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FOR KUET EXAM PREPARATION

KUET 2021 Question Paper · M.Sc. Disaster Management

EXAM	YEAR	TYPE	SUBJECT
KUET	2021	Question Paper	M.Sc. Disaster Management

Sr. No. 517

ENTRANCE TEST-2021

SCHOOL OF ENVIRONMENTAL & EARTH SCIENCES

DISASTER MANAGEMENT

Total Questions : 60
Time Allowed : 70 Minutes

Question Booklet Series A

Roll No. : | | | | | | |

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.

SS-5459–A

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1. In which phase of disaster, the damage assessment is properly done ?
   (A) Impact phase
   (B) Warning phase
   (C) Rehabilitation phase
   (D) Rescue phase

2. The conditions determined by physical, social, economic and environmental factors or processes, which increase the susceptibility of a community to the impact of hazard is the definition of vulnerability given by:
   (A) Hyogo Framework for Action
   (B) Sendai Framework for Action
   (C) IPCC
   (D) UNDP

3. The level of harm by a hazard is governed by:
   (A) Magnitude of the hazard
   (B) Frequency of the hazard
   (C) Intensity at the impact point
   (D) All of the above

4. There are nine tasks in the disaster management. All of the following are tasks of this model EXCEPT:
   (A) Assess secondary social problems such as health epidemics, displaced persons
   (B) Counsel those who have suffered trauma and bereavement
   (C) Control rumors, provide accurate information
   (D) Provide security; prevent looting, protect person and property

5. Vulnerability reduction plan is a participatory:
   (A) Bottom-up plan
   (B) Top-up plan
   (C) Both (A) & (B)
   (D) None of the above

6. Which two natural hazards have caused the most damage both in terms of loss of life and monetary losses over the past 50 years on a global scale ?
   (A) Hurricanes and volcanoes
   (B) Hurricanes and floods
   (C) Hurricanes and tornadoes
   (D) Hurricanes and earthquakes

7. Populations and their movements through time are a component of:
   (A) Social vulnerability
   (B) Environmental vulnerability
   (C) Physical vulnerability
   (D) Economic vulnerability

8. What phase of emergency management includes exercises and drills ?
   (A) Mitigation
   (B) Preparedness
   (C) Recovery
   (D) Response

9. Reconstruction is a strategy used in which stage of disaster mitigation ?
   (A) Post-disaster
   (B) Pre-disaster stage
   (C) During disaster
   (D) All the above

10. A clear concise document which outlines preventive and preparatory measures in the event of a disaster to minimize its effect is:
   (A) Disaster manual
   (B) Disaster guide
   (C) Disaster plan
   (D) Disaster record

11. According to UNDP the capacity building response must be created based on which of the following core issues ?

1. Institutional arrangements
2. Leadership
3. Knowledge
4. Accountability

Choose the correct combination among the following.

(A) 1, 2 and 3 only
(B) 2, 3 and 4 only
(C) 1, 3 and 4 only
(D) 1, 2, 3 and 4

12. Insurance is an example of:

(A) Risk likelihood reduction
(B) Risk transfer
(C) Risk acceptance
(D) Risk avoidance

13. The Chernobyl disaster which affected a huge patch of pine forest directly downwind of the reactor was given the name of:

(A) Red Forest
(B) Blue Forest
(C) Yellow Forest
(D) Green Forest

14. Which of the following was not the priority of action with respect to Disaster Risk Reduction of Hyogo Framework ?

(A) Reduce fundamental risk factors
(B) Identify, assess and monitor disaster risks
(C) Good governance, legal and policy framework
(D) Strengthen disaster preparedness for effective response at all levels

15. The Strategy for a Safer World: Guidelines for Natural Disaster Prevention, Preparedness and Mitigation and its Plan of Action was adopted in which of the following ?

(A) Hyogo Framework for action
(B) Sendai Framework for action
(C) Disaster Management Act
(D) Yokohama Strategy

16. Choose the wrong statement among the following statements:

(A) World Conference on Disaster Management in May 1994 was subsequently called the Yokohama Strategy and Plan of Action for a Safer World
(B) The issue of Natural Disaster was raised at the U.N. General Assembly in 1992 and was finally formalised at the World Conference on Disaster Management in 1994
(C) The Tropical cyclone of 1971 in India is the deadliest one till date
(D) Unscientific land use and construction activities in fragile areas are some of the disasters that are the results of indirect human actions

17. The BIMSTEC Disaster Management Exercise 2020 was held in which of the following cities ?

(A) Hyderabad, Telangana
(B) Kochi, Kerala
(C) Puri, Odisha
(D) Chennai, Tamil Nadu

18. Seven "global targets" to measure progress against the expected outcome of a disaster is:

(A) Characteristic of Disaster Management Act
(B) Characteristic of Yokohama Strategy
(C) Characteristic of Hyogo Framework for Action
(D) Characteristic of Sendai Framework for Action

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19. When was the Disaster Management Act, 2005 made effective from ?
(A) October 23, 2005
(B) November 23, 2005
(C) December 23, 2005
(D) August 23, 2005

20. Sendai Framework for action was adopted after the:
(A) Hyogo Framework for Action
(B) Yokohama declaration
(C) Agenda-21
(D) None of the above

21. How many countries have adopted the Sendai Framework for action ?
(A) 155
(B) 167
(C) 177
(D) 187

22. The headquarters of 7th Battalion NDRF is located at:
(A) Guwahati
(B) Bhatinda
(C) Pune
(D) Varanasi

23. Sendai Framework for action is a:
(A) 15 year agreement
(B) 10 year agreement
(C) 8 year agreement
(D) 3 year agreement

24. How many battalions of SDRF are operational in J & K ?
(A) Six
(B) Four
(C) Three
(D) Two

25. Which among the following countries first reached the 'Dark Side' of the Moon:
(A) USA
(B) India
(C) China
(D) Russia

26. Which space agency is planning to launch the world's 1st all civilian Earth Orbiter Mission, "Inspiration 4" ?
(A) SpaceX
(B) European Space Agency
(C) NASA
(D) ISRO

27. Which method is most effective for the decontamination of individuals ?
(A) Bleach and water
(B) Soap and water
(C) Dry brush
(D) Charcoal

28. Among the following statements which one of them is incorrect ?
(A) The asthenosphere rises close to the surface beneath mid-ocean ridges
(B) The asthenosphere is partially molten
(C) The asthenosphere lies beneath the lithosphere
(D) The asthenosphere is stronger than the lithosphere

29. Which of the following gas has the highest percentage contribution in global warming ?
(A) Nitrous oxide
(B) Chlorofluorocarbon
(C) Carbon dioxide
(D) Sulphur dioxide

30. Which of the following statements regarding the inner core of the earth is correct ?
(A) Primary S waves (those generated at the focus of an event) travel through the inner core
(B) P waves travel through the inner core at a higher velocity than S waves travel through the inner core
(C) P waves do not travel through the inner core
(D) The inner core is thought to be a liquid

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31. The movement of energy and nutrients through living systems are different because:
(A) Energy forms chemical compounds and nutrients are lost as heat
(B) Nutrients flow in one direction and energy recycles
(C) Energy is limited in the biosphere and nutrients are always available
(D) Energy flows in one direction and nutrients recycle

32. Xenobots, which were seen in the news recently, are robots developed from the stem cells of which organism ?
(A) Rabbit
(B) Frog
(C) Sheep
(D) Crocodile

33. As per a recent report available on Global Forest Watch, which region lost about 12.2 million hectares of tree cover in 2020 ?
(A) Tropical Region
(B) Temperate Region
(C) Sub-Tropical Region
(D) Equatorial Region

34. Communication bandwidth that has the highest capacity and is used by microwave, cable and fibre optic lines is known as:
(A) Hyper-link
(B) Carrier wave
(C) Buswidth
(D) Broadband

35. Which of the following is the correct data storage hierarchy ?
(A) Bits, bytes, records, fields, files and databases
(B) Bits, bytes, fields, records, files and databases
(C) Bits, bytes, fields, files, records and databases
(D) Bytes, bits, fields, records, files and databases

36. The acronym "NMEICT" stands for:
(A) National Mission on E-learning through ICT
(B) National Mission on E-governance through ICT
(C) National Mission on Education through ICT
(D) National Mission on E-commerce through ICT

37. What kind of climatic region is predominantly found in north-east region of India ?
(A) Sub-tropical wet and dry climate
(B) Tropical wet and dry climate
(C) Tropical wet climate
(D) Littoral climate

38. Among the following, identify the list of States which are prone to cyclones during retreating monsoon season:
(A) Karnataka and Kerala
(B) Andhra Pradesh and Orissa
(C) Bihar and Assam
(D) Punjab and Haryana

39. How many hectares of Indian land are prone to floods and river erosion ?
(A) Around 25 million hectares
(B) Around 30 million hectares
(C) Around 35 million hectares
(D) Around 40 million hectares

40. Which of the following conditions are conducive for the formation of tropical cyclones ?
1. Large and continuous supply of warm and moist air
2. Large value of Coriolis force
3. Inflow of air at upper level of atmosphere

Select the correct answer using the codes given below.
(A) 1 and 3 only
(B) 2 and 3 only
(C) 1 and 2 only
(D) 1, 2 and 3

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41. Which Act provides for setting up of National Biodiversity Authority (NBA) ?
(A) Wildlife Act, 1972
(B) Biodiversity Act, 2002
(C) Environmental Protection Act, 1982
(D) Forest Convention Act, 1980

42. Which one of the following regions is structurally the most stable one ?
(A) The Deccan Plateau
(B) The Gangetic Plain
(C) The Punjab Plain
(D) The Himalayas

43. Which of the following is not a possible outcome of mismanaging forest resources ?
(A) Habitat loss
(B) Soil loss
(C) Regional climate change
(D) Selective harvesting

44. What are the benefits of implementing the 'Integrated Watershed Development Programme' ?
1. Prevention of soil runoff
2. Linking the country's perennial rivers with seasonal rivers
3. Rainwater harvesting and recharge of groundwater table
4. Regeneration of natural vegetation
Select the correct answer using the code given below.
(A) 1, 2, 3 and 4
(B) 1, 3 and 4 only
(C) 2, 3 and 4 only
(D) 1 and 2 only

45. Which of the following is known as 'Water Man', who has developed a technique for harvesting rainwater and also revived the age-old technique of collection of rainwater in dams to increase water table in India ?
(A) Rajendra Singh
(B) K.R. Majumdar
(C) H.N. Misra
(D) M. Sundaram

46. Which of the following is not a viable protection against deforestation ?
(A) Environmental education
(B) Boycott products of companies involved in deforestation
(C) Privatisation of forest land
(D) Reduce the consumption of forest and related products

47. The resources in which there is a natural replenishment at a non-negligible rate are known as:
(A) Recyclable resources
(B) Renewable resources
(C) Depletable resources
(D) Environmental resources

48. Which among the following district of J & K does not fall in the Seismic Zone V ?
(A) Anantnag
(B) Kishtwar
(C) Kupwara
(D) Kathua

49. Which global technological company was first to launch a web portal which tracks COVID-19 infections worldwide ?
(A) Amazon
(B) Microsoft
(C) Facebook
(D) Google

50. Where will be United Nations (UN) Climate Conference also known as COP 26 held in 2021 ?
(A) Brisbane, Australia
(B) Madrid, Spain
(C) Glasgow, United Kingdom
(D) Rome, Italy

51. Who has won the Booker Prize 2020 for his debut novel "Shuggie Bain" ?
(A) Margaret Atwood
(B) Marieke Lucas Rijneveld
(C) James Kelman
(D) Douglas Stuart

52. "Shantir Ogroshena-2021" is a joint Military exercise between India and which other country ?
(A) Bangladesh
(B) Afghanistan
(C) Israel
(D) Turkey

53. Which of the Indian Journalist has won 2020 Pulitzer award in feature photography ?
(A) Channi Anand
(B) Dar Yasin
(C) Mukhtar Khan
(D) All the above

54. Which among the following institutions received the Subhas Chandra Bose Aapda Prabandhan Pursakar 2021 award for their contribution in Disaster Management ?
(A) Tata Institute of Social Sciences
(B) UN Office for the coordination of Humanitarian Affairs
(C) Sustainable Environment and Ecological Development
(D) Human Empowerment Organisation

55. What is the name of the latest earth observation satellite launched by ISRO in November, 2020 along with 9 international customer satellites from Andhra Pradesh ?
(A) G Sat-30
(B) India Sat
(C) KALAM SAT
(D) EOS-1

56. Marcelo Rebelo de Sousa has been recently elected the President of which of the following countries for the consecutive second time ?
(A) Portugal
(B) Hungary
(C) Poland
(D) Belgium

57. Which one of the following article deals with the appointment of the Prime Minister and other ministers ?
(A) Article 76
(B) Article 75
(C) Article 74
(D) Article 72

58. Which age group is included to calculate Child Sex Ratio in India ?
(A) 0-6 years
(B) 1-6 years
(C) 0-5 years
(D) 0- 6 months

59. Who authored the book titled "Pandemonium: The Great Indian Banking Tragedy" ?
(A) Anand Neelakantan
(B) Vikas Khanna
(C) Tamal Bandyopadhyay
(D) Pradeep Srivastava

60. The 'satellite freight city' is being developed near which of the following cities in India ?
(A) New Delhi
(B) Kolkata
(C) Pune
(D) Gurgaon

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