

TEST - 16 (IPM 2021)

49. Which of the following are benefits and applications of nanoscience?

1. Nanoscale additives to fabrics can help them resist wrinkling, staining, and bacterial growth.
2. Nano-bioengineering of enzymes may enable conversion of cellulose from wood chips, corn stalks, unfertilized perennial grasses, etc., into ethanol for fuel.
3. Nanostructured ceramic coatings exhibit much greater toughness than conventional wear-resistant coatings for machine parts.

Which of the statements given above are correct?

- A. 1 and 2 only B. 2 and 3 only C. 1 and 3 only D. 1, 2 and 3

50. Consider the following statements regarding Mission on Nano Science and Technology

1. It will be anchored in the Department of Atomic Energy.
2. Nano Mission Council chaired by Prime Minister.

Which of the statements given above is/are correct?

- A. 1 only B. 2 only C. Both 1 and 2 D. Neither 1 nor 2

51. Consider the following statements regarding Carbon nanotubes (CNT)

1. Carbon nanotubes (CNT) are cylindrical molecules consisting of rolled-up sheets of single-layer carbon atoms, namely, graphene.
2. Carbon nanotubes are used in applications that require high strength and electrical conductivity.

Which of the statements given above is/are correct?

- A. 1 only B. 2 only C. Both 1 and 2 D. Neither 1 nor 2

52. Which of the following are applications of Satellite communication (SATCOM)?

1. DTH services
2. Tele-education project
3. Water Resources Information System

Which of the statements given above are correct?

- A. 1 and 2 only B. 2 and 3 only C. 1 and 3 only D. 1, 2 and 3

53. Consider the following statements regarding UN Human Rights Council

1. It is made up of 47 member states, which are selected by the UN General Assembly.
2. Members serve for a period of three years.
3. It passes binding resolutions and recommendations by majority vote.

Which of the statements given above is/are correct?

- A. 1 and 2 only B. 1 and 3 only C. 2 and 3 only D. 1, 2 and 3

54. Consider the following statements regarding Ways and Means Advances

1. Under Section 17(5) of RBI Act, 1934, the RBI provides Ways and Means Advances (WMA) to the central and State/UT governments.
2. The WMA loans have a three-month tenure
3. The limits for WMA are decided by Government of India.

Which of the statements given above is/are correct?

- A. 1 and 3 only B. 2 and 3 only C. 2 only D. 1, 2 and 3

55. Consider the following statements regarding Rohtang Pass

1. It is located in Jammu and Kashmir
2. It is present on the Pir Panjal Range of Himalayas.
3. It connects the Kullu Valley with the Lahaul and Spiti Valleys of Himachal Pradesh

Which of the statements given above is/are correct?

- A. 1 and 3 only B. 2 and 3 only C. 1 and 2 only D. 1, 2 and 3

56. Nirmal Paintings, sometime seen in the news, is largely practiced in which of the state?

- A. Telangana B. Uttar Pradesh C. Punjab D. Gujarat

57. Consider the following statements regarding Nutrient Based Subsidy scheme

1. Non-Urea fertilizers prices are decontrolled by government.
2. Nutrient Based Subsidy scheme introduced by the government to ensure the availability of phosphate and potash fertilizers to farmers at an affordable price

Which of the statements given above is/are correct?

- A. 1 only B. 2 only C. Both 1 and 2 D. Neither 1 nor 2

58. Consider the following statements regarding Hydrogen Fuel

1. It is a zero-emission fuel which can be burned with oxygen.
2. It can be used in fuel cells or internal combustion engines.
3. Hydrogen is the most abundant element in the universe.

Which of the statements given above is/are correct?

- A. 1 and 2 only B. 3 only C. 1, 2 and 3 D. 1 and 3 only