

CET (PG)-2015

Sr. No. :

246096

Question Booklet Series : A

Important: Please consult your Admit Card / Roll No. Slip before filling your Roll Number on the Test Booklet and Answer Sheet.

Roll No.

In Figures

In Words

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O.M.R. Answer Sheet Serial No.

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Signature of the Candidate : _____

Subject : Masters in Disaster Management

Time : 90 minutes

Number of Questions : 75

Maximum Marks : 75

DO NOT OPEN THE SEAL ON THE BOOKLET UNTIL ASKED TO DO SO

INSTRUCTIONS

1. Write your Roll No. on the Question Booklet and also on the OMR Answer Sheet in the space provided and nowhere else.
2. Enter the Subject and Series Code of Question Booklet on the OMR Answer Sheet. Darken the corresponding bubbles with **Black Ball Point / Black Gel pen**.
3. Do not make any identification mark on the Answer Sheet or Question Booklet.
4. To open the Question Booklet remove the paper seal gently when asked to do so.
5. Please check that this Question Booklet contains 75 questions. In case of any discrepancy, inform the Assistant Superintendent within 10 minutes of the start of test.
6. Each question has four alternative answers (A, B, C, D) of which only one is correct. For each question, darken only one bubble (A or B or C or D), whichever you think is the correct answer, on the Answer Sheet with **Black Ball Point / Black Gel pen**.
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10. For calculations, use of simple log tables is permitted. Borrowing of log tables and any other material is not allowed.
11. For rough work only the sheets marked "**Rough Work**" at the end of the Question Booklet be used.
12. The Answer Sheet is designed for **computer evaluation**. Therefore, if you do not follow the instructions given on the Answer Sheet, it may make evaluation by the computer difficult. **Any resultant loss to the candidate on the above account, i.e., not following the instructions completely, shall be of the candidate only.**
13. After the test, hand over the Question Booklet and the Answer Sheet to the Assistant Superintendent on duty.
14. In no case the Answer Sheet, the Question Booklet, or its part or any material copied/noted from this Booklet is to be taken out of the examination hall. Any candidate found doing so, would be expelled from the examination.
15. A candidate who creates disturbance of any kind or changes his/her seat or is found in possession of any paper possibly of any assistance or found giving or receiving assistance or found using any other unfair means during the examination will be expelled from the examination by the Centre Superintendent/Observer whose decision shall be final.
16. **Telecommunication equipment such as pager, cellular phone, wireless, scanner, etc., is not permitted inside the examination hall. Use of calculator is not allowed.**

SEAL

1. Which of the following is used to measure atmospheric pressure ?
(A) Hygrometer (B) Barometer
(C) Sphygmomanometer (D) Altimeter
2. Guru Sikhar is the mountain peak of :
(A) Shiwalik (B) Aravali
(C) Karakoram (D) Nilgiri
3. Malin village experienced severe landslide in 2014. It is in :
(A) Sikkim (B) Manipur
(C) Madhya Pradesh (D) Maharashtra
4. When was the last census of population conducted in India ?
(A) 2001 (B) 2011
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5. Which of the following States was most recently reorganized ?
(A) Madhya Pradesh (B) Bihar
(C) Andhra Pradesh (D) Uttar Pradesh
6. The point inside the earth where earthquake triggers is called :
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7. How many seismic zones are there in India ?
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(C) Four (D) Five
8. Fukushima is in :
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(C) Japan (D) Malaysia
9. Kutch is in the :
(A) East of Gujarat (B) West of Gujarat
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10. The territorial water of India extends into the sea to a distance of _____ nautical miles measured from the appropriate base line :

- (A) 12 (B) 15
(C) 250 (D) 7

11. Which of the following is a cyclic resource ?

- (A) Solar (B) Water
(C) Wind (D) Coal

12. Which of the following is incorrectly matched ?

- (A) Kudremukh: Karnataka (B) Bailadila: Chattisgarh
(C) Kumool: Tamil Nadu (D) Panna: Madhya Pradesh

13. Which State after Uttar Pradesh shares the largest proportion of population of India ?

- (A) Bihar (B) West Bengal
(C) Maharashtra (D) Andhra Pradesh

14. Which of the following States is not crossed by Tropic of Cancer ?

- (A) Rajasthan (B) Chattisgarh
(C) Manipur (D) Madhya Pradesh

15. Lake Chilka is located in :

- (A) Odisha (B) Andhra Pradesh
(C) Rajasthan (D) West Bengal

16. Match the following :

Places

- (i) Riasi
(ii) Koraput
(iii) Digboi
(iv) Asansol

State

- (a) Odisha
(b) Assam
(c) West Bengal
(d) Jharkhand
(e) Jammu & Kashmir

- | | | | | |
|-----|-----|------|-------|------|
| | (i) | (ii) | (iii) | (iv) |
| (A) | e | a | b | d |
| (B) | d | a | b | e |
| (C) | e | a | b | c |
| (D) | e | c | b | a |

17. Which of the crops is best suited for black soil ?

- (A) Wheat (B) Paddy
(C) Cotton (D) Jute

18. What is the correct order of our atmospheric layers ?

- (A) Troposphere, Ozonosphere, Mesosphere, Thermosphere
(B) Troposphere, Stratopause, Tropopause, Thermosphere
(C) Ozonosphere, Tropopause, Mesopause, Thermosphere
(D) Tropopause, Biosphere, Thermosphere, Atmosphere

19. CFCs stand for :

- (A) Central Forensic Centres (B) Chloro fluoro carbons
(C) Chlorine Fluorine Compounds (D) Combined family of carbons

20. The standard atmospheric pressure at sea is :

- (A) 900 mb (B) 1000 mb
(C) 1013 mb (D) 1023 mb

21. The rate of decline in temperature with altitude in the troposphere is :

- (A) 6.5°C per 100 m (B) 6.5°C per 1000 m
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22. Tuticorin is in :

- (A) Tamil Nadu (B) Andhra Pradesh
(C) Kerala (D) Odisha

23. Anemometer is used for measuring :

- (A) Humidity (B) Precipitation
(C) Atmospheric pressure (D) Wind speed

24. Which of the following is not a planetary wind ?

- (A) Trade wind (B) Westerlies
(C) Polar winds (D) Monsoon

25. Which of the following places will receive vertical rays of the sun twice in a year in different months ?

- (A) Gwalior (B) Delhi
(C) Chennai (D) Jabalpur

26. Which of the following nuclear plants (including proposed) is incorrectly matched ?
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| (A) Kudankulam | Tamil Nadu |
| (B) Tarapur | Maharashtra |
| (C) Jaitapur | Karnataka |
| (D) Gorakhpur | Haryana |
27. Shifting cultivation is called :
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| (A) Jhuming | (B) Sedentary |
| (C) Extensive | (D) Commercial |
28. Which of the following is a surface wave ?
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| (A) L | (B) P |
| (C) S | (D) Push waves |
29. Which of the following spectral ranges denote visible light ?
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30. Which one of the following is referred to as India Standard Time Meridian ?
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| (A) $82^{\circ} 30'$ | (B) $82^{\circ} 30'$ E longitude |
| (C) $82^{\circ} 30'$ W longitude | (D) 6° longitude |
31. Latur is in :
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| (A) Maharashtra | (B) Tamil Nadu |
| (C) Rajasthan | (D) Karnataka |
32. The easternmost longitude of India is :
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|------------------------|------------------------|
| (A) $97^{\circ} 25'$ E | (B) $77^{\circ} 6'$ E |
| (C) $68^{\circ} 7'$ E | (D) $82^{\circ} 32'$ E |
33. Uttarakhand, Uttar Pradesh, Bihar, West Bengal and Sikkim have common frontiers with :
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| (A) China | (B) Nepal |
| (C) Bhutan | (D) Myanmar |
34. If you intend to visit Kavarati during your summer vacations, which one of the following Union Territories of India you will be going to ?
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| (A) Puducherry | (B) Andaman and Nicobar |
| (C) Lakshadweep | (D) Diu and Daman |

35. My friend hails from a country which does not share land boundary with India. Identify the country :
- (A) Bhutan (B) Bangladesh
(C) Tajikistan (D) Nepal
36. A landmass bounded by sea on three sides is referred to as :
- (A) Coast (B) Peninsula
(C) Island (D) Archipelago
37. Mountain ranges in the eastern part of India forming its boundary with Myanmar are collectively called as :
- (A) Himachal (B) Purvachal
(C) Uttarakhand (D) Kirthar
38. The western coastal strip, south of Goa is referred to as :
- (A) Coromandel (B) Kannad
(C) Konkan (D) Northern Circar
39. The highest peak in the Eastern Ghats is :
- (A) Anni Mudi (B) Mahendragiri
(C) Kanchenjunga (D) Khasi
40. India's only active volcano is found on Barren Island in :
- (A) Andaman & Nicobar Islands (B) Lakshadweep
(C) Dadar & Nagar Haveli (D) West Bengal
41. In which of the following States is the Wular Lake located ?
- (A) Rajasthan (B) Punjab
(C) Uttar Pradesh (D) Jammu and Kashmir
42. The river Narmada has its source at :
- (A) Satpura (B) Amarkantak
(C) Brahmagiri (D) Slopes of the Western Ghats
43. Which one of the following lakes is a salt water lake ?
- (A) Sambhar (B) Wular
(C) Dal (D) Gobind Sagar

44. Which one of the following is the longest river of the Peninsular India ?
 (A) Narmada (B) Godavari
 (C) Krishna (D) Mahanadi
45. Which one amongst the following rivers flows through a rift valley ?
 (A) Mahanadi (B) Krishna
 (C) Tungabhadra (D) Tapi
46. Which one of the following type of resource is iron ore ?
 (A) Renewable (B) Flow
 (C) Biotic (D) Non-renewable
47. Under which of the following type of resource can tidal energy be put ?
 (A) Replenishable (B) Abiotic
 (C) Human-made (D) Non-recyclable
48. Which one of the following is the main cause of land degradation in Punjab ?
 (A) Intensive cultivation (B) Over irrigation
 (C) Deforestation (D) Overgrazing
49. In which one of the following States is terrace cultivation practised ?
 (A) Punjab (B) Haryana
 (C) Plains of Uttar Pradesh (D) Uttarakhand
50. In which of the following States is black soil found ?
 (A) Jammu and Kashmir (B) Rajasthan
 (C) Gujarat (D) Jharkhand
51. Laterite has been derived from the Latin word 'later' which means :
 (A) Brick (B) Water
 (C) Forest (D) Sand
52. Downs is grassland found in :
 (A) Australia (B) Argentina
 (C) Russia (D) Mexico

53. India's National Forest Policy 1988 aims at maintaining _____ percent of the geographical area under forest and tree cover.
- (A) 25
(B) 33
(C) 66
(D) 50
54. Which of the following is the first State in India which has made roof top rainwater harvesting structure compulsory to all the houses across the state ?
- (A) Tamil Nadu
(B) Kerala
(C) Gujarat
(D) Punjab
55. In the first century B.C. Allahabad had sophisticated water harvesting system channeling the flood water of the river Ganga at :
- (A) Kampti
(B) Sringerapur
(C) Koshi
(D) Gorakhpur
56. According to Falkenmark, a Swedish expert, water stress occurs when water availability is between :
- (A) 1,000 and 1,600 cubic meter per person per year
(B) 2,000 and 2,500 cubic meter per person per year
(C) 100 and 250 cubic meter per person per year
(D) 1,600 and 2,500 cubic meter per person per year
57. The total volume of world's water estimated to exist as oceans is :
- (A) 75 per cent
(B) 78 per cent
(C) 96.5 per cent
(D) 90.5 per cent
58. Which one of the following is a leguminous crop ?
- (A) Pulses
(B) Millets
(C) Jawar
(D) Sesamum
59. India's population grew by _____ per cent during 2001-11.
- (A) 10.1
(B) 15
(C) 17.7
(D) 23.5
60. The density of population per square kilometer in India in 2011 census was recorded as :
- (A) 325 persons
(B) 382 persons
(C) 425 persons
(D) 350 persons

61. Which of the following is associated with climate change ?
 (A) FAO (B) NDMA
 (C) UNISDR (D) IPCC
62. The child sex ratio in 2011 census in India was _____ per 1000 male children.
 (A) 918 (B) 930
 (C) 935 (D) 960
63. Which of the following is the most dominant gas in the atmosphere ?
 (A) Hydrogen (B) Oxygen
 (C) Carbon dioxide (D) Nitrogen
64. *El Nino* is associated with :
 (A) Industries (B) Monsoon
 (C) Satellites (D) Cyclones
65. *Hudhud* cyclone derives its name after a :
 (A) Bird (B) River
 (C) Reptile (D) Mountain
66. Tribhuvan International Airport is in :
 (A) India (B) Indonesia
 (C) Nepal (D) Bhutan
67. Fresh water may be *lotic* or *lentic*. The word *lotic* is used for :
 (A) Standing water (B) Running water
 (C) Frozen Water (D) Gaseous water
68. Organisms that produce their own food are called :
 (A) Heterotrophs (B) Macro consumers
 (C) Autotrophs (D) Micro consumers
69. Which of the following is a marsupial ?
 (A) Kangaroo (B) Camel
 (C) Lion (D) Parrot

70. Which of the following pesticides is most dominantly used in India ?
(A) Fungicide (B) Herbicide
(C) Weedicide (D) Insecticide
71. Carbon monoxide affects :
(A) Oxygen carrying capacity of blood (B) Skin
(C) Bones (D) Eyesight
72. Which of the following is not a disease related to polluted water ?
(A) Cholera (B) Typhoid
(C) Dengue (D) Diarrhoea
73. The unit decibel is used to measure :
(A) Sound (B) SPM
(C) Purity of water (D) Air pressure
74. What percentage of Population in India lives in urban areas ?
(A) 31 (B) 25
(C) 40 (D) 42
75. Which of the following is the apex authority for disaster management in India ?
(A) NIDM (B) NDRF
(C) NDMA (D) NDA

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Question Booklet Series : A

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O.M.R. Answer Sheet Serial No.

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Maximum Marks : 75

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| | (i) | (ii) | (iii) | (iv) |
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17. Which of the crops is best suited for black soil ?

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51. Laterite has been derived from the Latin word 'later' which means :
 (A) Brick (B) Water
 (C) Forest (D) Sand
52. Downs is grassland found in :
 (A) Australia (B) Argentina
 (C) Russia (D) Mexico

53. India's National Forest Policy 1988 aims at maintaining _____ percent of the geographical area under forest and tree cover.
- (A) 25
(B) 33
(C) 66
(D) 50
54. Which of the following is the first State in India which has made roof top rainwater harvesting structure compulsory to all the houses across the state ?
- (A) Tamil Nadu
(B) Kerala
(C) Gujarat
(D) Punjab
55. In the first century B.C. Allahabad had sophisticated water harvesting system channeling the flood water of the river Ganga at :
- (A) Kampti
(B) Sringerapur
(C) Koshi
(D) Gorakhpur
56. According to Falkenmark, a Swedish expert, water stress occurs when water availability is between :
- (A) 1,000 and 1,600 cubic meter per person per year
(B) 2,000 and 2,500 cubic meter per person per year
(C) 100 and 250 cubic meter per person per year
(D) 1,600 and 2,500 cubic meter per person per year
57. The total volume of world's water estimated to exist as oceans is :
- (A) 75 per cent
(B) 78 per cent
(C) 96.5 per cent
(D) 90.5 per cent
58. Which one of the following is a leguminous crop ?
- (A) Pulses
(B) Millets
(C) Jawar
(D) Sesamum
59. India's population grew by _____ per cent during 2001-11.
- (A) 10.1
(B) 15
(C) 17.7
(D) 23.5
60. The density of population per square kilometer in India in 2011 census was recorded as :
- (A) 325 persons
(B) 382 persons
(C) 425 persons
(D) 350 persons

61. Which of the following is associated with climate change ?
 (A) FAO (B) NDMA
 (C) UNISDR (D) IPCC
62. The child sex ratio in 2011 census in India was _____ per 1000 male children.
 (A) 918 (B) 930
 (C) 935 (D) 960
63. Which of the following is the most dominant gas in the atmosphere ?
 (A) Hydrogen (B) Oxygen
 (C) Carbon dioxide (D) Nitrogen
64. *El Nino* is associated with :
 (A) Industries (B) Monsoon
 (C) Satellites (D) Cyclones
65. *Hudhud* cyclone derives its name after a :
 (A) Bird (B) River
 (C) Reptile (D) Mountain
66. Tribhuvan International Airport is in :
 (A) India (B) Indonesia
 (C) Nepal (D) Bhutan
67. Fresh water may be *lotic* or *lentic*. The word *lotic* is used for :
 (A) Standing water (B) Running water
 (C) Frozen Water (D) Gaseous water
68. Organisms that produce their own food are called :
 (A) Heterotrophs (B) Macro consumers
 (C) Autotrophs (D) Micro consumers
69. Which of the following is a marsupial ?
 (A) Kangaroo (B) Camel
 (C) Lion (D) Parrot

70. Which of the following pesticides is most dominantly used in India ?
(A) Fungicide (B) Herbicide
(C) Weedicide (D) Insecticide
71. Carbon monoxide affects :
(A) Oxygen carrying capacity of blood (B) Skin
(C) Bones (D) Eyesight
72. Which of the following is not a disease related to polluted water ?
(A) Cholera (B) Typhoid
(C) Dengue (D) Diarrhoea
73. The unit decibel is used to measure :
(A) Sound (B) SPM
(C) Purity of water (D) Air pressure
74. What percentage of Population in India lives in urban areas ?
(A) 31 (B) 25
(C) 40 (D) 42
75. Which of the following is the apex authority for disaster management in India ?
(A) NIDM (B) NDRF
(C) NDMA (D) NDA