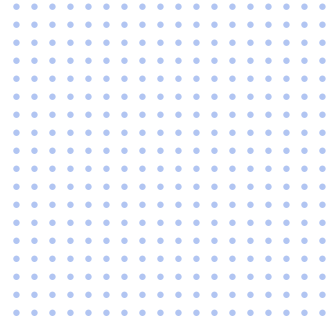




FOR KUET EXAM PREPARATION

KUET 2024

Question Paper · M.Sc. Disaster Management

EXAM	YEAR	TYPE	SUBJECT
KUET	2024	Question Paper	M.Sc. Disaster Management

Sr. No. **281****ENTRANCE TEST-2024****SCHOOL OF EARTH & ENVIRONMENTAL SCIENCES****DISASTER MANAGEMENT**

Total Questions : 60

Time Allowed : 70 Minutes

Question Booklet Series

A

Roll No. :

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Instructions for Candidates :

1. Write your Entrance Test Roll Number in the space provided at the top of this page of Question Booklet and fill up the necessary information in the spaces provided on the OMR Answer Sheet.
2. OMR Answer Sheet has an Original Copy and a Candidate's Copy glued beneath it at the top. While making entries in the Original Copy, candidate should ensure that the two copies are aligned properly so that the entries made in the Original Copy against each item are exactly copied in the Candidate's Copy.
3. All entries in the OMR Answer Sheet, including answers to questions, are to be recorded in the Original Copy only.
4. Choose the correct / most appropriate response for each question among the options A, B, C and D and darken the circle of the appropriate response completely. The incomplete darkened circle is not correctly read by the OMR Scanner and no complaint to this effect shall be entertained.
5. Use only blue/black ball point pen to darken the circle of correct/most appropriate response. In no case gel/ink pen or pencil should be used.
6. Do not darken more than one circle of options for any question. A question with more than one darkened response shall be considered wrong.
7. There will be '**Negative Marking**' for wrong answers. Each wrong answer will lead to the deduction of 0.25 marks from the total score of the candidate.
8. Only those candidates who would obtain positive score in Entrance Test Examination shall be eligible for admission.
9. Do not make any stray mark on the OMR sheet.
10. Calculators and mobiles shall not be permitted inside the examination hall.
11. Rough work, if any, should be done on the blank sheets provided with the question booklet.
12. OMR Answer Sheet must be handled carefully and it should not be folded or mutilated in which case it will not be evaluated.
13. Ensure that your OMR Answer Sheet has been signed by the Invigilator and the candidate himself/herself.
14. At the end of the examination, hand over the OMR Answer Sheet to the invigilator who will first tear off the original OMR sheet in presence of the Candidate and hand over the Candidate's Copy to the candidate.

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★**[Turn over****SEAL**

1. What type of Hazard is an earthquake ?
 (A) Meteorological
 (B) Hydrological
 (C) Geological
 (D) Biological
2. Most Cyclone hit region of India :
 (A) East Coast
 (B) West Coast
 (C) Central India
 (D) None of these
3. When did Bhopal Gas Tragedy happen ?
 (A) 1984
 (B) 1994
 (C) 1974
 (D) 1979
4. Which one is the Terrestrial Disaster ?
 (A) Cyclone
 (B) Hailstorm
 (C) Landslide
 (D) All of these
5. A set of prevailing or consequential conditions, which adversely affect the community's ability to prevent, mitigate, prepare for and respond to hazardous events :
 (A) Vulnerability
 (B) Disaster
 (C) Disaster risk
 (D) Hazard
6. The term disaster is derived from which language ?
 (A) Greek
 (B) Latin
 (C) French
 (D) English
7. Which of the following is **NOT** a structural mitigation measure for earthquakes ?
 (A) Installing early warning system
 (B) Construction of earthquake resistant buildings
 (C) Retrofitting of existing buildings
 (D) Strengthening of bridges
8. How many steps are there in the disaster recovery process ?
 (A) 7
 (B) 4
 (C) 5
 (D) 8
9. What is the primary purpose of conducting a community vulnerability and capacity assessment in CBDM ?
 (A) Identifying potential hazards in the community
 (B) Evaluating the effectiveness of Government Disaster Policies
 (C) Understanding the community's strengths and weaknesses in dealing with disasters
 (D) Conducting relief operations in the community
10. Which of the following is correct for adaption measures of disasters ?
 (A) It is localised and region-specific
 (B) These are long-term strategies
 (C) It is the strategy to adjust to climatic change
 (D) It is the strategy to reduce the impact of climate change

11. India's vulnerable landmass prone earthquakes of moderate to very high intensity is :
 (A) 59%
 (B) 12%
 (C) 68%
 (D) None of these
12. The NDMA was Constituted on :
 (A) 27 September 2006
 (B) 27 September 2005
 (C) October 2005
 (D) None of these
13. Which of the following is not the phase of Disaster Management Cycle ?
 (A) Mitigation
 (B) Readiness
 (C) Preparedness
 (D) Response
14. Risk means probability and consequences.
 (A) True
 (B) False
15. Which of the following belong to the 10 core principles of the Yokohama Strategy ?
 (A) Risk assessment
 (B) Capacity building
 (C) Reducing vulnerability through planned development
 (D) All of these
16. When was the Yokohama Strategy for a safer world adopted by UNO ?
 (A) 1990
 (B) 1994
 (C) 1992
 (D) 1996
17. Which one of the Hyogo Framework for Action (HFA) identified five priorities for action is incorrect ?
 (A) Ensure that disaster risk reduction (DRR) is a national and a local priority with a strong institutional basis for implementation
 (B) Identify, assess and monitor disaster risks and enhance early warning
 (C) Use knowledge, innovation and education to build a culture of safety and resilience at all levels
 (D) Reduce the underlying risk factors
 (E) Strengthen disaster preparedness for effective response specific levels
18. The HFA was adopted at the *World Conference on Disaster Reduction*, held in Kobe, Hyogo, Japan in :
 (A) 2005
 (B) 2018
 (C) 2015
 (D) None of these
19. How many targets Sendai Framework has set for 2015-30 ?
 (A) 4
 (B) 7
 (C) 10
 (D) 6
20. When was the Sendai Framework for disaster risk reduction adopted by UN General Assembly ?
 (A) 2015
 (B) 2018
 (C) 2016
 (D) None of these

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21. Who is the Chairperson of Disaster Management Authority of India (NDMA) ?
 (A) President of India
 (B) Prime Minister of India
 (C) Home Minister of India
 (D) Minister of Environment and Forests
22. Which year is the paradigm shift for the Disaster Management in India ?
 (A) 2005
 (B) 2006
 (C) 2007
 (D) 2008
23. The Disaster Management Force was established by Section 26 of :
 (A) Parliament of India
 (B) Ordinance by the President of India
 (C) NDMA
 (D) Disaster Management Act, 2005
24. The Centre Government provides SDRF funds to the General Category States and Union Territories to the tune of :
 (A) 90%
 (B) 75%
 (C) 50%
 (D) None of these
25. Which one of the following statement is correct
 Satellite technology can also be used to detect :
 (A) Ground movement
 (B) Predict landslides
 (C) Seismic activity
 (D) All of these
26. Which satellite is used specifically for managing the natural resources of the nation and disaster management ?
 (A) EDUSAT
 (B) INSAT
 (C) IRS
 (D) GSA
27. Which of the following are biological disasters ?
 (A) Cholera
 (B) Influenza H1N1(Swine-flu)
 (C) COVID-19
 (D) All of these
28. Which of the following Legislations enacted in India provides for the Institutional and Operational Framework for disaster prevention response preparedness and recovery at all level ?
 (A) The Water (Prevention and Control of Pollution) Act, 1974
 (B) The Air (Prevention and Control of Pollution) Act, 1981
 (C) The Environmental (Protection) Act, 1986 and the Rules (1986)
 (D) Disaster Management Act, 2005
29. What best describes the Earth's crust ?
 (A) Outer most layer of the Earth
 (B) Outer most thinnest layer of the Earth
 (C) The semi-solid layer
 (D) None of these
30. The largest layer of the Earth which composes 84% of its volume is :
 (A) Core
 (B) Asthenosphere
 (C) Mantle
 (D) Crust

31. Which of the following is the most stable ecosystem ?
- Marine ecosystem
 - Mountain ecosystem
 - Desert ecosystem
 - All of these
32. Bog is a wetland which receives water from :
- Nearby water bodies
 - Rainfall only
 - Melting of snow
 - None of these
33. How many percent of carbon dioxide increased in the atmosphere since pre-industrial times ?
- About 10%
 - About 20%
 - About 30%
 - About 40%
34. Which one of the following is the anthropogenic radiative forcing of climate ?
- Aerosols
 - Cement
 - Paper
 - Glass
35. Which of the following tools of learning does not provide Information and Communication Technology (ICT) ?
- Laboratories
 - Slide Shows
 - Videos
 - Calculations
36. How many bits does an IP address consist of ?
- 32
 - 64
 - 24
 - 16
37. Which of the following passes does not lie in Ladakh ?
- Khardungla Pass
 - Umlingla Pass
 - Jelep la Pass
 - Namkela Pass
38. Which region of Uttar Pradesh is a Duab ?
- Bhabar
 - Gangetic Plain
 - Vindhyan Hills
 - None of the above
39. Zojila Pass is in which Mountain range ?
- Zaskar Range
 - Ladakh Range
 - Karakoram Range
 - None of these
40. India's largest fresh water reservoir is created by :
- Bansagar Project
 - Indira Sagar Project
 - Matatila Project
 - Hirakud Dam Project

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[Turn over

41. The second largest glacier outside the polar region is :
 (A) Gangotri glacier
 (B) Siachen glacier
 (C) Lambert glacier
 (D) Gem glacier
42. In which one of the following States is "Gir forest" located ?
 (A) Maharashtra
 (B) Rajasthan
 (C) Haryana
 (D) Gujarat
43. What is the total (approximate) forest cover of erstwhile State of Jammu and Kashmir ?
 (A) 19%
 (B) 35%
 (C) 20%
 (D) 15%
44. Which of the following is out of sequence Environmental problems can generally be grouped into three categories ?
 (A) Resource Depletion
 (B) Pollution
 (C) Loss of Biodiversity
 (D) Population Explosion
45. Which of the following regions is identified as Country's biggest hotspot for soil erosion ?
 (A) Sutlej Valley in Uttarakhand
 (B) Brahmaputra Valley in Assam
 (C) Indus Valley in Ladakh
 (D) Ganga Valley in U.P.
46. Which type of farming causes more deforestations ?
 (A) Subsistence agriculture
 (B) Commercial farming
 (C) Mixed farming
 (D) All of these
47. Which one of the following Natural Disaster threats looms most at Jammu and Kashmir ?
 (A) Landslides
 (B) Floods
 (C) Earthquakes
 (D) Forest fires
48. The greatest flood ever known which came down the Valley and Srinagar occurred in :
 (A) 2014
 (B) 1903
 (C) 1902
 (D) 1950
49. What is the theme of International Day of Disaster Risk Reduction 2024 ?
 (A) Plastic free world
 (B) Afforestation
 (C) Role of Education in protecting and empowering Youth
 (D) All of these
50. Which of the following Natural Disasters in 2024 is out of sequence ?
 (A) Southern Brazil stricken by unprecedented flooding
 (B) Deadly floods in China
 (C) Unprecedented floods in Dubai, Oman, Bahrain and Qatar
 (D) Deadly floods in Pakistan

51. Who is the father of Disaster Management ?
 - (A) Robert Bullard
 - (B) R.K. Pachauri
 - (C) Al Gore
 - (D) None of these
52. An inconvenient Thrust is written by :
 - (A) Rachel Carson
 - (B) Wangari Maathai
 - (C) Al Gore
 - (D) Michael Braungart
53. Which country suffered from most disasters (25 in number) in 2023 ?
 - (A) China
 - (B) India
 - (C) America
 - (D) Brazil
54. Youngest environmentalist of the world :
 - (A) Greta Thunberg
 - (B) David Atterborough
 - (C) Leonardo DiCaprio
 - (D) None of these
55. Which one is out of sequence in the following ?
The erosion not only threatens valuable agricultural areas but also jeopardizes the existence of entire coastal communities marked by dense populations and infrastructural significance :
 - (A) Mumbai
 - (B) Kolkata
 - (C) Chennai
 - (D) Delhi
56. The most of the Himalayan States with high density of population is most vulnerable to :
 - (A) Floods
 - (B) Landslides
 - (C) Earthquakes
 - (D) Soil erosion
57. Which of the following organisations coordinates international efforts in disaster risk reduction and it reports on the implementation of the Sendai Framework for Disaster Risk Reduction ?
 - (A) UNICEF
 - (B) UNESCO
 - (C) UNDRR
 - (D) All of these
58. Which NGO is an award winning organisation, providing disaster relief, recovery, and preparedness across India ?
 - (A) Rapid Response
 - (B) Sakal Relief Fund
 - (C) Care India
 - (D) Smile Foundation
59. Following is the list of International experts on Disaster Management. Which one is out of the sequence ?
 - (A) Michael Prietula
 - (B) Nicholas Canfield Read Brown
 - (C) Lisa Briggs
 - (D) R.K. Pachauri
60. Who won the Nobel Prize for Man-made Climate Change ?
 - (A) Johan Rockström
 - (B) Wangari Maathai
 - (C) Al Gore
 - (D) All of these

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