour. If he begins his ascent at 8 a.m., at what time will he first touch flat at 120 feet high from the ground.
    A) 4 p.m.        B) 5 p.m.        C) 6 p.m.        D) none of these

37. In a row of 40 boys, Satish was shifted 10 places to the right of Rohan and Kewal was shifted 10 places to the left of Vilas. If Vilas was 26$^{th}$ from left and there were three boys between Kewal and Satish after shifting, what was the position of Rohan in the row?
    A) 10$^{th}$ from the right end        B) 10$^{th}$ from the left end
    C) 39$^{th}$ from the right end        D) data inadequate

**Directions: On the basis of following digit-letter-symbol sequence, answer Q.Nos. 38-39.**
R * T J L 2 $ D = M # 8 C % B < K 1 + A W ? P E ÷ Q @ 7 F 6

38. Which of the following is 6$^{th}$ to the left of 18$^{th}$ element from the left end?
    A) %        B) C        C) 1        D) 8

39. If the first fifteen elements in the above sequence are written in reverse order, then which of the following will be 21$^{st}$ from the right end?
    A) 2        B) $        C) =        D) L

40. If you pick up from English alphabets, the 6$^{th}$ and 14$^{th}$ letters from right end and then pick up 5$^{th}$ and 20$^{th}$ letters from the left end and form a meaningful word. What is the 1$^{st}$ letter of that word?
    A) E        B) M
    C) no word can be formed        D) more than one word can be formed

**Study the following diagram and answer Q.Nos. 41-43**



i) Circle S stands for households having scooter
ii) Circle T stands for households having a TV set
iii) Circle W stands for households having a washing machine
iv) circle C stands for households having a Car

41. Households having scooter, T.V. set and washing machine and not car are represented by the region
   A) 4          B) 7          C) 11          D)12

42. Households having T.V. Set but neither scooter nor washing machine are given by the region
   A) 2          B) 11          C) 12          D) 13

43. Household having a car, washing machine, TV set but not a scooter are represented by the region
   A) 8          B) 9          C) 7          D) none of these

44. A person starts from a point A and travels eastwards to B and then turns left and travels thrice that distance to reach C. He again turns left and travels five times the distance he covered between A and B and reaches his destination D. The shortest distance between the starting point and the destination is
   A) $\sqrt{306}$ Km          B) 15 Km          C) 12 Km          D) 18 Km

On the basis of following informations, answer Q. Nos. 45-46:
   Six persons A, B, C, D, E and F were playing a game. A's father, mother and uncle were in the group. There were two women. B, the mother of A, got more points than her husband. D got more points than E but less than F. Niece of E got the lowest points. Father of A got more points than F but could not win the game?

45. Who won the game?
   A) A          B) B          C) D          D) F

46. Who is husband of B?
   A) C          B) D          C) E          D) F

47. If 'A $ B' means 'A' is brother of 'B', 'A @ B' means 'A' is wife of 'B', 'A # B' means 'A' is daughter of 'B' and 'A θ B' means 'A' is father of 'B', then which of the following expressions indicates the relationship 'K' is father-in-law of H?
   A) H @ J $ L # P θ K          B) H @ J $ P θ L # K
   C) H @ P $ J θ L # K          D) H @ J $ L # K θ P

48. Rewrite the word VOCALIST in the numeric form by writing its first four letter in the reverse order and then next four letters in the reverse by substituting I by 8, 0 by 1, L by 3, T by 2, V by 5, S by 7, A by 9, and C by 6.
   A) 96152783          B) 92156873          C) 96157683          D) 92156783

49. Find the odd number out
   (i) 15          (ii) 63          (iii) 143          (iv) 195          (v) 257
   A) (i)          B) (v)          C) (iii)          D) (iv)

50. Complete the following series
   2 3 B – 6 –FG-5D - 8 - H I
   A) C, 7, 4, E, 9          B) D, 8, 6, C, 7          C) E, 8, 7, 8, 9          D) W, 8, 7, I, L

51. **Which of the following is the nodal ministry for urban flooding?**
    A) NDMA
    B) NIDM
    C) Ministry of Urban Development
    D) Ministry of Home Affairs

52. **Which of the following is incorrect about cloud burst?**
    A) Cloudburst is a disastrous weather event in which, heavy rainfall occurs over a localized area at a very slow rate.
    B) The rate of rainfall may be of the order of 100 mm/hr.
    C) Cloudburst in India occurs during the monsoon season over the orographically dominant regions like Himalayan region, north-eastern states and Western Ghats and in other areas as well.
    D) Associated convective clouds can extend up to a height of 15 km.

53. **Which of the following on its increase in atmospheric concentration is not the cause of global warming?**
    A) Carbon dioxide
    B) Methane
    C) Nitrous Oxide
    D) Oxygen

54. **Which of the following is not associated with institutional framework for disaster management?**
    A) National Executive Committee(NEC)
    B) Planning Commission
    C) NDRF
    D) SDRF

55. **Which of the following droughts has been defined by the National Commission on Agriculture?**
    A) Meteorological Drought
    B) Seasonal drought
    C) Rain based drought
    D) Cold region drought

56. **Where is the Headquarter of NATMO located?**
    A) New Delhi
    B) Hyderabad
    C) Kolkata
    D) Dehradun

57. **CBRN emergencies do not include:**
    A) Chemical disasters
    B) Biological disasters
    C) Radiological disasters
    D) Natural disasters

58. **The Department of Space has established a Decision Support Centre (DSC) at**
    A) NRSC
    B) NIDM
    C) NDMA
    D) IIRS

59. **Which commission recommended the setting up of National Drought Management Institute?**
    A) Planning Commission
    B) National Commission on Agriculture
    C) Second Administrative Reform Commission
    D) Third Administrative Reform Commission

60. **In which year did Tsunami struck the Indian coast?**
    A) 2002
    B) 2003
    C) 2004
    D) 2005

61. **The Indian National Centre for Ocean Information Services (INCOIS), is located at**
    A) Chennai
    B) Hyderabad
    C) Trivendram
    D) Cochin

62. The coastal areas can be divided into four hazard zones for Tsunami mitigation. Which one of the following is incorrect?
A) Zone 1 is the less dangerous zone
B) Zone 4 as the most dangerous zone
C) Zone 4 is sea ward
D) Zone 1 is the most dangerous zone

63. How much per cent of India's total land is flood prone?
A) 10
B) 12
C) 18
D) 22

64. What is the length of coastline in India?
A) 4000 km
B) 6505 km
C) 7516 km
D) 7000 km

65. Three Mile Island (TMI) that suffered the reactor accident is located in :
A) Japan
B) USSR
C) China
D) USA

66. Which of the following does not have an Emergency Response Centre (ERC)?
A) Indore
B) Jammu
C) Kota
D) Jaipur

67. During all the stages of the life of a nuclear plant, starting from design to decommissioning, radiation exposure to both the occupational workers as well as members of the public are regulated by a principle known as
A) ALARA
B) AERB
C) DULARA
D) SNM

68. During the earthquake 2001, there was release of one of the following chemicals at Kandla Port:
A) Methane
B) Butane
C) Phosphoric acid
D) Acrylonitrile

69. Which of the following causes the maximum loss of lives during a cyclone disaster?
A) Destructive winds
B) Storm surges
C) Very heavy rainfall
D) Low tides

70. Which of the following is to be done while being outdoor at the time of earthquake?
A) Drop to the ground
B) Move away from buildings, streetlights, and utility wires.
C) Take cover by getting under a sturdy table or other piece of furniture;
D) If there isn't a table or desk near you, cover your face and head with your arms and crouch in an inside corner of the building.

71. Which of the following is not associated with post cyclone measures?
A) Keep some dry non-perishable food always ready for emergency use
B) You must get inoculated against diseases immediately.
C) Strictly avoid any loose and dangling wires from the lamp posts.
D) Report the correct loss to appropriate authorities.

72. The epicenter is the point on the earth surface directly:
A) Above the focus
B) Below the focus
C) Inside the earth
D) In the core of earth

73. A large depression, generally more than 1 kilometer across, in the summit of a volcano; formed by collapse into the underlying magma chamber is called:
A) Berm
B) Cavern
C) Caldera
D) Lahar

74. The supercontinent that began to break up to form today's continents 225 million years ago is called:
   A) Panthalasa   B) Pangaea   C) Angalaland   D) Tehtys

75. The scale of tornado wind speed and damage is called
   A) Mercalli scale   B) Richter scale   C) Fujita Scale   D) Hadley scale

76. The permanent change in a stream channel, generally during a flood when a stream breaches its levee to send most of its flow outside of its channel is called:
   A) Avulsion   B) Convulsion   C) Solution   D) Advection

77. Which one of the following theories of disaster management informs organizational readiness and response in a disaster?
   A) Hobfoll's theory of Conservation of Resources
   B) The problem-solving task model
   C) Structure-functional theory
   D) Theory of traumatogenic forces

78. The Chernobyl disaster occurred in:
   A) 1985   B) 1986   C) 1987   D) 1988

79. The 2010 eruptions of Eyjafjallajökull were volcanic events at Eyjafjöll in
   A) Greenland   B) Iceland   C) Antarctica   D) Hawaii

80. Which of the following is not a hydro- meteorological hazard?
   A) Torrential rains   B) Floods   C) Tsunamis   D) Earthquakes

81. A GIS is "a powerful set of tools for collecting, storing, retrieving at will, transforming, and displaying spatial data from the real world for a particular set of purposes" is a well used definition of a GIS provided by:
   A) Mike Goodchild (1997)   B) Peter Burrough (1986)
   C) Roger Chorley (1987)   D) David Rhind (1991)

82. Which of the following is not an example of spatial data?
   A) Times of particular events
   B) Points showing location of discrete objects
   C) Lines showing the route of linear objects
   D) Polygons showing the area occupied by a particular land use or variable

83. Which of the following is not a hardware component of GIS:
   A) Digitizer   B) Plotter   C) Computer   D) Spatial data

84. The computer programme used to organize the data base is known as :
   A) DBMS   B) GIS   C) TIN   D) O-O system

85. A map showing the precise boundaries and size of land parcels is called:
   A) Choropleth map   B) Topographical map
   C) Cadastral map   D) Chorochromatic map

86. The creation of a zone of specified width around a point, line or area is called:
   A) Zoning   B) Buffering   C) Boolean intersection   D) Tessellation

87. **Which of the following is not a type of map projection?**
A) Azimuthal    B) Geographic    C) Conic    D) Cylindrical

88. **What does 1mm on a map drawn at a scale of 1:50,000 represent on the ground?**
A) 50 metres.    B) 500 centimetres.    C) 5 metres.    D) 50 centimetres

89. **How many satellites are used in the US NAVSTAR GPS satellite constellation?**
A) 20    B) 30    C) 15    D) 24

90. **What is the name of the Russian equivalent of GPS?**
A) GPESKI.    B) IKONOS.    C) GLONASS.    D) GLASNOST

91. **A narrow gap between two lines created erroneously by digitizing is called;**
A) Sliver    B) Spline    C) Spike    D) Arc

92. **UTM stands for**
A) Universal time management    B) Universal true meridian
C) United States Time Measurement    D) Universal Transverse Mercator

93. **Which of the following is not a GIS software?**
A) ArcGIS    B) ILWIS    C) GRAM++    D) SAS

94. **The topographical sheet 53 A/15 has R.F scale:**
A) 1: 1million    B) 1:250,000    C) 1:50,000    D) 1:25,000

95. **Which of the following is not a quantitative technique of relief representation?**
A) Contour    B) Hachure    C) Spot height    D) Bench mark

96. **Which of the following map scale is valid even on reduction or enlargement of a map?**
A) Representative Fraction    B) Statement
C) Graphic or linear    D) Metric

97. **On a topographical map, the cultivated land is indicated by**
A) Green colour    B) Yellow colour
C) Brown colour    D) Red colour

98. **The projection which maintains the area correctly is called:**
A) Orthomorphic    B) Orthographic    C) Homolographic    D) Stereographic

99. **Mean sea level is measured on:**
A) Nominal scale    B) Interval scale    C) Ordinal scale    D) Ratio scale

100. **The non graphic information associated with a point, line, or area element in a GIS is called:**
A) Location data    B) Attribute data    C) Geographic data    D) Interval data

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| Key 9.2 | | | | | | | |
|---|---|---|---|---|---|---|---|
| Q.No. | Ans. | Q.No. | Ans. | Q.No. | Ans. | Q.No. | Ans. |
| 1 | B | 26 | C | 51 | C | 76 | A |
| 2 | B | 27 | A | 52 | A | 77 | C |
| 3 | C | 28 | A | 53 | D | 78 | B |
| 4 | D | 29 | A | 54 | B | 79 | B |
| 5 | A | 30 | C | 55 | A | 80 | D |
| 6 | A | 31 | D | 56 | C | 81 | B |
| 7 | B | 32 | B | 57 | D | 82 | A |
| 8 | C | 33 | C | 58 | A | 83 | D |
| 9 | D | 34 | D | 59 | C | 84 | A |
| 10 | A | 35 | A | 60 | C | 85 | C |
| 11 | C | 36 | C | 61 | B | 86 | B |
| 12 | A | 37 | D | 62 | D | 87 | B |
| 13 | D | 38 | D | 63 | B | 88 | A |
| 14 | D | 39 | A | 64 | C | 89 | D |
| 15 | B | 40 | B | 65 | D | 90 | C |
| 16 | A | 41 | D | 66 | B | 91 | A |
| 17 | B | 42 | A | 67 | A | 92 | D |
| 18 | A | 43 | C | 68 | D | 93 | D |
| 19 | D | 44 | B | 69 | B | 94 | C |
| 20 | B | 45 | B | 70 | B | 95 | B |
| 21 | A | 46 | A | 71 | A | 96 | C |
| 22 | C | 47 | D | 72 | A | 97 | B |
| 23 | C | 48 | A | 73 | C | 98 | C |
| 24 | D | 49 | B | 74 | B | 99 | B |
| 25 | A | 50 | A | 75 | C | 100 | B |