

1. MODEL With reference to QRSAM system recently launched by Defence Research and Development Organisation (DRDO), consider the following statements:
 1. It is a canister-based system.
 2. It is a long range surface-to-air missile system.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. With reference to Willow Warbler, consider the following statements:
 1. Their natural habitat is in Amazon forests.
 2. Their status in IUCN Red List is Least Concerned.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**
3. Why does the Government of India promote the use of 'Neem-coated Urea' in agriculture?
(a) Release of Neem oil in the soil increases nitrogen fixation by the soil microorganisms.
(b) Neem coating slows down the rate of distribution of urea in the soil
(c) Nitrous oxide, which is a greenhouse gas, is not at all released into the atmosphere by crop fields.
(d) It is a combination of a weedicide and a fertilizer for particular crops.
4. In the context of the development in Bio informatics, the term 'Transcriptome', sometimes seen in the news, refer to
(a) A range of enzymes used in genome editing
(b) The full range of mRNA molecules expressed by an organism
(c) The description of the mechanism of gene expression
(d) A mechanism of genetic mutations taking place in cells
5. What is/are the unique about the 'Kharai Camel' a breed found in India:
 1. It is capable of swimming up three kilometers in seawater
 2. Its survives by grazing on mangroveselect the correct Answers using the code given below
(a) 1 only
(b) 2 only
(c) Both 1 and 2
(d) Neither 1 nor 2
6. With reference to an initiative called 'the economics of ecosystems and biodiversity (TEEB)' which of the following statements is/are correct?
 1. it is an initiative hosted by UNEP IMF and world economic forum
 2. it is a global initiative that focuses on drawing attention to the economic benefits of biodiversity
 3. it presents an approach that can help decision-makers recognize demonstrate and capture the value of ecosystem and biodiversitySelect the correct and Answer using the code given below
(a) 1 and 2 only
(b) 3 only
(c) 2 and 3 only
(d) 1,2 and 3
7. Which of the following statements is/are correct ? Proper design and effective implementation of UN REDD+ programme can significantly contribute
 1. protection of biodiversity
 2. resilience of forest ecosystem
 3. property reductionSelect the correct Answer using the code given below
(a) 1 and 2 only
(b) 3 only
(c) 2 and 3 only
(d) 1, 2 and 3
8. A sandy and saline area is the natural habitat of an Indian animal species. The animal has no predators in that area but its existence is threatened due to the destruction of its habitat. Which one of the following could be that animal ?

- (a) Indian wild buffalo
(b) **Indian wild ass**
(c) Indian wild boar
(d) Indian gazelle
9. Biodiversity forms the basis for human existence in the following ways :
1. Soil formation
 2. Prevention of soil erosion
 3. Recycling of waste
 4. Pollination of crops
- Select the correct answer using the codes given below
- (a) 1,2 and 3 only
(b) 2, 3 and 4 only
(c) 1 and 4 only
(d) **1, 2, 3 and 4 only**
10. Consider the following statements :
1. Biodiversity is normally greater in the lower latitudes as compared to the higher latitudes.
 2. Along the mountain gradients, biodiversity is normally greater in the lower altitudes as compared to the higher altitudes.
- 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
11. Consider the following statements regarding "Vaccine".
1. A vaccine is a biological preparation that provides active acquired immunity to a particular infectious disease.
 2. A vaccine always contains diseasecausing microorganism.
- Which of the statements given above is/are incorrect?
- (a) 1 only
(b) **2 only**
(c) Both 1 and 2
(d) None of the above
12. Consider the following statements about the hypersonic missiles:
1. The missiles which travel at speeds above or equal to 5 Mach are called hypersonic missiles.
 2. Only Russia and the US have operational hypersonic missiles in the world.
- 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
13. Which of the following space missions deal with the exploration of sun's atmosphere?
1. Parker probe
 2. Aditya L1 Mission
 3. BepiColombo
- Select the correct answer using the code given below:
- (a) 1 only
(b) **1 and 2 only**
(c) 1 and 3 only
(d) 1, 2 and 3
14. Which of the following can be associated with Poly Metallic Nodules?
1. Manganese
 2. Nickel
 3. Cobalt
 4. Copper
 5. Iron
- Select the correct answer using the code given below:
- (a) 1, 2 and 4 only

- (b) 2, 3, 4 and 5 only
(c) 1, 3, 4 and 5 only
(d) 1, 2, 3, 4 and 5
15. Which of the following statements about ethanol in India, is/are correct?
1. It is allowed to be only produced from sugarcane.
2. It has been mandated to mix 30% Ethanol with petrol under the Ethanol Petrol blending programme.
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
16. Consider the following statements about the Gaganyaan?
1. It is India's manned space mission.
2. A PSLV will be used to carry the crew into space.
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
17. Consider the following statements:
1. After Chandrayaan 1 mission, India became the 4th country to reach Lunar surface.
2. Had it been a success Chandrayaan 2 would be the 1st lander mission to moon's south pole.
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
18. With reference to the Quick Reaction Surface to Air missile (Maitri), which of the following is/are correct?
1. It is propelled by liquid fuel.
2. It is most effective for High Flying target.
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
19. Which of the following statements are correct about PSLV?
1. It contains 3 stages
2. It has both liquid and solid stages
3. It cannot launch satellites into polar orbits
Select the correct answer using the code given below:
(a) 1 and 3 only
(b) 2 and 3 only
(c) 2 only
(d) 1, 2 and 3
20. Which of the following is true with respect to SARS-COV2?
1. It is a DNA virus
2. It has more than one way to enter the host cell
Select the correct code using the codes given below:
(a) 1 only
(b) 2 only
(c) Both 1 and 2
(d) Neither 1 nor 2
21. Consider the following statements:
1. Pradhan Mantri Urja Ganga Project envisages laying gas pipelines all across River Ganga.
2. The North East Region (NER) Gas Grid will pass through all North Eastern States.
Which of the above statements is/are correct?

- (a) 1 only **(b) 2 only**
(c) Both 1 and 2 (d) Neither 1 nor 2
22. With reference to Parliamentary standing committee, consider the following statements:
1. The members of the standing committees are nominated from the Lok Sabha only.
2. A minister is not eligible to be nominated as a member of any of the standing committees.
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
23. Consider the following statements:
1. The Ministry of Environment Forest and Climate Change along with the Convention on Biological Diversity (CBD) has come up with the 'Firefly bird diverters' initiative.
2. The firefly bird diverters' initiative is launched for the Great Indian Bustards (GIB) to prevent them from electrocution.
3. The GIB is listed as Endangered in the IUCN Red List.
Which of the given statements is/are correct?
(a) 1 and 2 only **(b) 2 only**
(c) 2 and 3 only (d) 1, 2 and 3
24. With reference to the Centre for Development of Telematics (C-DOT), consider the following statements:
1. C-DOT was established as a telecom research and development centre of the Department of Telecommunications.
2. The central registry for the PM-WANI scheme will be handled by the C-DoT.
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
25. Which of the following statements are correct?
1. GalSafe pigs are the first approved animal biotechnology product for both food and biomedical purposes.
2. In India, use of Genetically Modified Organisms (GMOs) are regulated under the Environment (Protection) Act, 1986.
3. BT cotton is the only Genetically Modified (GM) crop that is allowed in India.
Select the correct answer using the code given below:
(a) 1 and 3 only (b) 2 and 3 only
(c) 1 and 2 only **(d) 1, 2 and 3**