



UNIVERSITY OF CALICUT

**Abstract**

General and Academic - UG Programmes under CBCSS UG Regulations 2019 with effect from 2019 Admission onwards- Syllabus of Audit Course-Disaster Management- Implemented- Orders Issued

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**G & A - IV - J**

U.O.No. 11725/2019/Admn

Dated, Calicut University.P.O, 30.08.2019

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*Read:-*1. U.O.No. 4368/2019/Admn dated 23.03.2019

2. The minutes of the meeting of the Board of Studies in Geology on 10.06.2019

3. Item No. I.27 in the minutes of the meeting of Faculty of Science held on 27.06.2019

ORDER

The Regulations for Choice Based Credit and Semester System for Under Graduate (UG) Curriculum- 2019 (CBCSS UG Regulations 2019) for all UG Programmes under CBCSS-Regular and SDE/PrivateRegistration w.e.f. 2019 admission has been implemented vide paper read first above. As per the Clause 4.10 of the CBCSS UG Regulations 2019, there shall be one Audit course each in the first four semesters.

The meeting of Board of Studies in Geology held on 10/06/2019 has approved the Syllabus of Audit course - Disaster Management for all UG programmes in tune with the new CBCSS UG Regulations with effect from 2019 Admission onwards, vide paper read second above.

The Faculty of Science at its meeting held on 27/06/2019 has approved the minutes of the meeting of the Board of Studies in Geology held on 10/06/2019, vide paper read third above.

Under these circumstances , considering the urgency, the Vice Chancellor has accorded sanction to implement the Scheme and Syllabus of Audit Course- Disaster Management in accordance with the new CBCSS UG Regulations 2019, in the University with effect from 2019 Admission onwards, subject to ratification by the Academic Council.

The Scheme and Syllabus of Audit Course- Disaster Management in accordance with CBCSS UG Regulations 2019, is therefore implemented in the University with effect from 2019 Admission onwards.

Orders are issued accordingly. (Syllabus appended)

Biju George K

Assistant Registrar

To

The Principals of all Affiliated Colleges

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Section Officer

# **UNIVERSITY OF CALICUT**

**SCHEME & SYLLABUS of**

**AUDIT COURSE-DISASTER MANAGEMENT**

**(CBCSS-UG – REGULATION-2019)**

**2019 Admission Onwards**

## **AUD2E02 DISASTER MANAGEMENT**

### **Module 1:**

Introduction – Hazard and Disaster. Concepts of Hazard, Vulnerability, Risks. Different Types of Disaster : A) Natural Disaster: such as Flood, Cyclone, Earthquakes, Landslides etc B) Man-made Disaster: such as Fire, Industrial Pollution, Nuclear Disaster, Biological Disasters, Accidents (Air, Sea, Rail & Road), Structural failures(Building and Bridge), War & Terrorism etc. Slow Disasters (famine, draught, epidemics) and Rapid Onset Disasters(Air Crash, tidal waves, Tsunami) Causes, effects and practical examples for all disasters.

Water and Climate Disaster: flood, hail storms, cloudburst, cyclones, heat and snow avalanches, cold waves, droughts, sea erosion, thunder and lightning. Geological Disaster: landslides, earthquakes, Tsunami, mine fires, dam failures and general fires. Biological Disaster: epidemics, pest attacks, cattle epidemic and food poisoning. Nuclear and Industrial Disaster: chemical and industrial disasters , nuclear accidents. Accidental Disaster: urban and forest fires, oil spill, mine flooding incidents, collapse of huge building structures.

### **Module 2:**

Natural disasters- Earthquakes, Tsunami, Floods, Drought, Landslides, Cyclones and Volcanic eruptions. Their case studies. Coastal disasters. Coastal regulation Zone.

Risk and Vulnerability Analysis 1. Risk : Its concept and analysis 2. Risk Reduction 3. Vulnerability : Its concept and analysis 4. Strategic Development for Vulnerability Reduction

. Disaster Prevention and Mitigation. Refugee operations during disasters, Human Resettlement and Rehabilitation issues during and after disasters, Inter-sectoral coordination during disasters, Models in Disasters.

### **Module 3:**

Disaster Preparedness and Response Concept and Nature Disaster Preparedness Plan Prediction, Early Warnings and Safety Measures of Disaster. Role of Information, Education, Communication, and Training,

Disaster Management : Role of Government, International and NGO Bodies. Role of IT in Disaster Preparedness Role of Engineers on Disaster Management. Response Disaster Response : Introduction Disaster Response Plan Communication, Participation, and Activation of Emergency Preparedness Plan Search, Rescue, Evacuation and Logistic Management Role of Government, International and NGO Bodies Psychological Response and Management (Trauma, Stress, Rumor and Panic) Relief and Recovery Medical Health Response to Different Disasters.

#### **Module 4:**

Rehabilitation, Reconstruction and Recovery Reconstruction and Rehabilitation as a Means of Development. Damage Assessment Post Disaster effects and Remedial Measures. Creation of Long-term Job Opportunities and Livelihood Options, Disaster Resistant House Construction Sanitation and Hygiene Education and Awareness, Dealing with Victims' Psychology, Long-term Counter Disaster Planning Role of Educational Institute.

#### **Module 5:**

The vulnerability atlas of India. Disaster Prevention and Mitigation. Agencies involved in Disaster Management. Warning and Prediction

#### **Essential Reading:**

1. Pandey, M., 2014. Disaster Management, Wiley India Pvt. Ltd., 240p.
2. Tushar Bhattacharya, Disaster Science and Management, McGraw Hill Education (India) Pvt. Ltd
3. Jagbir Singh, Disaster, Management: Future Challenges and Opportunities, K W Publishers Pvt. Ltd.
4. J.P. Singhal, Disaster Management, Laxmi Publications
5. C. K. Rajan, Navale Pandharinath, Earth and Atmospheric Disaster Management : Nature and Manmade, B S Publication
6. Shailesh Shukla, Shamna Hussain, Biodiversity, Environment and Disaster Management, Unique Publications

Question Bank of 2 Semester Degree  
Audit Course - 2E02 : Disaster Management

1. Man-made disasters include: (Answer : D)  
a) Wars b) Terrorism c) Industrial hazard d) All of the above
2. 2001 Terrorist attack in America is referred as: (Answer : A)  
a) 9/11 b) 11/9 c) 10/11 d) 11/01
3. A \_ is the form of rapid mass movement of earthy matters. (Answer : C)  
a) Solifluction b) Creep c) debris flow d) Lahars
4. A fractal system is one that involves which of the following? (Answer : B)  
a) similarity in form at a wide range of scales b) completely unrelated processes that interact to produce an event c) closely related processes that interact to produce a larger event d)
5. A hazard is a situation where there is (Answer : B)  
a) Threat of natural calamity b) Threat to property and lives from calamities c) Threat for consequences of disaster d) All of the above
6. A hazard: (Answer : D)  
a) A is a potentially damaging physical event, phenomenon, or human activity b) B) may cause the loss of life or injury, property damage, c) C) may generate social and economic disruption or environmental degradation. d) D) all of the above
7. A stream with too much bed load will usually have what type of channel pattern? (Answer : C)  
a) straight b) meandering c) braided d) dendritic
8. According to U. N. O. there were about \_\_\_\_\_ disasters per year between 1992 - 2000 in the world? (Answer : C)  
a) 100 b) 300 c) 500 d) 800
9. According to World Disasters Report of 2010, during 2000-09, 85% of affected people belonged to the? (Answer : A)  
a) Asia Pacific Region b) African region c) Japan region d) Australian region
10. An active volcano Mauna Loa is located in: (Answer : A)  
a) Hawaii, USA b) Brazil c) Japan d) None of the above
11. An effect that natural disasters can have on people affected by the event is an increased rate of (Answer : C)  
a) homicide b) immigration c) population growth d) all of these
12. An example of Civil war is (Answer : C)  
a) A. Kargil war b) B. World war I c) C. Syrian war d) D. None of the above
13. An example of natural disaster is : (Answer : D)  
a) Tsunami b) Flood c) Storm d) All of these
14. An extreme natural phenomenon capable of causing disaster leading to loss of lives or damage to property is known as- (Answer : A)  
a) (a) Natural hazard b) (b) Hazard calculation c) (c) Desertification d) (d) None of the above

15.	An important water contaminant is: (Answer : B) a) (a) Heavy metals b) (b) Nitrogen oxides c) (c) Carbon monoxide d)(d) NO <sub>2</sub> and SO <sub>2</sub>
16.	Approximate range of earthquakes that occur each year is (Answer : B) a) hundreds b) thousands c) millions d)billions
17.	Approximately ----- % of earth's surface is covered with water. (Answer : D) a) a) 80 b) b) 60 c) c) 55 d)70
18.	Area of Indian coastline which is vulnerable to storm surges, cyclones and tsunamis is? (Answer : A) a) a. 5700 Km b) b. 3700km c) c. 2700km d)d. 4700km
19.	Areas of cities that are subjected to significant natural hazards should be used for which of the following? (Answer : C) a) a. office buildings because they can withstand the effects of the hazard b) b. inexpensive single-family houses c) c. parks and golf courses d)d. shopping malls
20.	As the discharge in a stream increases, load usually (Answer : A) a) a. increases b) c. stays the same c) b. decreases d)d. none of the above
21.	Catastrophic natural disaster losses in developed countries involve which of the following? (Answer : B) a) a. large numbers of deaths b) b. large financial costs to individuals and companies c) c. primarily losses borne by insurance companies d)d. large numbers of deaths and large financial costs
22.	Channelization of streams is designed to reduce flooding by ..... (Answer : A) a) a) Speeding the passage of floodwaters b) b) Reducing bank erosion c) c) Slowing down river velocity so as to reduce damage d)d) Increase the meandering of streams
23.	Disaster at Chernobyl (USSR), Three Mile Island (USA), and Fukusima (JAPAN) are all related to: (Answer : C) a) (a) Disaster caused by earthquake b) (b) Disaster caused by Tsunami c) (c) Nuclear disaster d)(d) Epidemic disaster
24.	Disaster is an event arising out of (Answer : A) a) Result of hazard event b) Causes of hazard event c) Causes of disaster event d)All of the above
25.	Disasters can be categorized into various types on the basis of? (Answer : D) a) a. Its speed b) b. Its previous history c) c. Loss of property they result d)d. Loss of human life they result
26.	Downhill movement of earth is mainly caused by (Answer : B) a) a. Monsoon failure b) b. rain c) c. drought d)d. pollution.
27.	Drought is often identified by sunny days and hot weather. (Answer : B) a) a) Meteorological drought b) b) Hydrological drought c) c) Agricultural drought d)d) Socio-economic drought
28.	Drought unequal distribution of food increased population and flooding are causes of (Answer : D) a) a) Typhoid b) b) dengue fever c) c) malaria d)d) famine
29.	Equator is a region of ----- pressure while poles are regions of ----- pressure (Answer : B) a) a) High, low b) b) Low, high c) c) Low, low d)d) High, high
30.	Etna volcano are located in- (Answer : B) a) a) Japan b) b) Italy c) c) India d)d) Iran

31.	Example of anthropogenic hazards are: (Answer : A) a) (a) Chemical explosion b) (b) Earthquake c) (c) Flood d)(d) Wild fire
32.	Example of Civil War is: (Answer : A) a) (a) Syrian War b) (b) World War I&II c) (c) Kargil War d)(d) Vietnam-US War.
33.	Flood can not occur due to (Answer : D) a) a. Cyclone b) b. Tsunami c) c. Heavy rain d)d. Biological disaster
34.	From the following, which one is the natural hazard? (Answer : D) a) A) Earthquake b) B) Cyclone c) C) Landslide d)D) All the above
35.	From where earth quake waves are generated? (Answer : A) a) Focus b) Epicenter c) Solid inner Core d)None of these
36.	Geologists consider the Earth to be 4.6 billion years old. If you counted to 4.6 billion by counting one number every second how long would it take? (Answer : B) a) 32 years B b) 146 years C c) 14,600 years D d)1000 years
37.	Hazards and Disasters are mainly classified as (Answer : B) a) Physical and chemical b) Natural and Human induced c) Physical and Human d)Social and cultural
38.	High vulnerability and high hazard are associated with (Answer : C) a) Low disaster risk b) medium disaster risk c) high disaster risk d)None of the above
39.	How many types of Hazards are there- (Answer : B) a) a) 1 b) b) 2 c) c) 4 d)d) 5
40.	Human induced hazards can be classified into - (Answer : C) a) a) 2 b) b) 3 c) c) 5 d)d) 4
41.	Hurricanes are common in (Answer : C) a) A. India b) B. Bangladesh c) C. USA d)D. Australia
42.	Hurricanes cyclone are formed in- (Answer : A) a) a) U.S.A b) b) British Island c) c) Japan d)d) India
43.	If a dam is removed, then upstream from the former dam the river responds by (Answer : A) a) downcutting (lowering its bed) b) b) raising its bed c) avulsion d)becoming a braided stream
44.	If the deficiency of a particular year's rainfall exceeds 25% of normal it is termed as (Answer : A) a) a) Onset Of Drought b) b) Moderate Drought c) c) Severe Drought d)c) none of the above.
45.	If the deficiency of a particular year's rainfall more than 50 % of normal it is termed as (Answer : C) a) a) Onset Of Drought b) b) Moderate Drought c) c) Severe Drought d)c) none of the above.
46.	If the seafloor is suddenly displaced upward, then what happens to the sea surface? (Answer : C) a) a. It will subside b) b. It will remain unchanged c) c. It will momentarily rise d)d. Nothing will happen
47.	In which date tsunami occurred in Indonesia - (Answer : C) a) a) 24 April b) b) 26 March c) c) 26 Dec d)d) 27 Dec

48. (Answer : C) Earthquake	In which earthquake, the stones on the roads of Shillong as said to have "vibrated like peas on a drum"? a) (a) Cachar Earthquake    b) (b) Latur Earthquake    c) (c) Great Earthquake of Assam    d)(d) Bhuj
49. (Answer : C)	In which year the violent explosion of the famous Volcano, Krakatoa in Indonesia, produced Tsunamis measuring 40 feet? a) a. 1881    b) b. 1882    c) c. 1883    d)d. 1884
50.	Increase in carbon dioxide in atmosphere causes (Answer : A) a) (i) Rise in earth temperature    b) (ii) fall in earth temperature    c) (iii) Uniform earth temperature d)(iv) increase in ultraviolet rays
51. hazard	Industrial hazards comes under the category of: (Answer : B) a) (a) Natural hazards    b) (b) Human induced hazards    c) (c) Meteorological hazard    d)(d) Wild fire
52.	is a downward movement of wet soil along the slopes under the influence of gravity. (Answer : D) a) a. Creep    b) b. Lahars    c) c. Debris flow    d)d. Solifification
53.	is ash from a volcanic mixer with water to form a thick river of mud. (Answer : A) a) a. Lahars    b) b. Solifification    c) c. Debris flow    d)d. Creep
54.	is extremely slow downward movement of dry surfacial matters. (Answer : B) a) a. Lahars    b) b. Creep    c) c. Solifification    d)d. Debris flow
55. above	Major tsunamis are generated by earthquakes along (Answer : B) a) a. Divergent margins    b) b. Convergent margins    c) c. Transform margin    d)d. None of the
56.	Major tsunamis are produced by earthquakes with hypocenters less than (Answer : D) a) a. 5 km    b) b.10 km    c) c.20 km    d)d.30 km
57.	Mention the major type of Tropical cyclone - (Answer : C) a) a) Hurricans    b) b) Typhoons    c) c) Tornadoes    d)d) All of these
58.	Meteorological drought means (Answer : D) a) a) Deficit of rainfall more than 50 per cent of normal.    b) b) Leads to reduction of natural stream flows or ground water levels    c) c) Level in soil is insufficient to maintain average crop yields    d)d) Correlates the supply and demand of goods and services
59.	Most major tsunamis are produced by earthquakes with magnitudes greater than (Answer : B) a) a) 6    b) b) 7    c) c) 8    d)d) 9
60.	Most natural disasters are which of the following? (Answer : B) a) b. rarely if ever cyclic because there are too many overlapping effects    b) c. completely random in that they involve processes that we cannot hope to understand    c) d. interactions between two closely related events d)
61. rivers	Most of the damage done by floods in the U.S. occurs (Answer : A) a) a. on floodplains    b) b. in small tributaries    c) c. in delta regions    d)d. on uplands along major
62.	Mount Kilimanjaro is the best example of: (Answer : B) a) a) Active volcano    b) b) Dormant volcano    c) c) Extinct volcano    d)d) None of them



63.	Movement of earthquake waves through the ground can produce (Answer : C) a) a. Solification b) b. Creep c) c. Liquefaction d)d. Lahars
64.	Movement of heavy vehicles on the unstable sloppy region creates (Answer : D) a) a. Earth quake b) b. flood c) c. volcano d)d. landslide.
65.	Mt. Etna is a: (Answer : C) a) a) Extinct volcano b) b) Dormant volcano c) c) Active volcano d)d) None of these
66.	Natural disasters generally involve which of the following? (Answer : B) a) b. events that involve overlapping natural causes b) c. events wholly caused by the activities of man c) d. events that are unaffected by the activities of man d)
67.	Non-living factors of ecosystem are called (Answer : A) a) abiotic components b) biotic components c) biosphere components d)ecologycomponents
68.	Of the following, which is a natural hazard? (Answer : D) a) a. Earthquake b) b. Cyclone c) c. Landslide d)d. All the above
69.	Of the total water percentage in earth ----- % is a fresh water level that we can use (Answer : A) a) a) 2.5 b) b) 1 c) c) 5 d)d) 10
70.	One of the main reasons for farmers commit suicide in India is (Answer : A) a) A. Crop failure b) B. Earthquake c) C. Tsunami d)D. All of the above
71.	Pandemic disease is defined as: (Answer : A) a) (a) Outbreak of a disease in international scale b) (b) Outbreak of a disease beyond the area of a disease c) (c) congestion in urban areas. d)
72.	Pandemic diseases include: (Answer : D) a) (a) Cholera b) (b) Small pox c) (c) Tuberculosis d)(d) All of the above
73.	People live in dangerous areas for what reasons? (Answer : D) a) a. because of cheap land b) b. because the land is fertile c) c. for proximity to recreational opportunities d)d. for all of these reasons
74.	Percentage of earth surface which is covered by oceans and seas is (Answer : B) a) a) 50% b) b) 65% c) c) 85 % d)d) 97 %
75.	Percentage of Indian total area prone to cyclone is (Answer : B) a) a) 6% b) b) 8% c) c) 10% d)d) 12%
76.	Percentage of surface of earth is covered by water is (Answer : A) a) a) 70% b) b) 85 % c) c) 90 % d)d) 60 %
77.	Poorly built buildings may collapse at a scale of (Answer : B) a) 5 b) 6 c) 7 d) 8
78.	Process of photosynthesis converts solar energy into the (Answer : B) a) hydro energy b) chemical energy c) mechanical energy d) tidal energy
79.	Raima and Sarma are the tributaries of: (Answer : B) a) a) Muhuri b) b) Gomati c) c) Khowai d)d) Haora

80.	Sahel region of West Africa known for (Answer : D) a) A. Recurring drought b) B. Food crisis c) C. Famine d)D. All of the above
81.	TB disease generally affects of- (Answer : C) a) a) Kidney b) b) Stomach c) c) Lungs d)d) Skin
82.	Terrorist attack known as 9/11 took place in (Answer : B) a) (a) India b) (b) USA c) (c) UK d)(d) None of the above.
83.	Tertiary consumers that are fed on primary carnivores are also known as (Answer : B) herbivores a) A.primary carnivores b) b.tertiary carnivores c) c.secondary carnivores d)d.secondary
84.	The 1960 Chile earthquake (MW 9.5) is significant because (Answer : B) a) Charles Darwin observed it and wrote about it. B b) It is the largest earthquake ever measured. c c) Maximum people died d d)all the above
85.	The Chernobyl disaster of 1986 in Ukraine was a case of (Answer : C) a) Epidemic disaster b) Toxic gas disaster c) Nuclear disaster d)None of the above
86.	The common factors of wildfire hazards are: (Answer : D) a) A. Lightning b) B. Volcanic eruption c) C. El-nino d)D. All of the above
87.	The cycle of disaster consists of the following components (Answer : A) a) A. Mitigation, Preparedness, Response, Recovery b) B. Preparedness, vulnerability assessment, risk assessment, recovery c) C. Mitigation, Risk assessment, Response and Recovery d)D. None of the above
88.	The cyclone "SIDR" hit Bangladesh in? (Answer : B) a) a. 2009 b) b. 2007 c) c. 2008 d)d. 2006
89.	The direction of air flow is also affected by Earth's rotation. It is called (Answer : A) a) Coriolis Effect b) El-nino Effect c) La Nina Effect d)Greenhouse Effect
90.	The disease that swept a large part of Asia, Europe and Africa in the 14th century is: (Answer : A) a) (a) Plague b) (b) Small pox c) (c) Tuberculosis d)(d) Influenza
91.	The doldrums is an area of (Answer : B) a) Low temperature b) low pressure c) low rainfall d)low humidity
92.	The flooding of New Orleans in 2004 was caused by (Answer : C) a) an earthquake b) a tsunami c) a hurricane d)a tornado
93.	The highest volcanic mountain in the world is (Answer : B) a) A. Mauna Lao b) B. Cotopaxi c) C. Vesuvius d)D. None of the above
94.	The land slide surfaces of separation by (Answer : D) a) a. Falling b) b. Sliding c) c. Flowing d)d. All the above Ans:
95.	The largest floods in prehistoric times were probably the result of (Answer : C) a) a. very heavy rainfall b) b. hurricanes c) c. ice dam failures d)d. meteorite impacts
96.	The level of harm by a hazard is governed by (Answer : D) a) a. Magnitude of the hazard b) b. Frequency of the hazard c) c. Intensity at the impact point d)d. All of the above

97.	The level of risk of a disaster depends on (Answer : D) a) a. Nature of the hazard b) b. Vulnerability of the elements which are affected c) c. Economic value of the elements which are affected d)d. All of the above
98.	The lowest level to which a stream may erode is called (Answer : A) a) base level b) b) gradient c) velocity d) d)discharge
99.	The monsoon has well developed cycle in (Answer : A) a) south and south east asia b) North Australia c) Africa d)East united state
100.	The most calm part of the tropical cyclone is (Answer : B) a) A. Limb b) B. Eye c) C. Periphery d)D. None of the above
101.	The most catastrophic weather or climate related disasters in terms of lives lost are (Answer : A) a) a)droughts b) b)severe storms c) c)floods d)d)tornadoes
102.	The most essential item that the disaster stricken populations must be provided with is (Answer : B) a) Shelter material b) Drinking water c) Fuel d)All of the above
103.	The mount Vesuvius is the example of a/an (Answer : B) a) A. Active volcano b) B. Dormant volcano c) C. Extinct volcano d)D. None of the above
104. (Answer : C)	The movement of earthy materials from higher region to lower region due to gravitational pull is called a) a. Earth quake b) b. soil erosion c) c. landslide d)d. cyclone
105.	The name of the largest active volcano is (Answer : A) a) (a) Mauna Loa in Hawaii b) (b) Mount Washington in USA c) (c) Mount Fuji in Japan d)(d) Barren Island in India
106.	The North-East India is seismically one of the six most active regions of the world along with the other five zones of (Answer : A) a) a. Mexico, Taiwan, California, Japan and Turkey b) b. Taiwan, Mexico, Australia, New Zealand and Syria c) c. Japan, Taiwan, China, South Korea and North Korea d)d. Turkey, Japan, Vietnam, Laos and Cambodia
107.	The number of tsunami waves generated by one earthquake is generally: (Answer : B) a) a. one b) b. 10 or 12 c) c. about 50 d)d. about 100-120
108.	The paper ball kept near the mouth of a plastic bottle will be pushed out because (Answer : B) a) a. the air pressure inside the bottle is same as that at the mouth b) b. the air pressure inside the bottle is more than that at the mouth c) c. the air pressure inside the bottle is less than that at the mouth d)d. the pressure inside and outside the bottle same.
109.	The phrase WEAPONS OF MASS DESTRUCTION entered widespread usage in? (Answer : A) a) a. 2003 b) b. 2001 c) c. 2002 d)d. 2004
110.	The process of identifying the probability of occurrence of a natural hazard of a given intensity at a specific location based on an analysis of natural processes and site conditions is termed as- (Answer : B) a) (a) Disaster calculation b) (b) Hazard Assessment c) (c) Hazard calculation d)(d) None of the above
111.	The slope forming materials composed of _ (Answer : D) a) a. Rocks b) b. Soils c) c. Artificial fills d)d. All the above Ans:
112.	The state lies in west coast is (Answer : A) a) a) Karnataka b) b) Tamilnadu c) c) Andhra Pradesh d)d) West Bengal

113.	The surface falling or sliding, _ from one place to another. (Answer : C) a) a. Slowly b) b. Quickly c) c. Either Slowly or Quickly d)d. None
114.	The term 'disaster' is derived from which of the following language? (Answer : C) a) a. Greek b) b. Latin c) c. French d)d. Arabic
115.	The term "Cyclone " is derived from? (Answer : A) a) a. Greek Word b) b. French Word c) c. Latin Word d)d. Chinese Word
116.	The term "Disaster" is derived from which of the language (Answer : D) a) (a) French b) (b) Arabic c) (c) Latin d)(d) Greek
117.	The term cyclone means- (Answer : B) a) a) Coil of tiger b) b) Coil of snake c) c) Coil of lion d)d. Coli of pig
118.	The term Influenza implies to (Answer : B) a) Groin b) Flu c) Both a and b d)None of these
119.	The term Tsunami is coined from? (Answer : D) a) a) Chinese term b) b) Indian term c) German term c) Answer: Japanese term d)d) Japanese term
120.	The terrorist attack in Mumbai took place on (Answer : D) a) A.2005 b) B.2006 c) C.2007 d)D. 2008
121.	The theory of plate tectonics states that rigid "plat"s are"driven by forces within the Earth and interact by (Answer : D) a) colliding with each other B b) pulling apart from each other C c) sliding past each other D d)answers A, B, and C
122.	The tsunami that killed over 250,000 people in south and southeast Asia in 2004 was caused by (Answer : B) a) a. a volcanic explosion b) b. an earthquake c) c. a hurricane d)d. a tropical storm
123.	The twin tower of world trade centre in USA was destroyed by terror attack in the year (Answer : B) a) A. 2000 b) B. 2001 c) C. 2008 d)D. None of the above
124.	The two atom bombs dropped in Hiroshima and Nagashaki in Japan by USA during (Answer : B) a) A. World war I b) B. World war II c) C. Gulf war I d)D. Gulf war II
125.	The type and degree of flooding is influenced by many factors, such as (Answer : D) a) (a) Climatological b) (b) Hydrological and environmental conditions c) (c) Local geomorphology of the flood plain d)(d) All of the above
126.	The type of energy that shakes the Earth during an earthquake is produced by (Answer : C) a) gravitational attraction B b) density variations C c) shock waves D d)heat
127.	The typical examples of man-made disasters are (Answer : D) a) Chemical explosion b) Leakage of toxic waste c) War and civil strife d)All of the above
128.	The vector of zika virus is (Answer : C) a) A. Aedes egypiti b) B. Aedes albopictus c) C. Both a &b d)D. Different species of mosquitoes
129.	The word disaster comes from (Answer : A) a) Greek word B b) Latin word C c) French word D d)German

130.	The word disaster owes its origin from (Answer : D) a) (a) Greek word b) (b) Latin word c) (c) French word d)(d) German word
131.	The word has been derived from Arabic word "Mausam" which means season. The word is (Answer : B) a) Bearish b) Monsoon c) ElNino d)Typhoon
132.	The word Hazards originated from- (Answer : C) a) a) Latin word b) b) Greek word c) c) French word. d)d) Indian word
133.	The word Tsunami has been derived from (Answer : C) a) A. French word b) B. Latin word c) C. Japanese word d)D. Greek word
134.	There has been little rain for months (Answer : A) a) a)drought b) b) cyclone c) c) earthquake d)d) landslide
135. (Answer : C)	To prevent landslide, improving the cultivation in the sloppy region, the roots of which Provide effect. a) a. Erosion b) b. coherent c) c. cohesion d)d. flood.
136.	Tremors that have occurred in Earths crust are known as (Answer : A) a) A. Earthquakes b) B. Volcanic eruptions c) C. Bed eruptions d)D. Volcano-Earth Quake
137.	Tuberculosis generally affects (Answer : C) a) A. Kidney b) B. Stomach c) C. Lungs d)D. Skin
138.	Typhoid causing bacteria - (Answer : B) a) a) Shigella b) b) Salmonella c) c) HIV d)d) HCV
139.	Typhoons cyclone are formed in - (Answer : B) a) a) India b) b) China c) c) Philipines d)d) Japan
14-0.	U.N. Disaster Management Team UNDMT is responsible for solving problems resulting from disasters in? (Answer : D) a) a. India b) b. Iran c) c. Bangladesh d)d. All countries the world
14-1.	Ultimate consequences of war are (Answer : D) a) A. Decline in human population b) B. Outbreak of diseases and epidemics c) C. Rise in refugees d)D. All of the above
14-2.	Ultraviolet rays in radiations of sun is absorbed by (Answer : D) a) a.troposphere b) b.thermosphere c) c.stratosphere d)d.ozone
14-3.	Urbanization usually results in an increase in flood frequency because _ (Answer : B) a) a. less water is able to runoff in streams b) b. less water is able to infiltrate into the ground, so instead is discharged rapidly into streams c) c. more water is used by humans and then discharged to streams d)d. rainfall is greater in urban areas than in rural areas
14-4.	Usually the largest floods in a stream occur _ (Answer : B) a) very frequently, several times in one year b) frequently, every few years c) rarely, about every ten years d) rarely, or once every few 100 years
14-5.	Vibrations radiate from focus in all direction as (Answer : C) a) Longitudinal waves B b) Transverse waves C c) Seismic waves D d)Typanic waves
14-6.	Warm air ----- is than cold air (Answer : A) a) Heavier b) lighter c) no difference in weight d)very much lighter

14-7.	We can't use too much water, because we don't have a lot of it (Answer : A) a) a) drought b) b) flood c) c) tsunami d) d) earthquake
14-8.	What are the major consequences of Tropical cyclones? (Answer : D) a) Fierce wind b) Heavy rain c) Storm surge d) All of the above
14-9.	What are the reasons for causes of drought (Answer : A) a) a) Floods b) b) tsunami c) c) landslide d) d) excessive use of ground and surface water
150.	What causes most flash flooding? (Answer : B) a) a. Tornadoes. b) b. Slow-moving thunderstorms, thunderstorms repeatedly moving over the same area, or c) c. Hailstorms. d) d. heavy rains from hurricanes and tropical storms.
151.	What do you mean by 'doldrums'? (Answer : B) a) A. Environmental condition found during El nino b) B. Environmental condition found on equatorial calm over the sea c) C. Both (A) and (B) are correct d) D. None of the above
152.	What does "tsunami" mean in Japanese? (Answer : C) a) a. severe earthquake b) b. Huge wind c) c. Terrible storm d) d. Harbour wave
153.	What factors contribute to flooding? (Answer : C) a) a. Rainfall intensity. b) b. Rainfall duration. c) c. BOTH of the above; rainfall intensity and rainfall duration. d) d. None of the above
154.	What is a flash flood? (Answer : D) a) a. A sophisticated flood b) b. A deep flood c) c. Power lines fallen in flood waters d) d. A flood that happens fast with little warning
155.	What is a landslide? (Answer : C) a) a. shaking of Earth b) b. an opening in Earth similar to a sinkhole c) c. soil, rock, and debris sliding down a slope d) d. an eruption of lava
156.	What is a tsunami? (Answer : B) a) a) a type of fish b) b) a series of huge waves c) c) a kind of volcano d) d) None of these
157.	What is a cyclone? (Answer : C) a) (a) A low pressure system with clockwise winds in the northern hemisphere. b) (b) A high pressure system with anticlockwise winds in the northern hemisphere. c) (c) A low pressure system with anticlockwise winds in the northern hemisphere. d) (d) A high pressure system with clockwise winds in the northern hemisphere.
158.	What is drought? (Answer : A) a) A. No rainfall for a long continuous period b) B. Heavy rainfall for a long continuous period c) C. Moderate rainfall for a long continuous period d) D. None of the above
159. (Answer : C)	What is it called when a large number of people in a community get a disease at the same time ? a) Influx B b) Black death C c) Epidemic D d) Pandemic
160.	What is Ring of Fire? (Answer : A) a) a. Belt of volcanoes in the Circum Pacific region b) b. Belt of volcanoes in the mid-continental region c) c. Belt of volcanoes in the mid-atlantic region d) d. None of the above
161.	What is the name given to the wind blowing from sea to land? (Answer : C) a) Thunderstorm b) Land breeze c) Sea breeze d) cyclone
162.	What is the normal relationship between the number of a particular type of event and the size of such events? (Answer : D)

a) a. There is an equal number of small, medium, and large events of any given type. b) b. There are few small events, a moderate number of larger events, and many giant events of any given type. c) c. There are many small events, many medium-size events, but for most hazards no giant events. d)d. There are many small events, a moderate number of larger events, and few giant events of any given type.

163. What is the speed of tsunami waves? (Answer : D)  
a) a) 40 meters/hour b) b) 100 kms/hour c) c) 9000 km/hour d)d) 800 km/hour

164. What percent of earthquakes and tsunamis account for world disasters? (Answer : A)  
a) a. 8% b) b. 3% c) c. 9% d)d. 7%

165. When a powerful earthquake struck South Eastern Iran and caused enormous loss of life and property Killing 30,000 people? (Answer : A)  
a) a. 26.12.2003 b) b. 26.11.2003 c) c. 26.10.2003 d)d. 26.10.2002

166. When a river's water level reaches 10 metres, this means that: (Answer : C)  
a) a. the water level is 10 metres above an arbitrary 'zero' level b) b. the water level is 10 metres above mean sea level c) c. the water level is 10 metres above mean sea level or an arbitrary 'zero' level d)d. it will flood.

167. When forests are cut or burned down (Answer : A)  
a) a. water can flow away very quickly and cause mudslides b) b. nutrients are washed deep into the soil c) c. water stands in fields and cannot flow away d)d. rainfall can get into the ground more quickly

168. When is a large event such as a major earthquake not a disaster? (Answer : D)  
a) a. when it happens in a far away country that we do not care about b) b. when it happens to less than 10,000 people c) c. when it happens to less than 1,000 people d)d. when it happens in an area without any people

169. When wind speed increases, air pressure s (Answer : B)  
a) Increases b) Decreases c) remains constant d)None of these

170. Which area in the world witness's highest seismic earthquake activity in the world. (Answer : B)  
a) Mid-continental belt b) Cir-cum Pacific belt c) Mid-Atlantic belt d)All of the above

171. Which choice is a man-made trigger of landslides? (Answer : C)  
a) a. earthquakes b) b.Valcano c) c.blasting d)d.erosion

172. Which country is known as the most forest fire prone country in the world ? (Answer : C)  
a) Uganda B b) Canada C c) Australia D d)India

173. Which is known as seismic wave ? (Answer : A)  
a) Tsunami B b) Hurricane C c) El Nino D d)Typhoon

174. Which is not a characteristic of a regional flood? (Answer : C)  
a) a. An extended rise of river elevation for weeks to months. b) b. Large storm systems or an extended period of rainfall. c) c. A small drainage basin. d)d. Floodplains covered with floodwaters.

175. Which is the main cause of cholera? (Answer : A)  
a) Poor sanitation b) Floods c) Air pollution d)Poor nutrition

176. Which is the most common type of disaster in New Zealand? (Answer : A)  
a) Floods b) Earthquakes c) Tsunami d)Volcanoes

177. Which is the most dangerous location for a tsunami hazard? (Answer : C)  
a) a. a straight stretch of coast directly exposed to the open sea b) b. a rocky point protruding into the ocean in deep water c) c. a bay with a nice sandy beach at its end d)d. a small boat in the deep ocean

178.	Which metal is causing for Minamata disease - (Answer : B) a) a) Iron b) b) Mercury c) c) Gold d)d) Silver
179.	Which natural hazard has caused the greatest number of deaths in a single event? (Answer : A) a) earthquakes B b) floods C c) volcanic eruptions and related disasters D d)hurricanes
180.	Which natural hazard has resulted in the greatest monetary losses in a single event for the period of time listed? (Answer : A) a) Earthquake B b) hurricane C c) fire D d)flood
181.	Which of the following can reduce the risk of flooding? (Answer : D) a) a. zonings and building regulations for new developments b) b. dams, detention basins and levees c) c. flood awareness and education programs d)d. all of the above.
182.	Which of the following disasters can be triggered by an earthquake? (Answer : D) a) Tsunami b) Intense ground shaking c) A landslide d)All of the above
183. (Answer : D)	Which of the following diseases appeared as public health concern in the last quarter of 20 th century a) a. HIV b) b. Ebola virus c) c. Escherichia coli O157:H7 d)d. All of the above
184.	Which of the following emits dangerous radioactive wastes forcing the government to eliminate its use? (Answer : A) a) (a) Nuclear energy b) (b) Water energy c) (c) Geothermal energy d)(d) Solar energy
185.	Which of the following group of people are more vulnerable in the event of a disaster (Answer : C) a) (a) Men, boys, old people b) (b) Men, Women, boys c) (c) Women, children, Old people d)(d) None of these
186.	Which of the following is a man-made disaster (Answer : D) a) a. Terrorism b) b. Major fire c) c. Pollution d)d. All of the above
187.	Which of the following is a non-precipitation food? (Answer : A) a) A. Coastal flood b) B. Cloud burst flood c) C. Flash flood d)D. None of the above
188.	Which of the following is an environmental consequence of floods? (Answer : D) a) a. dispersal of weed species b) b. erosion of soil c) c. release of pollutants into waterways d)d. all of the above.
189.	Which of the following is an example of the domino effect? (Answer : C) a) a. a landslide caused by a sudden precipitation event b) b. an increase in the cost of gasoline that causes people to drive less c) c. global warming that causes more rapid melting of Arctic sea ice that results in further sea ice melting d)d. when a feature looks the same across a wide range of scales
190.	Which of the following is associated with a La Niña event? (Answer : C) a) a. the Southern Oscillation Index (SOI) is strongly negative b) b. the ocean surface off the coast of South America is warmer than usual c) c. there is an increased chance of above average rainfall in eastern Australia d)d. all of the above.
191.	Which of the following is known as the light house of the Mediterranean sea? (Answer : B) a) Vesuvius B b) Stromboli C c) Krakatoa D d)Popa
192.	Which of the following is not a man-made hazard? (Answer : C) a) a) Leakage of Toxic waste b) b) Wars and Civil Strife c) c) Drought d)d) Environmental pollution



193.	Which of the following is not an atmospheric hazard (Answer : A) a) a. Epidemic in human b) b. Hail c) c. Heavy rainfall d)d. hurricanes
194.	Which of the following is not an epidemic (Answer : D) a) (a) Cholera b) (b) Smallpox c) (c) Plague d)(d) HIV-AIDS
195.	Which of the following is related to acid rain? (Answer : C) a) (a) Carbon-dioxide b) (b) Nitrogen c) (c) Sulphur dioxide d)(d) Carbon Monoxide
196.	Which of the following is responsible for periodic change? (Answer : B) a) a. Eruption of volcano b) b. Heartbeat c) c. A car accident d)d. Landslide
197.	Which of the following is seasonally related hazard (Answer : D) a) a. Earthquake b) b. Volcanic eruption c) c. Terrorist attack d)d. None of the above
198.	Which of the following is true? Flood warnings: (Answer : B) a) a) Should not be released until the information is certain b) b) Should indicate what the threat is, what action should be taken, by whom and when c) c) Are best if they come from a single source d)d) All of the above
199.	Which of the following is used to estimate which areas will be inundated during a flood, based on river height information? (Answer : D) a) a. satellite and radar images b) b. flood maps / floodplain hydraulic models c) c. river gauging stations d)d. None of the above
200.	Which of the following leads to earthquakes: (Answer : D) a) a) Movement of plates b) b) Nuclear explosion c) c) Extraction of minerals d)d) All of the above
201.	Which of the following potentially affects the size of a flood? (Answer : D) a) a. bridges and other structures in waterways b) b. the size and windiness of a river c) c. vegetation in and around a river d)d. all of the above
202.	Which of the following statements is false? (Answer : A) a) a. weather forecasts for a small region are more accurate than those for a large region b) b. weather forecasts are more accurate in Melbourne than in Darwin c) c. forecasts of temperature are more accurate than forecasts of rainfall d)d. all of the above
203.	Which of the following volcanoes is known for its most destructive volcanic eruption in recorded history (Answer : C) a) a. Mount Kilimanjaro b) b. Mauna Loa c) c. Krakatoa d)d. Mount St Helens
204.	Which of the following waves is the slowest- (Answer : D) a) a) P waves b) b) S waves c) c) Surface waves d)d) Tsunami
205.	Which of these is NOT a contributing factor to landslides? (Answer : A) a) a. Water b) b. unstable subsurface c) c. a trigger d)d. gravity
206.	Which of these problems can be caused by floods? (Answer : D) a) Landslips b) Sewage contamination c) Destroyed crops d) All of the above
207.	Which one is a major environmental and safety hazard for the people in hilly areas in Tripura which can be considered as "cancer of hill slopes" (Answer : B) a) a) Flood b) (b) Landslide c) (c) Earthquake d)(d) Desertification
208.	Which one of the following does not cause Earthquake? (Answer : C) a) Colliding plates B b) Coral reefs C c) Sliding plates D d) Dividing plates

209.	Which one of the following is a geological disaster? (Answer : A) a) A. Tsunami b) B. Storm surge c) C. Flood d)D. Wild fire
210.	Which one of the following statement is INCORRECT? (Answer : C) a) (a) When air gets heated, it expands. b) (b) When air gets cooled, it contracts. c) (c) The warm air is heavier than cold air . d)(d) Air moves from high pressure region to low pressure region.
211.	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? (Answer : D) a) Hurricanes and volcanoes B b) hurricanes and floods C c) hurricanes and tornadoes D d)Hurricanes and earthquakes
212.	Which virus is responsible for AIDS- (Answer : B) a) a) HIC b) b) HIV c) c) HIL d)d) HKL
213.	Which volcanic belt is commonly called "Ring of Fire"? (Answer : B) a) (a) The Mid-Continental Belt b) (b) The Circum-Pacific Belt c) (c) The Mid-Atlantic Belt d)(d) The Circum- Continental Belt
214. (Answer : C)	Which volcanic eruption is responsible for raising temperature of the Northern Hemisphere by 1.2 °c? a) Bhuj b) Etna c) Krakatoa d)Mt. Pinatubo
215.	Which wave of the earthquake produces rolling effect along the surface? (Answer : B) a) P wave B b) S wave C c) L wave D d)none of the above
216. : B)	Which zone is considered the highest vulnerability zone of the seismic zonation map of India? (Answer : B) a) (a) Zone-IV b) (b) Zone-V c) (c) Zone-III d)(d) Zone-II
217. C)	Who is most commonly to blame when people incur a significant loss from a natural disaster? (Answer : C) a) a. the U.S. Army Corps of Engineers for not building protective structures b) b. the federal government for not doing something about it c) c. the people themselves for choosing to live there d)d. the local county for permitting them to build there
218.	Why are most people who live on southeast-coast beaches unconcerned about hazards? (Answer : C) a) a. There are few significant hazards in those areas. b) b. Disasters in those areas come along only about every one hundred years. c) c. They have never experienced a significant disaster. d)d. They are well insured for the types of hazards that affect those areas.
219.	Why do you suppose there has been an overall increase in the number of deaths and monetary losses related to natural disasters on Earth? (Answer : D) a) The magnitudes of natural hazard events are increasing. b) b) Events are better documented today than in the past. c) c) Human populations are increasing in areas of risk. d) d)all of the above
220.	Wild fire in north America is known as (Answer : A) a) A. Bush fires b) B. Brush fires c) C. Forest fire d)D. Noine of the above
221.	With increase in temperature, atmospheric pressure (Answer : B) a) Increases b) decreases c) remains constant d)can decrease or increase
222.	Zika virus is related to which of the following diseases (Answer : D) a) a. Dengue b) b. Yellow fever c) c. Japanese encephalitis d)d. All of the above
223.	Zika virus is spread by (Answer : B) a) Rat B b) Mosquito C c) Fly D d)Pig

224.	Tropical Cyclones are intense low pressure areas confined to the area lying between (Answer : A) a) 30 degree north and 30 degree south. b) 50 degree north and 50 degree south. c) 50 degree north and 30 degree south. d) 5 degree north and 5 degree south.
225.	Which one among these is not an essential condition for emergence of Tropical Cyclone? (Answer : A) a) Peninsular landmass b) Strong coriolis force that can prevent filling of low pressure at the centre. c) Large and continuous supply of warm and moist air that can release enormous latent heat. d) Absence of strong vertical wind wedge, which disturbs the vertical transport of latent heat.
226.	Below average rainfall for a prolonged period of time is called (Answer : B) a) (a) Famine b) (b) Drought c) (c) Flood d) (d) None of these
227.	The epicenter of the earthquake of the magnitude of 5.7 which occurred on the 3 of Jan, 2017 in Tripura was located at: (Answer : A) a) a) Dhalai District b) b) West District c) c) North District d) d) Gomati District
228.	----- drought leads to reduction of natural stream flows and ground water levels. (Answer : B) a) a) Meteorological drought b) b) Hydrological drought c) c) Agricultural drought d) d) Socio-economic drought
229.	----- drought makes the soil's moisture level insufficient to maintain the average crop (Answer : B) a) a) Meteorological drought b) b) Agricultural drought c) c) Hydrological drought d) d) Socio-economic drought
230.	11-03-2012 marked one year since an earthquake and tsunami killed thousands of people in? (Answer : A) a) a. Japan b) b. South Korea c) c. North Korea d) d. Indonesia
231.	Just prior to a tsunami coming ashore, sea level appears to fall quickly. This phenomenon is called (Answer : C) a) a) Sea level drop b) b) Draw fall c) c) Drawdown d) d) Dip in sea level
232.	A cyclone is called a ----- (Answer : A) a) Hurricane b) Typhoon in Philippines and Japan. c) Tornado d) Thunderstorm
233.	A cyclone is called a ----- (Answer : B) a) Storm b) Hurricane c) Tornado d) Thunderstorm
234.	A cyclone is called a _____ in Philippines and Japan. (Answer : B) a) a) Hurricane b) b) Typhoon c) c) Tornado d) d) Thunderstorm
235.	A cyclone is called a _____ in the American Continent. (Answer : A) a) a) Hurricane b) b) Typhoon c) c) Tornado d) d) Thunderstorm
236.	A flash flood is a flood that (Answer : C) a) a. is caused by heavy rain rather than from the flooding of a river b) b. occurs in urban areas c) c. occurs suddenly and unexpectedly and for a short duration d) d. is caused by the blocking of drains.
237.	A flood can be caused by: (Answer : D) a) Rising rivers b) High tides c) Heavy rain in a small area d) d) All of the above
238.	A flood can vary in: (Answer : D) a) size b) speed of water flow c) duration d) all of the above
239.	A point on the surface of the earth vertically above the focus is known as (Answer : A) a) Epicenter b) Hypocenter c) Special focus d) None of the above

240.	A series of earthquakes shook the Central American Nation Of Nicaragua and killed many people in the year? (Answer : B) a) a. 1974 b) b. 1972 c) c. 1973 d)d. 1975
241.	About ----- percentage of India's total area is drought prone to drought. (Answer : C) a) a) 80 b) b) 68 c) c) 15 d)d) 25
242.	About 2/3 rd of the cyclones that occur in the Indian coastline occur in the (Answer : A) a) A) Bay of Bengal b) B) Coastal area of south India c) C) Coastal area of west India d)D) None of the above
243.	Absence of normal pattern of rainfall in a region for a extended period of time is called (Answer : D) a) Deforestation b) landslide c) flood d)drought
244.	According to World Bank Estimate, direct losses from natural disasters are upto percent of GDP? (Answer : B) a) a. 4% b) b. 2% c) c. 1% d)d. 3%
245.	All substances that are major causes of pollution are classified as (Answer : D) a) a.compounds b) b.acids c) c.oxides d)d.pollutants
246.	An enormous amount of energy is released during an earthquake as seismic waves which are of (Answer : D) a) (a) Primary or pressure waves(P-waves) b) (b) Secondary or transverse waves(S-waves) c) (c) Long waves or surface waves(L-waves) d)(d) All of the above
247.	As a tsunami approaches shallow water which of the following set of transformations occur? (Answer : D) a) a. Wavelength increases, wave period decreases, and wave height stays the same b) b. Wavelength decreases, wave period decreases, and wave height increases c) c. Wavelength decreases, wave period increases, and wave height increases d)d. Wavelength decreases, waver period stays the same, and wave height increases
248.	As the magnitude of natural disasters increases their frequency of occurrence (Answer : D) a) increases b) decreases c) remains the same d)cannot be predicted
249.	Considering following, abiotic components of ecosystem includes (Answer : C) a) grass and trees b) birds and snakes c) basic elements and soil d)cattle and deer
250.	Considering pyramid of numbers, consumers that are maximum in number and smallest in size are called (Answer : B) a) a. tertiary consumers b) b.producers c) c.tertiary decomposers d)d.secondary decomposers
251.	Cyclones in the Caribbean islands are known as: (Answer : B) a) (a) Typhoon b) (b) Hurricanes c) (c) Tornadoes d)(d) Storm
252.	Cyclones occurring in North Atlantic ocean are called (Answer : B) a) a) Typhoon b) b) Hurricanes c) c) Tornado d)d) None of the above
253.	Dams are designed to reduce flooding by ----- (Answer : B) a) a) Protecting river banks from erosion b) b) Providing storage for flood water c) c) Increasing the downstream velocity of flood water ' d)d) Trapping sediment behind the dam so it cant be deposited downstream
254.	Deficiency of a particular year's rainfall exceeds 26 -50 % of normal it is termed as (Answer : B) a) a) Onset Of Drought b) b) Moderate Drought c) c) Severe Drought d)c) none of the above.

255.	During a tsunami a series of waves radiating out ward from a central disturbance of the sea floor is called a (Answer : C) a) a. Ocean storm   b) b. Wind-generated disturbance   c) c. Wave train   d)d. Wavelets
256.	During volcanic eruption , the extreme risk zone is within a distance (Answer : A) a) A. Upto 100 mtrs   b) B. 100-300 mtrs   c) C. 300mtrs- 3 km   d)D. None of the above
257.	Earthquake is a: (Answer : A) a) a) Geophysical disaster   b) b) Hydrological disaster   c) c) Meterological disaster   d)d) Compound disaster
258.	Earthquake is- (Answer : C) a) (a) A sudden shaking or vibration of ground   b) (b) Disturbances in the earth's crust   c) (c) Both (a) & (b)   d)(d) None of the above
259.	Earthquake under the sea is called? (Answer : A) a) a. Tsunami   b) b. Hurricane   c) c. Cyclone   d)d. Thunder
260.	Earthquakes and tsunamis constitute disaster percentage = ..? (Answer : A) a) a. 8%   b) b. 4%   c) c. 6%   d)d. 17%
261.	Earthquakes occur most frequently at (Answer : B) a) plate surface   b) plate boundaries   c) plate vacuum   d)ocean beds
262.	Earthquakes occur when there is a sudden release of stored up energy in Earths (Answer : C) a) A. inner core   b) B. outer core   c) C. upper mantle   d)D. lower crust
263.	Earthquakes that occur along faults are created when ..... (Answer : D) a) a) Melted rock is erupted along the fault zone   b) b) Stress builds up until rocks break   c) c) The earth shifts and moves along fracture   d)d) Answers b and c
264.	Flash floods are often caused (Answer : A) a) by thunderstorms   b) dikes and dams that are too high   c) by rainfall over many days   d) by river beds that are too high
265.	Higher level of floods and droughts are led by (Answer : D) a) sand storms   b) lower precipitation   c) higher precipitation   d)none of the above
266.	How many feet of fast-moving flood water can sweep a vehicle away? (Answer : B) a) a. 3 feet   b) b. 2 feet   c) c. 4 feet   d)d. 5 feet
267.	How many inches of fast-moving flood water can knock you off your feet? (Answer : A) a) a. 6 inches   b) b. 8 inches   c) c. 10 inches   d)d. 12 inches
268.	How many of 35 Indian States and Union Territories are disaster prone? (Answer : B) a) a. 23   b) b. 25   c) c. 12   d)d. 27
269.	In Australia, the average annual cost of floods is around: (Answer : C) a) (a) \$3.8 million   b) (b) \$38 million   c) (c) \$380 million   d)(d) \$3.8 billion.
270.	In Australia, the most expensive natural disaster is: (Answer : B) a) (a) drought   b) (b) floods   c) (c) bushfires   d)(d) cyclones.
271.	In northern hemisphere, the wind of the tropical cyclone blows in (Answer : A) a) A. Anticlockwise direction   b) B. Clockwise direction   c) C. Straight   d)D. None of the above

272.	In the concept of plate tectonics the term "plate" refers to the (Answer : B) a) Continental crust B b) crust and the entire mantle C c) rigid Earth above the asthenosphere d) Earth from the surface to the base of the asthenosphere
273.	In the eye of the cyclone the temperature is: (Answer : B) a) a) Highest b) b) Lowest c) c) Normal d) d) Average
274.	In the future, which of the following is expected to increase the risk of flooding? (Answer : D) a) a) Population growth b) b) Urbanisation c) c) Climate change d) d) All of the above.
275.	In the future, which of the following is unlikely? (Answer : D) a) a. there will be an increased chance of flash flooding and coastal inundation b) b. flood risk will increase due to population growth and urbanisation c) c. improvements in flood forecasting and warning technologies will reduce the impacts of floods d) d. we will be able to eliminate the risk of flooding.
276. (Answer : C)	Just prior to a tsunami coming ashore, sea level appears to fall quickly. This phenomenon is called a) a. Sea level drop b) b. Draw fall c) c. Drawdown d) d. Dip in sea level
277.	Lakes and forests are best classified as examples of (Answer : B) a) artificial ecosystem b) natural ecosystem c) natural biosphere d) artificial biosphere
278.	Land slide and can be defined as the of slope. (Answer : D) a) a. Downward movement b) b. Upward movement c) c. Outward movement d) d. Downward and Outward movement
279.	Landslides occur because of- (Answer : D) a) A) Rainfall b) B) Steep slope c) C) Deforestation d) D) All of the above.
280. above	Landslides occur because of? (Answer : D) a) a. Intensity of rainfall b) b. Steep slopes c) c. Deforestation leading it soil erosion d) d. All the above
281.	Landslides, global warming, floods and soil erosions are all effects of (Answer : A) a) Deforestation b) aforestation c) overpopulation d) global warming
282.	Passageway which joins vent to crater of volcano is known as (Answer : C) a) a) Vent b) b) Cone c) c) Pipe d) d) Crater
283.	Point at which earthquake takes place is known as (Answer : D) a) origin b) epicenter c) principal d) focus
284. cent of normal. above.	Severe Drought for identifying (Answer : A) a) a) Deficit of rainfall more than 50 per cent of normal. b) b) Deficit of rainfall between 26-50 per cent of normal. c) c) Deficiency of a particular year's rainfall exceeding 25 per cent of normal. d) d) None of the above.
285. d) All of the Above	Shallow earthquakes, less than 20 km deep are associated with (Answer : D) a) Convergent plate boundaries b) Divergent plate boundaries c) Transform plate boundaries d) All of the Above
286.	Situation in which there is no enough food in an area to feed people is called (Answer : A) a) a) Famine b) b) drought c) c) monsoon d) d) thunderstorms
287.	Sometimes earthquake would occur. Such indications are called (Answer : B) a) (a) Indicators b) (b) Precursors c) (c) Signal d) (d) Anticipations

288.	The centre of a cyclone is a calm area and is called the (Answer : A) a) Eye b) Focus c) Center d)Radius
289.	The centre of a cyclone is a calm area and is called the_____ of the storm. (Answer : A) a) a) Eye b) b) Focus c) c) Centre d)d) Radius
290.	The centre of the cyclone is characterized by (Answer : B) a) High Pressure b) Low pressure c) Very High Pressure d)All of the above
291.	The eye of a cyclone is (Answer : C) a) cloudy and highly stormy b) full of strong winds. c) calm and cloudless. d)site with high atmospheric pressure.
292.	The earth crust is made up of huge slabs, which are called- (Answer : B) a) a) Crust b) b) Plates c) c) Rock d)d) Magma
293.	The Earth is divided into layers that differ in composition and density. What is the proper sequence of these layers if they are listed from least dense to most dense? (Answer : B) a) inner core, outer core, mantle b) crust, mantle, core c) core, mantle, crust d)mantle, core, crust
294.	The Earths humanan population is estimated at people. (Answer : D) a) 670 million b) 1000 million c) 4.6 billion d)7 billion
295.	The Earths internal heat is responsible for causing (Answer : C) a) Hurricanes b) floods c) earthquakes d)tornadoes
296.	The extent to which a community ,structure , services or geographic area is likely to be damaged or disrupted by the impact of particular hazard is termed as (Answer : B) a) a. Capacity b) b. Vulnerability c) c. Risk d)d. Hazard assessment
297.	The grass is dry, the soil is dry (Answer : A) a) a)drought b) b) flood c) c) earthquake d)d) landslide
298.	The ground movements caused by earthquakes can have a damaging effects such as? (Answer : D) a) a. Ground shaking b) b. Landslides c) c. Surface ruptures d)d. All the above
299.	The human factors which cause floods are: (Answer : A) a) (a) Deforestation b) (b) Heavy rainfall c) (c) Cloud burst d)(d) Large catchment area
300.	The magnitude of energy released by an earthquake is usually measured on Richter scale which ranges between (Answer : C) a) (a) 0 to 7 b) (b) 0 to 8 c) (c) 0 to 9 d)(d) 0 to 12
301.	The major effects of floods are (Answer : D) a) Physical damage b) Loss of biodiversity c) Scarcity of water supply d)All of the above
302.	The major man made causes of floods are (Answer : D) a) Deforestation b) Siltation c) Bursting of dam d)All of the above
303.	The place of origin an earth quake is called (Answer : A) a) (a) Focus b) (b) Epicentre c) (c) Centre d)(d) Core
304.	The point at which a fault first ruptures in the Earth is called the (Answer : D) a) hypocenter b) hypercenter c) epice3picenter d)pocenter

305.	The point in the earth from which seismic waves spread out in all direction is: (Answer : A) a) Earthquake focus b) Siesmic Center c) Epi Centre d)None of these
306. (Answer : B)	The point of the earth's surface directly above the point where an earthquake occurs is called the: a) a. Focus b) b. Epicenter c) c. Fracture d)d. Fault
307.	The point within the earth where earthquake generated is called- (Answer : C) a) a) Focus of epicenter b) b) Focus of foci c) c) Focus of hypocenter d)d) None of these
308.	The primary result of earthquakes is (Answer : D) a) Building and bridge collapsed b) Rapture of water and gas pipelines c) Change in course of river and creation of new islands d)All of the above
309.	The Probable Maximum Flood is: (Answer : A) a) a. an estimation of the largest possible flood that could occur at a particular location b) b. the maximum flood experienced in the last 100 years c) c. the maximum flood experienced in the last 200 years d)d. the maximum flood experienced since flood records have existed.
310.	The process of avulsion causes (Answer : D) a) a. downcutting of the riverbed b) b. wider floodplains for the river c) c. slow shifting of the rivers channel d)d. formation of a new course for the river channel
311.	The process of avulsion is caused by (Answer : B) a) a. erosion of the river channel b) b. buildup of sediment in the river channel c) c. widening of the channel d)d. destruction of natural levees
312.	The sudden release of hot materials (lava, ash, gas etc.) from volcanoes is called (Answer : A) a) (a) Volcanic eruption b) (b) Ash showers c) (c) Pyroclastic flows d)(d) Hot mud flows
313.	The wave height of a tsunami is typically less than (Answer : C) a) a. 0.1 m b) b. 0.2 m c) c. 1 m d)d. 0.5 m
314. (Answer : A)	The wind speed during the cyclone that hit mount Washington during the year 1934 on 12 th April was a) a. 372km/hr b) b. 200km/hr c) c. 150km/hr d)d. 100km/hr
315.	The zone of the earth that is divided into rigid plates is the (Answer : B) a) atmosphere B b) lithosphere C c) tectosphere D d)biosphere
316.	Tropical cyclone, drought, wildfire is: (Answer : C) a) (a) Industrial hazard b) (b) Man induced hazard c) (c) Meteorological hazard d)(d) Hydrological hazard
317.	Tropical cyclones originate within (Answer : D) a) Intermediate between Polar and temperate zones b) Mainly tropical area c) Mainly equatorial Zones d)Intermediate between Tropics of Capricorn and cancer
318.	Tropical cyclones rarely develop within 5 0 of the equator because coriolis effect is (Answer : A) a) A. weakest there b) B. moderate there c) C. Strongest there d)D. None of the above
319.	Tsunami can occur only during? (Answer : D) a) a) Morning b) b) Noon c) c) Evening d)d) Any time of day or nights
320.	Tsunami in the Indian Ocean occurred in the year (Answer : B) a) (a) 2003 b) (b) 2004 c) (c) 2005 d)(d) 2006



321. origin word	Tsunami is a (Answer : A) a) (a) Japanese origin word    b) (b) Latin origin word    c) (c) Greek origin word    d)(d) Portuguese
322. Sea waves	Tsunami is also known as (Answer : B) a) (a) Tectonic Sea waves    b) (b) Seismic Sea waves    c) (c) Plactonic Sea waves    d)(d) Systonic
323.	Tsunami is classified as (Answer : A) a) a) Water Hazard    b) b) Environmental hazard    c) c) Biological hazard    d)d) Geological hazard
324. of these	Tsunami is: (Answer : C) a) Earthquake on land mass B    b) Volcanic eruption C    c) Earthquake in ocean crust D    d)None
325.	Tsunami's can occur only during (Answer : C) a) a. Evening    b) b. Afternoon    c) c. Any time of the day or night    d)d. Morning
326.	Tsunamis are most commonly found in which ocean? (Answer : A) a) a) Pacific Ocean    b) b) Atlantic Ocean    c) c) Artic Ocean    d)d) Indian Ocean
327.	Tsunamis are waves generated by ? (Answer : D) a) a) Earthquakes    b) b) Volcanic eruptions    c) c) Underwater landslides    d)All the above
328.	Volcanic erupted material when inside the hill/earth/mountain it is called (Answer : B) a) a. Lava    b) b. Magma    c) c. Lahars    d)d. None of these
329.	Volcanic eruption are closely associated with (Answer : C) a) Mountain building and fracturing    b) Deforestation    c) Landslides    d)Heat budget
330.	Volcanoes are generally found where (Answer : B) a) a. Intraplates pull apart or are coming together    b) b. Tectonic plates pull apart or are coming together    c) c. Earths crust pull apart or are coming together    d)d. None of these pull apart or are coming together
331. (Answer : A) Volcanoes	Volcanoes which are currently inactive but there is a possibility that it can erupt again in future are called a) (a) Dormant Volcanoes    b) (b) Semi- Dormant Volcanoes    c) (c) Extinct Volcanoes    d)(d) Dead
332.	What is Lahars ? (Answer : C) a) A. Magma    b) B. Lava    c) C. Volcanic mud flow    d)D. None of the above
333.	What is the cause of tidal waves? (Answer : B) a) a) wind    b) b) gravitational force of the moon on the sea    c) c) gravitational force of the sun on the sea    d)d) gravitational force of the earth on the sea
334.	When magma reaches the surface of the earth, is called (Answer : A) a) (a) Lava    b) (b) Crater    c) (c) Fissure    d)(d) Clay
335.	When the stress exceeds the resistance to shearing along the locked interface between two converging plates, what will happen? (Answer : B) a) a. The seafloor will suddenly subside    b) b. The seafloor will suddenly be driven upward    c) c. The seafloor will slide passively in a lateral direction parallel to the strike of the interface    d)d. Nothing will happen
336.	When two tectonic plates diverge (pull apart) the Earth is thinned. In this scenario, we can predict that the asthenosphere will (Answer : C) a) rise B    b) sink C    c) rise then sink D    d)sink then rise

337.	Which of the following is most likely to be in the 'eye' of a cyclone ? (Answer : B) a) It is an area of high pressure b) It is an area of low pressure c) It has high speed winds d) It has lots of clouds
338.	Which of the following is not a characteristic of a braided stream? (Answer : D) a) a. branching channels b) b. high gradient c) c. abundant bed load d) d. constant discharge
339.	Windows may rattle and people may feel tremor at scale of (Answer : B) a) 3 B b) 4 C c) 5 D d) 2
340.	Which part of disaster management involves predicting a possible crisis before it occurs? (Answer : A) a) Mitigation b) Preparedness c) Response d) Recovery
341. (Answer : B)	Developing and practicing an emergency plan occurs during which phase of disaster management? a) Mitigation b) Preparedness c) Response d) Recovery
342.	In which phase of disaster management would you stabilize the situation and assess the immediate damage? (Answer : C) a) Mitigation b) Preparedness c) Response d) Recovery
343.	The primary goal of a disaster preparedness plan is: (Answer : A) a) a) To protect the population b) b) To protect valuable resources c) c) To keep communications lines open d) d) To protect environmental health personnel
344.	Disaster Management covers? (Answer : D) a) a. Maintaining control over disasters b) b. Reducing the effects of disasters c) c. Briefing the top officials of govt. on the effect of disasters d) d. All the above
345.	Disaster Management includes: (Answer : D) a) a. Mitigation b) b. Reconstruction c) c. Rehabilitation d) d. All of the above
346.	Disaster management is aimed at- (Answer : D) a) Resettling people in the closest unaffected urban area b) Collection of valuable data for future management objectives c) Strengthening sewage and drinking water treatment facilities to resist the impact of a d) future disaster
347.	Disaster Management Team should include? (Answer : D) a) a. Awareness generation team b) b. First aid team c) c. Search and Rescue team d) d. All of the above
348.	First Indian Disaster Management Congress was inaugurated on? (Answer : A) a) a. 29-11-2006 b) b. 26-10-2006 c) c. 29-8-2006 d) d. 29-10-2006
349.	Flood can be controlled by: (Answer : C) a) a) Afforestation b) (b) Construction of dam c) (c) Both a & b d) (d) None of these
350.	Flood risk refers to: (Answer : D) a) a. the chance of a flood occurring b) b. the number of people and properties exposed to floodwaters if a flood occurs c) c. the vulnerability of people and properties that are exposed to floodwaters d) d. all of the above.
351.	Flooding in London is prevented by (Answer : A) a) a barrier that is raised and lowered b) b) gates in the western part of the city c) westerly winds d) d) high dams along the Thames

352.	Floods can be prevented by (Answer : A) a) a. Afforestation b) b. Cutting the forest c) c. Tilling the land d)d. Removing the top soil
353.	Full form of DDMA - (Answer : A) a) a) District Disaster Management Authority b) b) District Disease Manage Authority c) c) District Dam Manage Authority d)d) District Duck Management Authority
354.	Full form of EVD- (Answer : A) a) a) Ebola Virus Disease b) b) Evoc Virus Disease c) c) Evola voc Disease d)d) Evola Vig Disease
355.	Full form of NGO- (Answer : A) a) a) Non Government Organization b) b) Non Govern Organise c) c) Non Govern Organ d)d) Non Govern Orpat
356.	Full form of PPP- (Answer : B) a) a) Public Partner Prize b) b) Public Private Partnership c) c) Public Pure Partner d)d) Public Partner Private
357.	Generally the number on Richter Scale ranges between - (Answer : B) a) A) 0 and 6 b) B) 0 and 9 c) C) 1 to 5 d)D) 1 to 12
358.	If you were at the beach, how would you know there may be a tsunami? (Answer : D) a) a) There may be a warning b) b)An alert comes over the radio c) c) There is a drop in the level of the ocean d)d) all of the above
359.	Indian Meteorological Department (IMD) calls a storm 'Super cyclone" when the wind blows (Answer : C) a) A. More than 120 km /hour b) B. More than 100km/hour c) C. More than 220km/ hour d)D. None of the above
360.	Indian Meteorological Department declared "Super Cyclone" (Answer : B) a) (a) When the wind blows at a speed of more than 216 kmph b) (b) When the wind blows at a speed of more than 220 kmph c) (c) When the wind blows at a speed of more than 194 kmph d)(d) When the wind blows at a speed of more than 172 kmph
361.	Indian National Tsunami Warning System became operational in? (Answer : B) a) a. 2003 b) b. 2007 c) c. 2009 d)d. 2012
362.	Instrument used to measure earthquake is known as (Answer : C) a) a) Quake meter b) b) Quake graph c) c) Seismograph d)d) Typanicgraph
363.	Intensity of an earthquake is measured by (Answer : A) a) A) Modified Mercalli scale b) B) Richter scale c) C) Seismograph d)D) None of the above
364.	International Tsunami information Center is located in (Answer : A) a) A) Honolulu b) B) Goa c) C) Jakarta d)D) Puducherry
365.	IPCC means (Answer : A) a) (a) Intergovernmental Panel on Climate Change b) (b) Intergovernmental Panel on Climatic Condition c) (c) Intergovernmental Programme on Climate Change d)(d) International Panel on Climate Change
366.	is the device which is used to detect landslides. (Answer : C) a) a. Vibration sensor b) b. piezo electric crystal c) c. strain gauge d)d. proximity sensor.
367.	ITCZ stands for (Answer : A) a) (a) Inter Tropical Convergence Zone b) (b) Intra Tropical Convergence Zone c) (c) Inter Tectonic Convergence Zone d)(d) Inter Temperate Convergence Zone

368.	Magnitude of earthquake indicates amount of (Answer : D) a) A. vibrations per second b) B. vibrations per minute c) C. oscillations d)D. energy released
369.	Mapping method used for tracking wind speed and direction is (Answer : A) a) a) Hazard mapping b) b) Mind mapping c) c)Speed mapping d)d) None of these
370.	Mass killing diseases can be referred as (Answer : A) a) Biological disaster b) Industrial disaster c) War disaster d)Flood disaster
371.	Mechanisms established under Disaster Management Act, 2005 include? (Answer : D) a) a. National Disaster Management Authority b) b. State Disaster Management Authority c) c. District Disaster Management Authority d)d. All the above
372.	National Institute of Disaster Management is at (Answer : D) a) a. Manipur b) b. Punjab c) c. Hyderabad d)d. New Delhi
373.	National Institute of Disaster management is located at? (Answer : C) a) a) Pune b) b) Midnapur c) c) New Delhi d)d) Calcutta
374.	National Institute of Disaster Management publishes a biannual journal titled? (Answer : C) a) a. Disaster India b) b. Disaster Mitigation c) c. Disaster & Development d)d. Indian Disaster
375.	Mock drills exercise to create awareness among people are conducted at (Answer : D) a) a. State level b) b. District level c) c. GP/Village level d)d. All of the above
376.	Report on Training on Search and Rescue for the members of the village Disaster Management Team is prepared by? (Answer : C) a) a. Govt. of Manipur b) b. Govt. of Indonesia c) c. Govt. of Uttaranchal d)d. Govt of Kerala
377.	Richter scale is a (Answer : A) a) logarithmic scale b) calculus scale c) volumetric scale d)area to vibration ratio scale
378.	SAARC Disaster Management Centre is at? (Answer : C) a) a. Dhaka b) b. Coloumbo c) c. New Delhi d)d. Khatmandu
379. (Answer : B)	Seismic waves during earthquake are recorded and studied with the help of an instrument called as a) (a) Richter scale b) (b) Seismograph c) (c) Lithograph d)(d) Cardiograph
380. Minister	The Chairman of the National Disaster management Authority is? (Answer : D) a) a. Home Minister b) b. Vice President c) c. Minister, Human Resource Development d)d. Prime
381.	The Chairman of the Tripura Disaster Management Authority is: (Answer : C) a) a) Chief Secretary b) b) District Magistrate c) c) Chief Minister d)d) BDO
382.	The change in elevation of a stream per unit length is called (Answer : B) a) base level b) gradient c) velocity d)discharge
383.	The Disaster Management Act was made in? (Answer : C) a) a. 2006 b) b. 2003 c) c. 2005 d)d. 2009
384.	The instrument which records earthquake wave is called (Answer : B) a) Climograph b) Seismograph c) Hythergraph d)None of the above

385.	The major risk associated with overcrowding is (Answer : D) a) Proliferation of mosquito breeding sites   b) Heightened exposure to decaying matter   c) Creation of nuisance problems   d) Increase in diarrhea disease
386.	The Mercalli intensity is useful because (Answer : C) a) a) it is the only method of assessing the energy of an earthquake.   b) b) it allows us to assess the effect of an earthquake for which there are no instrumented records.   c) c) it helps determine the magnitude of small or distant earthquakes for which the Richter scale is inadequate   d) d) it predicts the next major earthquake.
387.	The National Civil Defence college was founded in 1957 at? (Answer : B) a) a. Bombay   b) b. Nagpur   c) c. Cochin   d) d. Hyderabad
388.	The National Disaster Management Authority (NDMA) is headed by (Answer : A) a) a. Prime Minister of India   b) b. President of India   c) c. Governor of States   d) d. Chief Minister of States
389.	The National flood Commission in India was set up in (Answer : A) a) (a) 1980   b) (b) 1985   c) (c) 1995   d) (d) 1980
390.	The National Policy on Disaster Management was approved by the Union Cabinet in? (Answer : B) a) a. 2008   b) b. 2009   c) c. 2007   d) d. 2010
391.	The NH-44 (presently 8) is affected by which hazard (Answer : C) a) Floods   b) Earthquake   c) Landslide   d) All of the above
392.	The nodal department for wind detection IMD refers to (Answer : A) a) a) Indian meteorological department   b) b) Indian metrological department   c) c) Indian metallurgical department   d) d) None of these
393.	The Richter scale expresses an earthquakes (Answer : A) a) a. Magnitude   b) b. Location   c) c. Duration   d) d. Depth
394.	The Richter Scale is used for measuring of - (Answer : C) a) A) Density of liquids   b) B) Speed of Aeroplane   c) C) Intensity of earthquakes   d) D) Depth of mines.
395.	The scientific study of earthquake is called (Answer : B) a) Seismograph   b) Seismology   c) Both a and b   d) None of the above
396.	The size of a flood is measured by: (Answer : D) a) a. the rate of flow of water in a waterway or river   b) b. the level of water in a waterway or river c) c. a river gauging station   d) d. all of the above.
397.	The State Disaster Management Authority is headed by (Answer : B) a) A. Governor   b) B. Chief minister   c) C. Chief Secretary of the State   d) D. None of the above
398.	The steps need to be taken for any risk natural or man-made disaster (Answer : D) a) Proper building construction   b) A well planned   c) Awareness among the stakeholders   d) All of the above
399.	United Nations Disaster Management Team (UNDMT) is responsible for solving problem resulting from disasters in? (Answer : D) a) a. Africa   b) b. Asia   c) c. Australia   d) d. In all continents
400.	Vulnerability analysis comes in which part of the Disaster Management Cycle (Answer : A) a) a. Mitigation   b) b. Preparedness   c) c. Response   d) d. Recovery

4-01.	Warning about cyclonic disaster is conveyed through (Answer : D) a) Newspaper b) Radio network c) Television d)All of the Above
4-02.	What is the name of instrument used for measuring earthquake intensity? (Answer : A) a) Modified Mercalli Scale b) Metrological scale c) Vernier scale d)Barometer
4-03.	What is the point or place that is the first to record the seismic waves? (Answer : B) a) (a) Seismic point b) (b) Epicenter c) (c) Focal point d)(d) Epipoint
4-04.	What would you do if you heard a warning? (Answer : B) a) a) Surf on the big waves b) b) Get out of the water quickly and move to higher ground c) c) Wait until you have finished your swim d)d) phone your friend
4-05.	When people or government agencies try to control the activities of natural events, the common result is which of the following? (Answer : A) a) a. Our problem with nature is transferred elsewhere, to someone else, or postponed. b) b. The effort is wasted because it is impossible to do. c) c. We have become quite effective at such control. d)d. This doesn't happen since the federal government doesn't permit tampering with nature.
4-06.	When was the National Fire Service College established? (Answer : C) a) a. 1967 b) b. 1976 c) c. 1956 d)d. 1942
4-07.	Which are the major controlling systems for reduction of volcanic disaster? (Answer : C) a) Prediction for early warning of eruption b) Timely evolution and relief work c) Both a and b d)None of the above
4-08.	Which instrument are used for intensity of the earthquake- (Answer : B) a) a) Richter scale b) b) Seismometers c) c) Seismograph d)d) Tilt meter
4-09.	Which instrument is used for measuring the magnitude of an earthquake- (Answer : B) a) a) Tilt meter b) b) Richter scale c) c) Seismograph d)d) Seismometer
4-10.	Which is NOT a way that government policy mitigates natural hazards? (Answer : B) a) b. congress funding expensive Army Corps of Engineers projects to build levees along rivers b) c. relocating natural disaster victims to more stable areas c) d. utilizing computer systems to determine risk levels d)
4-11.	Which is the nodal agency at the Indian Union Government for coordinating disaster management activities for all natural hazards? (Answer : A) a) a. Minister of Home affairs b) b. Ministry of social justice and Empowerment c) c. Ministry of Science and Technology d)d. Ministry of Environment and Forests
4-12.	Which of the following is a disaster mitigation strategy? (Answer : A) a) a. Constructing cyclone shelters b) b. Giving loans from banks c) c. Providing cheap electricity d)d. Providing school uniforms to children
4-13.	Which of the following is not a component of disaster management cycle? (Answer : C) a) Preparedness B b) Response C c) Construction D d)Recovery
4-14.	Which of the following is the best thing to do during heavy lightning ? (Answer : A) a) i. lie on the ground in an open place. b) ii. Go into a water body c) iii. Stay indoors, away from metallic doors and windows. d)iv. Stand under a tall tree.
4-15.	Which of the following measurements is not needed to estimate stream discharge? (Answer : A) a) a. stream velocity b) c. bed load of stream c) b. width of stream d)d. depth of stream
4-16.	Which of the following should you do in a flood? (Answer : C) a) Go sight-seeing b) Drink the water c) Put valuables high up d) d)Water the garden

417. (Answer : A)	Which of these natural hazards causes the LEAST amount of fatalities in the United States annually? a) a. volcanoes b) b. heat and drought c) c. lightning d)d. winter weather
418. of small trees.	Which one of the following is NOT recommended during Lightening or thunderstorm? (Answer : C) a) a) Take Shelter in a bus or car. b) b) In a forest , seek shelter in a low area under a thick growth of small trees. c) c) Take shelter under isolated tree. d)d) Get away from tractors and other metal farm equipment .
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420. above	Which techniques are used for prediction of early warning of eruption? (Answer : D) a) Electric Distance Measures b) Tilt Meters c) GPS and Satellite Inferring Rader d)All of the above
421.	Who is known as the father of modern seismology (Answer : B) a) a. Charles Richter b) b. R.D. Oldham c) c. W.M. Davis d)d. None of the above.
422.	Why don't many coastal communities try to educate visitors and new residents about natural hazards in their areas? They view such information as ..... (Answer : A) a) a. bad for business b) b. too difficult for most people to understand c) c. a national security issue d)d. information an insurance company might use to their advantagee. classified information to be used only by the Federal Emergency Management Agency
423.	Which of the following are non-biodegradable pollutants? 1. Pesticides, 2. Sewage, 3. Plastics, 4. Radioactive substances (Answer : C) a) Only 1 and 2 b) Only 2 and 3 c) Only 1, 3 and 4 d)Only 1, 2, 3 and 4
424. (Answer : C)	What is it called when a large number of people in a community get a disease at the same time? a) a) Influx b) (b) Black death c) (c) Epidemic d)(d) Parasite
425.	Zika virus is related to: (Answer : D) a) (a) Dengue b) (b) Yellow fever c) (c) Japanese encephalitis d)(d) All the Above.
426.	"International Secretariat for Disaster Reduction" stands for- (Answer : C) a) a) ISAR b) b) ISER c) c) ISDR d)d) ISFR
427.	"International Decade for Natural Disaster Reduction"- stands for- (Answer : B) a) a) IDNER b) b) IDNAR c) c) IDAKR d)d) IDFER
428.	A clear concise document which outlines preventive and preparatory measures n the event of a disaster to minimize its effect is (Answer : A) a) a. Disaster plan b) b. Disaster manual c) c. Disaster guide d)d. Disaster record
429.	A disease is called pandemic when it is (Answer : C) a) (a) Within a region b) (b) Within a country c) (c) Within a continent d)(d) None of these
430. B)	A disease that becomes unusually widespread and even global in its reach is referred to as (Answer : B) a) a. Epidemic b) b. Pandemic c) c. Spanish flu d)d. Hyperendemic
431. None of the above	A pneumonic plague which occurred in Surat, Gujrat in 1994 is: (Answer : B) a) (a) Pandemic disease hazards b) (b) Epidemic disease hazards c) (c) Industrial hazards d)(d) None of the above

4-32.	ACWC refers to (Answer : A) a) a) Area cyclone warning centre b) b) Asian cyclone warning centre c) c) Atlantic cyclone warning centre d)d) none of these
4-33.	Amateur Radio is also known as? (Answer : A) a) a) Ham radio b) b) Home radio c) c) Pocket radio d)d) Silent radio
4-34.	An essential to the sanitary maintenance of latrines is (Answer : C) a) Sufficient supply of water b) Supply of latrine construction materials c) Health education program in latrine usage and upkeep d)d)All of the above
4-35.	An instrument used to study the speed of winds is called (Answer : B) a) Manometer b) anemometer c) ammeter d)speedometer
4-36.	An insurance company decides on the cost of a policy for a natural hazard by ..... (Answer : D) a) a. adding up the total cost of the most recent disaster of the type b) b. multiplying the probability of the loss by the number of policies sold c) c. averaging their probable dollar loss for all disasters that they insure d)d. calculating the cost of the probable loss times the probability of that event
4-37.	Asian Disaster Preparedness Centre is at? (Answer : A) a) a. Bangkok b) b. Kerala c) c. Surat d)d. None
4-38.	Besides testing the quality of the food itself, inspections should be made to determine (Answer : D) a) the cleanliness of- b) Premises where food is handled and prepared c) Washing facilities d)d)Food storage facilities
4-39.	By what measures can we significantly reduce the impact of disasters on our people? (Answer : D) a) a. Better planning b) b. Preparedness awareness c) c. Mitigation measures d)d. All the above
4-40.	Considering ecological organizations, range between tops of highest mountains and floor of oceans is classified as (Answer : A) a) a.biosphere b) b.exosphere c) c.troposphere d)d.stratosphere
4-41.	DDMA is headed by (Answer : A) a) A. District magistrate b) B. Chief secretary c) C. BDO d)d. None of the above
4-42.	Dikes and dams are lined up along the coast of the Netherlands (Answer : D) a) a. to generate electricity for its population b) b. to change the course of rivers that flow into the North Sea c) c. to keep storms away from the country d)d. to keep ocean water out of the lower lying land
4-43.	Ebola virus disease first appeared in the year: (Answer : A) a) a) 1976 b) b) 1967 c) c) 1956 d)d) 1926
4-44.	Effective hazard management largely rely on (Answer : C) a) a. Govt. agencies b) b. Emergency responses c) c. Pre-disaster planning d)d. Volcanoes
4-45.	Engineering disaster is simply referred to those disasters when it is caused by an engineering failure like - (Answer : D) a) (a) Design flaws or materials failures b) (b) Insufficient knowledge or underestimations c) (c) Carelessness or negligence d)(d) All the above.
4-46.	First Aid Kit should contain? (Answer : D) a) a. Cotton Wool, Bandage b) b. Pain Relievers, Medicines c) c. Scissors, Gloves, Antacids d)d. All the above
4-47.	For coordinating disaster management activities for all natural hazards, the Nodal Agency at the Central Govt is the? (Answer : A)



	a) a. Ministry of Home Affairs    b) b. Ministry of Rural Development    c) c. Ministry of Communication d)d. Ministry of Urban Ministry
448.	For good land use planning, buildings should be built: (Answer : C) a) a. above the 1 in 100 year flood level    b) b. above the level of the Probable Maximum Flood    c) c. based on the chance and consequences of a flood for that particular building    d)d. above the level of the largest historical flood.
449.	Forests clearing by humans or natural causes is classified as (Answer : C) a) a.Urbanization    b) b.localization    c) c.deforestation    d)d.deplantation
450. (Answer : A)	If you erect a barrier for protection against some natural event, what detrimental effect can follow? a) a. It can have detrimental effects on others nearby.    b) b. You shouldn't try to do so because such barriers typically cost more than the structures they are designed to protect.    c) c. National laws require that anything that interfaces with natural processes be done by federal agencies.    d)d. Similar projects by others nearby will make your efforts ineffective.d. Nature is strong enough to immediately overwhelm your efforts, which are then wasted.
451.	In alpine regions reservoirs are created (Answer : A) a) a. to regulate the flow of melting water from icefields    b) b. to give the alpine populations enough water    c) c. to make larger rivers smaller    d)d. to get enough water into the main rivers
452.	In ancient Egypt the Nile River (Answer : C) a) a. destroyed large areas of farming land every year    b) b. had to be regulated because it carried too much water    c) c. brought nutrients that made the fields fertile    d)d. changed its course almost every year
453.	In disaster management, mitigation measures involves (Answer : B) a) A. Governmental action and administration    b) B. Community action and administration    c) C. Military action and administration    d)D. None of the above
454.	Interactions between members of different species are called (Answer : A) a) Interspecific interactions    b) Competition    c) Intraspecific interactions    d)Predation
455.	National Disaster Management Division of the Govt. of India wherever necessary, sends to disaster affected areas? (Answer : D) a) a. Coordination its containing satellite phones    b) b. Medicines for affected people    c) c. Provides relief measures    d)d. All the above
456.	National Disaster Reserve Fund is the result of? (Answer : B) a) a. 12th Finance Commission    b) b. 11th Finance Commission    c) c. 13th Finance Commission    d)d. None of the above
457. (Answer : D)	Special consideration in order to mitigate earthquake earthquake like disasters is given also to protect a) (a) Heritage buildings    b) (b) Buildings of cultural and historical importance    c) (c) Scientific and Technological laboratories    d)(d) All of the above
458. (Answer : B)	Structural and Non-structural measures are elements of high category of Risk Reduction measures a) Socio-economic measures    b) Physical measures    c) Environmental measures    d)Post disaster measures
459.	The costs of catastrophic events continue to increase primarily because ..... (Answer : A) a) a. more people are moving into more hazardous areas    b) b. not enough people pay for insurance in hazardous areas to even out the costs    c) c. insurance companies are not making enough profit to satisfy their d)shareholders
460.	The first phase of environmental health management begins (Answer : A) a) Long before a disaster strikes    b) When a disaster strikes    c) Within the first three hours after

	the disaster has struck d)After the warning period
4-61.	The main objectives of First Aid? (Answer : D) a) a. To preserve life b) b. To prevent the victims condition from worsening c) c. To promote recovery d)d. All the above
4-62.	The role of which agency is important in disaster prevention. (Answer : A) a) Media b) Police c) Government officials d)Public
4-63.	What are the consequences of disaster on a society? (Answer : D) a) Loss of life b) Damage to property c) Environmental Damages d)All of the above
4-64. D)	What are the important measures to be taken in community level of disaster preparedness (Answer : D) a) Increased awareness b) Provision of early and timely warning c) Landuse planning d)All of the above
4-65.	What are the main prescribes procedures for standard operating? (Answer : D) a) Search and rescue b) Medical assistant c) Casualty management d)All of the above
4-66.	What are the major Hazard/disaster management related activities? (Answer : D) a) a. Preparedness b) b. Response c) c. Recovery d)d. All of the above
4-67. above	What are the major types oriented to mitigation measures of hazards and disasters? (Answer : C) a) Public mitigation measures b) Community mitigation measures c) Both a and b d)None of the above
4-68.	What are the roles of NGOs in disaster related preparedness stage? (Answer : D) a) a. Public awareness and education b) b. Vulnerability and risk assessment c) c. Forming and training DNTs, introducing alternative technologies d)d. All of the above
4-69.	What are the technologies involved in the detection of Tsunami? (Answer : D) a) a. Satellites to provide warning of tsuna-migenic earthquakes gauges b) c. Tsunami detectors linked to land by submarine cables c) b. Coastal tidal d)d. All of the above
4-70.	What are the three phases of disaster management planning? (Answer : A) a) a. Preparation, Response and Recovery b) b. Preparation, Planning and Perception c) c. Evacuating, Rebuilding and Re-branding d)d. Planning, Evacuating and Recovery
4-71.	What can happen to make a moderate-size event into a large natural disaster? (Answer : B) a) a. cyclic events that tend to get stronger with time b) b. overlapping events that amplify the effect c) c. cyclic events that get progressively bigger as each one adds to the next in the series d)d. the multiplying effect of events of a given type in the same area
4-72.	What does the acronym ISDR stand for? (Answer : C) a) International Significant Disaster Resources b) Development Report c) International Strategy for Disaster Reduction d)Developing Recreation
4-73.	What kind of natural hazards are not normally insurable? (Answer : C) a) b. volcanoes b) c. landslides c) d. floods d)
4-74. above	Which of the following activities is covered by Disaster Management before, during or after a disaster? (Answer : D) a) a) Reconstruction and Rehabilitation b) b) Mitigation c) c) Emergency response d)d) All the above

	475.	Which of the following agencies are the National Disaster Risk Reduction stakeholders? (Answer : D) a) Central Government b) National Disaster Offices c) Private Sector d) All of the above
B)	476.	Which of the following organization is the apex authority of disaster management in India? (Answer : B) a) NDA B b) NDMA C c) CDMA D d) INDR
	477.	Who shall be the first responders in disaster management situation? (Answer : B) a) a. Central Government b) b. Community c) c. Local Government d) d. State Government
	478.	Rashtriya Barh Ayog (National Flood Commission) identified _____ million hectares of land as flood-prone in India. (Answer : A) a) 40 b) 80 c) 100 d) 120
	479.	"Kalbaisakhi" is a kind of thunder storm witnessed in the states of (Answer : C) a) Nagaland, Tripura and Sikkim b) Mizoram, Assam and Manipur c) Assam, Tripura and West Bengal d) West Bengal, Manipur and Mizoram
	480.	A Certificate course in Disaster Management is offered by? (Answer : A) a) a. Indira Gandhi National Open University b) b. B.R. Ambedkar National Open University c) c. Nalanda Open University d) d. Vardhaman Mahavir Open University
	481.	According to the World Bank, during the period 1996 to 2000, the approximate percentage loss of gross domestic produce due to disasters was? (Answer : B) a) a. 2.85% b) b. 2.25% c) c. 2.50% d) d. 1.95%
	482.	Andhra Pradesh was severely battered by a cyclonic storm killed more than 10,000 lives on? (Answer : B) a) a. 15.11.1976 b) b. 15.11.1977 c) c. 15.11.1978 d) d. 15.11.1975
	483.	Andhrapradesh is in (Answer : B) a) a) West coast b) b) East coast c) c) North India d) d) None of these
	484.	Bhu j earthquake occurred in (Answer : B) a) (a) 23 January, 2001 b) (b) 26 January, 2001 c) (c) 31 January, 2001 d) (d) 29 January, 2001
	485.	Choose the number of National Highway in Tripura - (Answer : B) a) a) 45 b) b) 44 c) c) 46 d) d) 31
	486.	H1N1 virus is: (Answer : B) a) (a) Bird flu b) (b) Swine flu c) (c) Cattle flu d) (d) None of the above.
	487.	High intensity and long duration of rainfall in Tripura causes --- (Answer : B) a) a) Earthquakes b) b) Floods c) c) Landslides d) d) Cyclone
	488.	Hotspot of landslide in India is (Answer : D) a) a. Himalayan valleys b) b. Sri Lanka c) c. Indonesia d) d. All the above
	489.	How many Blocks are there in Tripura - (Answer : B) a) a) 54 b) b) 58 c) c) 57 d) d) 51
	490.	How many Districts in Tripura - (Answer : B) a) a) 6 b) b) 8 c) c) 7 d) d) 3
	491.	How many sub divisions in Tripura - (Answer : B) a) a) 25 b) b) 23 c) c) 24 d) d) 26

492.	How much of India's coastline is vulnerable to Disasters? (Answer : D) a) a. ~ 5340km b) b. ~ 5400km c) c.~ 6200km d)d. ~ 5700km
493.	How much percentage of Indian land is prone to earthquakes? (Answer : C) a) a. 52% b) b. 54% c) c. 59% d)d. 60%
494.	In India National Institute of Disaster Management is located at (Answer : D) a) a. Manipur b) b. Punjab c) c. Hyderabad d)d. New Delhi
495.	In India Tsunami Warning centre is located at (Answer : B) a) A. Kolkata b) B. Hyderabad c) C. Ahmadabad d)D. None of the above
496.	In India, Cyclone is tracked through which satellite? (Answer : A) a) A) INSAT b) B) IRS c) C) Ocean SAT d)D) None of the above
497.	In India, highest percentage of damages causes by flood hazards - (Answer : B) a) a) Uttar Pradesh b) b) Bihar c) c) West Bengal d)d) Tripura
498.	In Tripura, The State Executive Committee (SEC) is headed by (Answer : A) a) A. Chief Secretary of state b) B. Chief Minister c) C. Governor d)D. None of the above
499.	In Tripura, which nodal agency play crucial role in organising community capacity building programmes and conducting mock drills at State, District and Block levels (Answer : A) a) National Disaster Response Force b) National Informatics Centre c) District Disaster Management Authority d) Tripura Disaster Management Authority
500.	In which month in India, floods are likely to occur? (Answer : C) a) a. June-December b) b. June-September c) c. May-October d)d. Aril-June
501. (Answer : D)	In which year a cyclone struck the Coastal Andhra in Krishna Godavari delta and caused havoc? a) a. 1976 b) b. 1979 c) c. 1978 d)d. 1977
502.	In which year Tripura Legislative Assembly Election held - (Answer : B) a) a) 18 Jan, 2018 b) b) 18 Feb, 2018 c) c) 1 Jan, 2018 d)d) 14 Feb, 2018
503.	Latur earthquake occurred in (Answer : C) a) 1991 b) 1992 c) 1993 d) 1994
504.	Length of Indian coast line is (Answer : B) a) 6500 Km Approx b) 7500 Km Approx c) 8500 Km approx d) None of these
505.	Most of the Principal rivers in Tripura meets with which river of Bangladesh (Answer : A) a) A. Meghna b) B. Titas c) C. Padma d)D. None of the above
506.	Name of the first lady Governor of Tripura - (Answer : A) a) a) Dr. Kamala Beniwal b) b) Dr. Kaja Lal c) c) Dr. Partha Dey d)d) Dr. Raju Roy
507.	Name one wild life sanctuary in Tripura - (Answer : B) a) a) Gomati b) b) Sipahijola c) c) Dharmnagar d)d) Agartala
508.	Name the earthquake vulnerable building/s identified by Govt of Tripura (Answer : D) a) A. MBB College b) B. Ujjayanta palace c) C. Neer mahal d)D. All of he above

509.	Name the first high school in Tripura - (Answer : B) a) a) BBI b) b) Umakanta Academy c) c) RKI d)d) DNV
510.	Number of human live lost during 1980-2010 due to natural and induced hazards in India? (Answer : C) a) a. 1,42,265 b) b. 1,56,897 c) c. 1,43,039 d)d. 1,23,987
511.	On November 19,1977, a cyclone, which had been operated to hit Tamil Nadu, instead struck the Central Coast of and diverted several villages? (Answer : B) a) a. Kerela b) b. Andhra Pradesh c) c. Orissa d)d. Karnataka
512.	On what date a powerful earthquake struck South Eastern Iran and Caused heavy loss of life and property? (Answer : B) a) a. 26.12.2004 b) b. 26.12.2003 c) c. 26.12.2002 d)d. 25.11.2003
513.	Percentage of drought prone area in the India is (Answer : B) a) A. 8% b) B. 30% c) C. 15% d)D. None of the above
514.	The Bhopal Gas disaster occurred in (Answer : C) a) 1986 b) 2003 c) 1984 d)2009
515.	The Bhopal gas tragedy is an example of: (Answer : A) a) (a) Industrial disasters b) (b) Natural disasters c) (c) Nuclear disasters d)(d) None
516.	The cyclone that hit Odisha on October 29, 1999 is an example of (Answer : A) a) (a) Super cyclone b) (b) Silent cyclone c) (c) Cyclone storm d)(d) None
517.	The date when the super cyclone hit the Orissa coast which killed nearly 10,000 people and affected over 15 million people across 12 districts of Orissa is? (Answer : A) a) a. 29.08.1999 b) b. 29.08.1997 c) c. 29.08.1998 d)d. 29.08.1996
518.	The flood caused in Uttarakhand due to (Answer : A) a) (a) Cloud burst b) (b) Land slide c) (c) Earthquake d)(d) None of these
519.	The highest peak of Tripura is (Answer : A) a) A. Bethling sib b) B. Jarimura c) C. Feng pui d)D. Sakhan
520.	The Indian Tsunami Early Warning Centre (ITEWC) established at Indian National Centre for Ocean Information Sciences is located in (Answer : D) a) a) Chennai b) b)Goa c) c)Kochi d)d)Hyderabad
521.	The longest hill range in Tripura is (Answer : B) a) A. Baramura range b) B. Atharamura range c) C. Jampui range d)D. None of the above
522.	The name of cyclone in the north Indian ocean is (Answer : C) a) a) Typhoon b) b) Hurricane c) c) Severe cyclonic storm d)d) None of these
523.	The name of the chemical leakage in Bhopal Gas Tragedy - (Answer : B) a) a) Carbon dioxide b) b) Methyl Isocyanate c) c) Hydrogen d)d) Sulphur oxide
524.	The National Highway which passes through Tripura is: (Answer : C) a) a) 4 b) b) 2 c) c) 8 d)d) 12
525.	The presence of high hill ranges with alternate valleys in Tripura is much similar to the "ridge-Vale topography" of (Answer : C) a) The Manipur hills b) The Alps of Europe c) The Appalanchian region of USA d)The Eastern Ghats of India

526.	The river which causes tremendous floods in Assam is (Answer : D) a) (a) Ganga b) (b) Brahmaputra c) (c) Godavari d)(d) Barak
527.	The smallest river of Tripura is (Answer : B) a) A. Fenny b) B. Haora c) C. Juri d)D. None of the above
528.	The total cyclone prone area in India is (Answer : C) a) A. 15% b) B. 10% c) C. 8% d)D. 20%
529.	The total flood prone area in India is (Answer : C) a) A. 30% b) B. 20% c) C. 12% d)D. 10%
530.	The total geographical area of Tripura is: (Answer : B) a) a) 183.5sq.km b) b) 10,491sq.km c) c) 8152sq.km d)d) 1200 sq.km
531.	The toxic gas released from Bhopal Gas Tragedy was (Answer : A) a) (a) Methyl Isocyanate b) (b) Potassium Isocyanate c) (c) Sodium Isocyanate d)(d) Methyl Isothiocyanate
532.	What is/are the factor/s of river bank erosion in Tripura ? (Answer : D) a) A. Absence of deep rooted vegetables b) B. Steep bank angle c) C. Non-cohesive material in soil d)D. All of the above
533.	What type of disaster is most prominent in India? (Answer : A) a) Flood b) Draught c) Cyclone d)Earthquake
534.	When Bhopal Gas Tragedy occurred - (Answer : A) a) a) 3 Dec, 1984 b) b) 5 Dec, 1985 c) c) 3 Nov, 1984 d)d) 3 Dec, 1987
535.	When did Tsunami struck the east coast of India in recent times? (Answer : A) a) a) December 26, 2004 b) b) December 26, 2014 c) c) December 24, 2004 d)d) January 26, 1997
536.	When was the last major earthquake in India- (Answer : B) a) a) 27 JAN, 2001 b) b) 26 JAN, 2001 c) c) 27 FEB, 2002 d)d) 28 th APRIL, 2004
537.	Which body in the state of Tripura can declare emergency in case of state level disaster? (Answer : A) a) A. TDMA b) B. SEC c) C. DDMA d)D. SCMG
538.	Which department of Govt of Tripura is responsible for issuing warning regarding drought /dry spells ? (Answer : B) a) A. Health Department b) B. Agricultural Department c) C. Home Department d)D. None of the above
539.	Which gas caused Bhopal Gas Tragedy? (Answer : A) a) (a) Methyl Isocyanate b) (b) Carbon dioxide c) (c) Oxygen d)(d) Methane
540.	Which is the longest river in Tripura (Answer : B) a) A. Haora b) B. Gumti c) C. Muhuri d)D. None of the above
541.	Which is the most landslide prone area in India (Answer : C) a) A. Ganges valley region b) B. South Indian plateau c) C. Himalaya and north eastern hill d)D. None of the above
542.	Which is the only active volcano in India? (Answer : B) a) A. Volcano Popa b) B. Volcano of Barren Island c) C. Volcano Etna d)D. None of the above

543. Which of the following buildings of Tripura are identified as vulnerable to earthquake (Answer : D)  
a) a. MBB College b) b. Nir Mahal c) c. Ujjayanta Palace d)d. All of the above

544. Which of the following rivers in Tripura experience tide (Answer : B)  
a) a. Gumti b) b. Fenny c) c. Howra d)d. Khowai

545. Bhopal Gas Disaster is a kind of (Answer : B)  
a) a. Natural disaster b) b. Manmade disaster c) c. None of the above d)d. All the above

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