Q.1) Consider the following statements about 'Fields Medal'

1. It is awarded to mathematicians and physicists
2. It is awarded annually at the International Congress of the International Mathematical Union (IMU)

Select the correct statements

a) 1 Only
b) 2 Only
c) Both 1 and 2
d) Neither 1 nor 2

Q.1) Solution (d)

The Fields Medal is a prize awarded to two, three, or four mathematicians under 40 years of age at the International Congress of the International Mathematical Union (IMU), a meeting that takes place every four years.

Source: https://www.thehindu.com/news-service/indian-origin-mathematician-wins-fields-medal/article24578348.ece

Q.2) Consider the following statements about Advanced Air Defence (AAD)

1. It is a single stage solid rocket propelled guided missile
2. It can intercept incoming ballistic missile at altitudes of up to 30km

Select the correct statements

a) 1 Only
b) 2 Only
c) Both 1 and 2
d) Neither 1 nor 2

Q.2) Solution (c)

Advanced Air Defence (AAD) is an anti-ballistic missile designed to intercept incoming ballistic missiles in the endo-atmosphere at an altitude of 30 km (19 mi). AAD is a single-stage, solid-fuelled missile.

It is equipped with an inertial navigation system, advanced computer and an electro-mechanical activator.

The AAD has a length of 7.5m, diameter less than 0.5m and weight of around 1.2t. The missile can be launched from an 8 x 8 Tatra transporter-erector.

Source: https://www.business-standard.com/article/pti-stories/supersonic-interceptor-missile-successfully-test-fired-118080201529_1.html

Q.3) Consider the following statements about 'Move Hack'

1. It is aimed at the future of transportation and mobility.
2. It is launched by NITI Aayog in partnership with Government of Singapore.

Select the correct statements

a) 1 Only
b) 2 Only
c) Both 1 and 2
d) Neither 1 nor 2

Q.3) Solution (c)

NITI Aayog has launched Move Hack, a global mobility hackathon to crowdsource solutions aimed at the future of mobility in India.

MoveHack aims to bring about innovative, dynamic and scalable solutions to problems pertaining to mobility. The hackathon has two-pronged campaign approach:

a) "Just Code It": aimed at solutions through innovations in technology / product / software and data analysis, and
b) "Just Solve It": innovative business ideas or sustainable solutions to transform mobility infrastructure through technology.

The hackathon is organized in partnership with Government of Singapore and is powered by Hacker Earth. PwC is the Knowledge Partner and NASSCOM is the Strategic Partner.

Source: http://pib.nic.in/newsite/PrintRelease.aspx?relid=181379

Q.4) Corruption Perceptions Index is released by

a) Global Organization of Parliamentarians against Corruption
b) World Economic Forum
c) Association for Social Transparency, Rights and Action (ASTRA)
d) Transparency International

Q.4) Solution (d)

The Berlin-based corruption watchdog Transparency International (TI) has put India at rank 81 in its latest Corruption Perception Index.

Source: https://www.firstpost.com/india/indians-put-highest-level-of-effective-trust-in-army-followed-by-sc-govt-officials-and-political-parties-least-trusted-4731891.html

Q.5) CLOUD Act enacted by United States is associated with

a) Overseas Use of Data
b) Guns Control
c) Immigrants and Refugees
d) Asylum Seekers

Q.5) Solution (a)

CLOUD Act seeks to de-monopolise control over data from U.S. authorities. The law will for the first time allow tech companies to share data directly with certain foreign governments. It requires an executive agreement between the U.S. and the foreign country certifying that the state has robust privacy protections, and respect for due process and the rule of law.

Source: https://www.thehindu.com/opinion/op-ed/data-localisation-is-not-enough/article24584698.ece