



PHYSICS

BOOKS - TARGET PUBLICATION

DISASTER MANAGEMENT

Exercise

1. Fill in the blanks :

..... Is a disaster that causes sudden

vibrations on the Earth and shaking of the Earth's surface .



Watch Video Solution

2. Fill in the blanks :

..... waves generated by earthquake leads to tremors .



Watch Video Solution

3. Fill in the blanks :

During earthquake , strong convulsions or waves at first reach the On the earth's surface .



[Watch Video Solution](#)

4. Fill in the blanks :

The intensity of earthquakes is measured in scale .



[Watch Video Solution](#)

5. Fill in the blanks :

As an effect of earthquake , ecosystem gets destroyed due to the loss of



Watch Video Solution

6. Fill in the blanks :

..... Is the best device that can be used for putting of small fires .



Watch Video Solution

7. Fill in the blanks :

During heavy rains , water entering the natural cracks and fissures in hard rock causes of rocks .



[Watch Video Solution](#)

8. Fill in the blanks :

Formation of artificial water reservoirs is an effect of



[Watch Video Solution](#)

9. Select the appropriate options and complete the following paragraph :

(strong, seismic waves, bureau of indian standards, IS 456, IS 13920, IS 1893, IS4560 , Epicentre , mild)

In earthquake , strong convulsions or waves at first reach the , therefore major loss occur near this area . On the earth , Earthquakes occur in larger numbers . destruction caused by earthquakes can be prevented by building earthquakes proof

buildings provides the code of conduct for construction of tall buildings . buildings are constructed as per which provides the codes of practice for general structural use of plain and reinforced concrete. ductile detailing of reinforced concrete structures subjected to seismic forces is provided as per provides criteria for earthquakeresistant design of structures .



Watch Video Solution

10. Choose the correct alternative :

Which of the following instrument record the intensity of earthquakes ?

A. seismometer

B. tide gauge

C. geiger counter

D. none of these

Answer:



Watch Video Solution

11. Choose the correct alternative :

From the following which one is NOT the cause of earthquake ?

A. underground atomic tests

B. landslides

C. mining

D. volcanic eruptions

Answer: A::D



Watch Video Solution

12. Choose the correct alternative :

Identify the instrument that is used for getting prior information about earthquake .

A. geiger counter

B. strain meter

C. creep meter

D. all of these

Answer: A::B::C::D



Watch Video Solution

13. Choose the correct alternative :

In which of the following categories are fires caused due to electrical components classified ?

A. class A fire

B. class B fire

C. class D fire

D. class E fire

Answer: A::C



Watch Video Solution

14. Choose the correct alternative :

Change of the following are the effects of landslides ?

A. change in path of rivers

B. traffic jams

C. loss of plant life

D. all of these

Answer: A::B::C::D



[Watch Video Solution](#)

15. MCQs based on practicals / projects :

NDRF stands for

- A. National defence rescue force
- B. National disaster response force
- C. national defense revolt force
- D. national democratic response force

Answer: A::C::D



[Watch Video Solution](#)

16. MCQs based on practicals / projects :

Which of the following is a tri-services organization comprising of army , navy and air force ?

A. CRPF

B. NDRF

C. NCC

D. RPF

Answer: C



Watch Video Solution

17. MCQs based on practicals / projects :

What does CCTV stand for ?

A. chanel connected television

B. closed circuit television

C. cable closed television

D. circuit cable television

Answer: C::D



 [Watch Video Solution](#)

18. Name the following :

Any two natural disasters



[Watch Video Solution](#)

19. Name the following :

Any two modern equipments to get prior intimation about earthquake



[Watch Video Solution](#)

20. Name the following :

Any two flammable liquid substances



Watch Video Solution

21. Name the following :

Any two flammable gasses



Watch Video Solution

22. Right or wrong . If wrong , write the correct sentence :

The focal point of earthquake is the point below the epicenter on the Earth's surface .



Watch Video Solution

23. Right or wrong . If wrong , write the correct sentence :

Intensified earthquakes generally occur in a larger number than the mild earthquakes .





[Watch Video Solution](#)

24. Right or wrong . If wrong , write the correct sentence :

The National Earthquakes information center estimates that around 12,400 - 14,000 earthquakes occur yearly .



[Watch Video Solution](#)

25. Right or wrong . If wrong , write the correct sentence :

Earthquake causes changes in the level of water-table .



[Watch Video Solution](#)

26. Right or wrong . If wrong , write the correct sentence :

Earthquake resistant buildings are not affected due to earth movements upto a certain limit .



[Watch Video Solution](#)

27. Right or wrong . If wrong , write the correct sentence :

Magnesium reacts with water at normal room temperature



[Watch Video Solution](#)

28. Right or wrong . If wrong , write the correct sentence :

Fire caused due to household gas is categorized as class D fire .



[Watch Video Solution](#)

29. Right or wrong . If wrong , write the correct sentence :

To extinguish a fire caused due to electrical components , non-conductive fire extinguishers like water are used .



Watch Video Solution

30. Right or wrong . If wrong , write the correct sentence :

Unlimited planting of trees results in soil erosion .



[Watch Video Solution](#)

31. Right or wrong . If wrong , write the correct sentence :

The government of india in collabration with indian mountaineering institute and international center for integrated mountain development has launched a program to forecast the landslides and its effect .



[Watch Video Solution](#)

32. Odd one out :

volcanic eruption , tsunami waves , mining ,
underground atomic tests



[Watch Video Solution](#)

33. Odd one out :

Potassium , sodium , calcium , zinc



[Watch Video Solution](#)

34. Odd one out :

Petrol , wood , acetylene , water



Watch Video Solution

35. Odd one out :

Clothes , coal , cooking oil , papers



Watch Video Solution

36. Complete the analogy :

Displacement of waterfalls : landslide :: change
in direction of flow of rivers :



Watch Video Solution

37. Complete the analogy :

Coal : Class A fire :: petrol :



Watch Video Solution

38. Match the following :

Column I		Column II	
i.	Class A Fire	a.	Combustible metals
ii.	Class B Fire	b.	Gaseous substances
iii.	Class C Fire	c.	Flammable solid substances
iv.	Class D Fire	d.	Flammable liquid substances



Watch Video Solution

39. Answer the following :

What is an earthquake ? What are the effects of earthquake ?



Watch Video Solution

40. Answer the following :

Write the possible causes of earthquake .



Watch Video Solution

41. Answer the following :

Is there any relation between dam and earthquake ? Explain .



Watch Video Solution

42. Answer the following :

What are earthquake resistant buildings ?



Watch Video Solution

43. Answer the following :

What are the specifications of an earthquake - proof building ?



Watch Video Solution

44. Answer the following :

Write the guidelines provided by Bureau of indian standards for construction of buildings

.



Watch Video Solution

45. Answer the following :

If a crowd gathers at the place of earthquake , what would be the difficulties in relief work ?



Watch Video Solution

46. Answer the following :

Classify and explain the different types of fire .



Watch Video Solution

47. Answer the following :

What is the difference between Class A fire and Class B fire ?



Watch Video Solution

48. Answer the following :

What is the difference between Class C fire and Class D fire ?



Watch Video Solution

49. Answer the following :

Describe the various methods for extinguishing fires .



Watch Video Solution

50. Answer the following :

Write the precautions and safety measures that should be followed in case of fire emergency .



Watch Video Solution

51. What is first aid?



Watch Video Solution

52. Answer the following :

How ' collapse of rift' occurs ?



Watch Video Solution

53. Answer the following :

Explain the relation between continuous rains and landslide . Give reasons .



Watch Video Solution

54. Answer the following :

What are the causes of landslide ?



Watch Video Solution

55. Answer the following :

Explain the effects of landslides .



Watch Video Solution

56. Give reasons :

It is safer to find the shelter under things like a bed , table at the time of earthquake .



Watch Video Solution

57. Give scientific reasons:

Don't use lifts at the time of earthquake.



Watch Video Solution

58. Give reasons :

The foundation of earthquake-proof building is separated from other land .



Watch Video Solution

59. Give reasons :

Gathering of crowd should be avoided near the earthquake affected area .



Watch Video Solution

60. Give scientific reasons:

In monsoon, don't take shelter near hillside.



Watch Video Solution

61. Give reasons :

Heavy rainfalls sometimes trigger landslide near mountains .



Watch Video Solution

62. Distinguish between :

Earthquake and landslide



Watch Video Solution

63. Complete the given chart/ table :

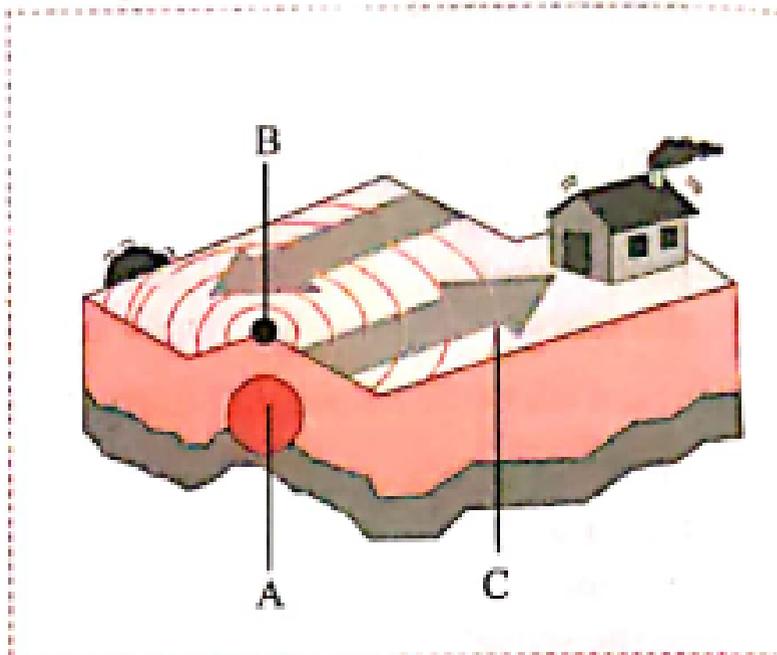
Prepare a chart showing Do's and Don't at the time of earthquake .



Watch Video Solution

64. Question based on diagram :

Identify A,B and C shown in the following diagram depicting the occurrence of an earthquake .:

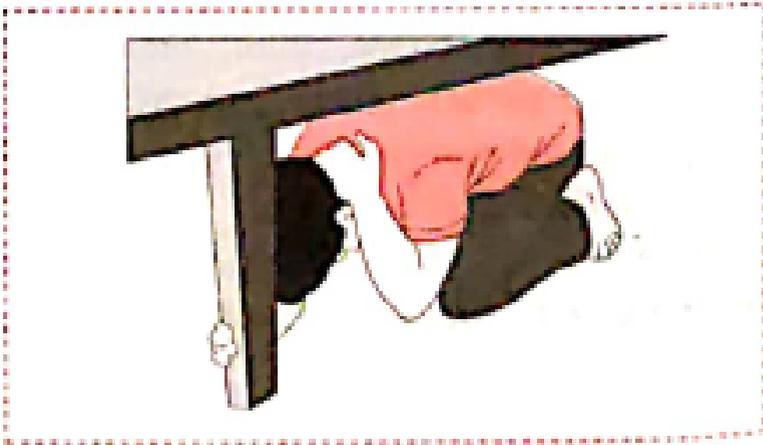


Watch Video Solution

65. Question based on diagram :

Observe the following pictures and answer the questions :

What does the picture represent ? Explain .:



Watch Video Solution

66. Questions based on paragraph :

Earthquakes refers to sudden vibrations on the Earth's surface and shaking of the earth .

This leads to generation of seismic waves causing tremors or shaking of Earth's surface .

The focal point of earthquake is the point below the epicenter on the earth surface . the

major loss occurs near the area where strong convulsions or waves first reach the epicenter .

earthquakes can be mild , uauslly occuring in larger numbers of intensified (acute) ,

occurring rarely . the magnitude of the

earthquake is measured in richter scale .:

Based on the given paragraph answer the following questions :

Which types of waves is generated due to earthquake and what is its effect ?



[Watch Video Solution](#)

67. Questions based on paragraph :

Earthquakes refers to sudden vibrations on the Earth's surface and shaking of the earth .

This leads to generation of seismic waves

causing tremors or shaking of Earth's surface .

The focal point of earthquake is the point

below the epicenter on the earth surface . the

major loss occurs near the area where strong

convulsions or waves first reach the epicenter .

earthquakes can be mild , usually occurring in

larger numbers of intensified (acute) ,

occurring rarely . the magnitude of the

earthquake is measured in richter scale . :

Based on the given paragraph answer the

following questions :

Write any two causes of earthquake ?



Watch Video Solution

68. Questions based on paragraph :

Earthquakes refers to sudden vibrations on the Earth's surface and shaking of the earth .

This leads to generation of seismic waves causing tremors or shaking of Earth's surface .

The focal point of earthquake is the point below the epicenter on the earth surface . the

major loss occurs near the area where strong convulsions or waves first reach the epicenter .

earthquakes can be mild , uauslly occuring in larger numbers of intensified (acute) ,

occurring rarely . the magnitude of the earthquake is measured in richter scale .:

Based on the given paragraph answer the following questions :

Mention any one precaution that should be followed during an earthquake .



[Watch Video Solution](#)

69. Questions based on paragraph :

Earthquakes refers to sudden vibrations on the Earth's surface and shaking of the earth .

This leads to generation of seismic waves causing tremors or shaking of Earth's surface .

The focal point of earthquake is the point

below the epicenter on the earth surface . the

major loss occurs near the area where strong

convulsions or waves first reach the epicenter .

earthquakes can be mild , usually occurring in

larger numbers of intensified (acute) ,

occurring rarely . the magnitude of the

earthquake is measured in richter scale . :

Based on the given paragraph answer the

following questions :

What is a seismometer ?



Watch Video Solution

70. Questions based on paragraph :

Earthquakes refers to sudden vibrations on the Earth's surface and shaking of the earth .

This leads to generation of seismic waves causing tremors or shaking of Earth's surface .

The focal point of earthquake is the point below the epicenter on the earth surface . the

major loss occurs near the area where strong convulsions or waves first reach the epicenter .

earthquakes can be mild , uauslly occuring in

larger numbers of intensified (acute) ,
occurring rarely . the magnitude of the
earthquake is measured in richter scale . :

Based on the given paragraph answer the
following questions :

Name two modern equipments used to get
prior intimation about earthquake .



[Watch Video Solution](#)

71. What do you mean by disaster?



[Watch Video Solution](#)

72. What are the different types of disasters ?



Watch Video Solution

73. Collect information about Richter scale and effects of earthquakes .



Watch Video Solution

74. Fire is a natural calamity or man-made calamity?



Watch Video Solution

75. What are the reasons for 'Malin' mishap in Pune district? What are its effects?



Watch Video Solution

76. What is the landslide?



[Watch Video Solution](#)

77. In maharashtra where do the traffic jams occur due to landslides . Make a list of such places .



[Watch Video Solution](#)

78. Why do lanslides occur at those places only ?



[Watch Video Solution](#)

79. Discuss in the classroom and suggest preventive measures .



Watch Video Solution

80. Collect information about NDRF , RPF , CRPF , and NCC from the internet .



Watch Video Solution

81. Discuss need of CCTV .



Watch Video Solution

82. Answer the following :

Complete the analogy :

Fire caused due to combustible metals : ::

fire caused due to flammable gases : class C

fire .



Watch Video Solution

83. Answer the following :

Find the odd one out :

volcanic eruptions , mining , underground
atomic tests , soil erosion



Watch Video Solution

84. Answer the following :

State right or wrong . If wrong , write the
correct sentence :

To control the fire caused due to electricity
water can be used .



[Watch Video Solution](#)

85. Answer the following :

Name the following :

Commonly flammable substances classified under Class A fire .



[Watch Video Solution](#)

86. Answer the following :

Match the following :

	Column I		Column II
a.	Earthquake	1.	Formation of artificial water reservoirs
b.	Landslide	2.	Cool out
		3.	Seismic waves



[Watch Video Solution](#)

87. Choose the correct alternative :

Which of the following is NOT the natural cause of landslide ?

A. heavy rains

B. tsunami

C. floods

D. mountain digging

Answer:



Watch Video Solution

88. Choose the correct alternative :

Which of the following security forces in india is concerned with the protection of railway passengers and railway property ?

A. CRPF

B. NDRF

C. RPF

D. NCC

Answer:



Watch Video Solution

89. Choose the correct alternative :

Which of the following instrument is NOT used for getting prior intimation of earthquake ?

A. strainmeter

B. tiltmeter

C. creep counter

D. spectrometer

Answer:



Watch Video Solution

90. Answer the following :

Construction of big dams may cause earthquake . Give reasons .



[Watch Video Solution](#)

91. Answer the following :

Give four examples of flammable liquid substances .



[Watch Video Solution](#)

92. Answer the following :

What are the effects of landslides ?



[Watch Video Solution](#)

93. Answer the following :

Explain the various methods for extinguish fires .



Watch Video Solution

94. Answer the following :

Write any three precautionary measures that should be followed at the time of earthquake .



Watch Video Solution

95. Answer the following :

Classify the following according to types of fires they cause and explain each of these types in details :

Wood



Watch Video Solution

96. Answer the following :

Classify the following according to types of fires they cause and explain each of these

types in details :

Petrol



[Watch Video Solution](#)

97. Answer the following :

Classify the following according to types of fires they cause and explain each of these types in details :

LPG



[Watch Video Solution](#)

98. Answer the following :

Classify the following according to types of fires they cause and explain each of these types in details :

Electrical components



Watch Video Solution

99. Answer the following :

Classify the following according to types of fires they cause and explain each of these

types in details :

Combustible metals



[Watch Video Solution](#)

100. Answer the following :

Explain in detail the relation between heavy rains and landslides .



[Watch Video Solution](#)

101. Answer the following :

The foundation of earthquake resistant building is separated from otherland . Justify .



Watch Video Solution