



## DAILY PT MCQs-CRACK PRELIMS 2020 TEST-X (GENERAL SCIENCE)

**1. Consider the following statements with reference to 'Food Web'**

1. Generally food web consists of only three or four steps because of 10% energy law in Food web.
2. Each stage in the Food Web is called as Seral level.

Which of the statements given above is/ are INCORRECT?

- a) 1 only                      b) 2 only  
c) Both                        d) Neither 1 nor 2

**2. With reference to Nuclear Energy generation, consider the following statements**

1. Hydrogen isotopes joining together to create helium is called as Nuclear fission.
2. The nuclear fission reactions are the source of energy in the sun and other stars.
3. Hydrogen bomb is based on the thermonuclear fusion reaction.

Which of the statements given above is/ are CORRECT?

- a) 2 only                      b) 1 and 2 only  
c) 2 and 3 only            d) 3 only

**3. With reference to GSAT-11, consider the following statement.**

- 1) It is heaviest satellite built by ISRO till now.
- 2) First time use of Ka-band introduced in india through it.
- 3) It will be placed in Circular Geo-stationary orbit.

Select the correct answer by using code given below.

- a) 1 and 2 only              b) 2 and 3 only  
c) 1, 2 and 3                d) All are incorrect.

**4. Which of the following statements are INCORRECT?**

1. When wood is burnt in the limited supply of oxygen, then water and volatile material present in it get moved and charcoal is left behind as the residue.
2. Charcoal burns without flames is comparatively smokeless and has a higher heat generation efficiency.

Select the correct answer using the codes given below:

- a) 1 only                      b) 2 only  
c) Both                        d) Neither 1 nor 2

**5. Which of the gases are generated in Bio gas plant?**

1. Methane gas
2. Carbon dioxide

3. Hydrogen
4. Hydrogen sulphide

Select the correct answer using the codes given below:

- a) 1 and 2 only                      b) 1, 2 and 4 only  
c) 1 and 3 only                      d) 1, 2, 3 and 4

**6. Choose the INCORRECT statement from given below**

- a) Domestic houses receive Direct current electric power of 220V with a frequency of 50Hz.
- b) The pattern of magnetic field around a conductor due to an electric current flowing through it depends on the shape of the conductor.
- c) A current carrying conductor when placed in a magnetic field experiences a force.
- d) Fuse acts as a safety device in case of short circuiting or overloading of the circuits.

**7. With reference to RHODIOLA, consider the following statement.**

- 1) It is a Herb found in cold and highland climates.
- 2) It is locally known as SOLO in Himachal.
- 3) It can reduce the effect of Gamma radiation used in nuclear bombs.

Select the correct answer by using code given below:

- a) 1 and 2 only                      b) 2 only  
c) 1 and 3 only                      d) 1, 2 and 3.

**8. Which of the following devices are based on Joule's heating?**

1. Iron
2. Electric oven
3. Electric kettle

Select the CORRECT answer using the codes given below:

- a) 1 only                                      b) 1 and 2 only  
c) 1 and 3 only                              d) 1, 2 and 3

**9. Choose the INCORRECT statements given below:**

- a) All the electric appliances in household are connect in parallel to each other.
- b) The color of the scattered light depends on the size of the scattering particle.
- c) Self pollination can only be achieved through winds.
- d) Hypermetropia can be corrected by using a convex lens of appropriate power.

**10. Which of the following phenomenon is/ are due to Scattering of Light?**

1. Tyndal Effect
2. Blue color to sky
3. Color of sun at sun-rise and sun set

Select the CORRECT answer using the code given below:

- a) 1 and 3 only                              b) 1 only  
c) 2 and 3 only                              d) 1, 2 and 3

**11. Consider the following statements with reference to Eye,**

1. Light enters the eye with thin membrane called cornea.
2. Size of the pupil is controlled by Iris.
3. Inverted image is formed on the retina of eye.

Which of the statements given above is/ are CORRECT?

- a) 1 and 2 only                              b) 2 only  
c) 1, 2 and 3                                d) 3 only

12. Which of the following uses the convex mirrors?

- a) Torches
- b) Rear view mirror
- c) Vehicle headlights
- d) Dentists using mirrors to see large images of the teeth of patients.

13. Which of the following is NOT a part of female reproductive system in human beings?

- a) Ovary
- b) Uterus
- c) Vas deferens
- d) Fallopian Tube

14. Which of the following statements given is/are CORRECT?

- 1. Solar cells are based on the Principle of Conversion of Photo-voltaic effect to Electric energy.
- 2. Wave energy involves conversion of potential energy to Electric energy.

Select the CORRECT answer using the codes give below:

- a) 1 only
- b) 2 only
- c) Both
- d) Neither 1 nor 2

15. With reference to Telerobotic coronary intervention, consider the following statement.

- 1) India became the world's first to successfully perform it.
- 2) It is important for high emergency situations of heart attack and strokes.

Select the correct statement by using the code given below:

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

16. Choose the INCORRECT statement among the following

- a) Fertilized egg (zygote) gets implanted in the lining of the ovary and start dividing.
- b) Embryo gets nutrition from the mother's blood with the help of a special tissue called placenta.
- c) Female germ cells are produced in the ovaries.
- d) Testes are located outside of the body because sperm formation requires a lower temperature than normal body temperature.

17. Consider the following statement about FORMALIN.

- 1) It is using in fishing industry to increase the shelf life of fish.
- 2) Also It can be used a fungicide and germicide.

Select the correct answer by using the code given below:

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

18. In case of Kidney failure, an artificial kidney can be used. This device to remove nitrogenous wastes products from the blood through dialysis. Consider the following with respect to dialysis

- 1. The dialyzing fluid has same osmotic pressure as blood, except that it is excess of nitrogenous wastes.
- 2. The waste products from blood pass into dialyzing fluid by diffusion.

Which of the statements given above is/ are CORRECT?

- a) 1 only
- b) 2 only



- 1) Available spectrum for 5G is 30Ghz compare to 3Ghz of 4G.
- 2) 5G is a wireless communication technology using radio waves in compare to 4G broadband cellular

technology.

Select the correct answer by using code given below;

- a) 1 only                      b) 2 only  
 c) Both 1 and 2              d) Neither 1 nor 2

**ANSWER**

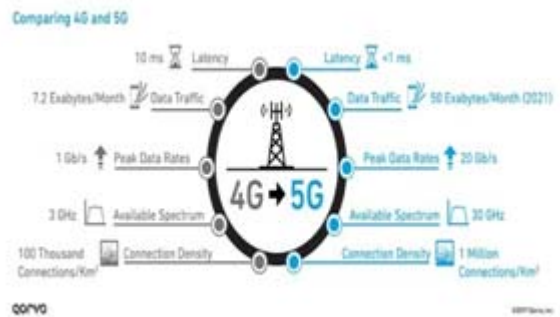
1. **Answer: (b)**
2. **Answer: (c)**
3. **Answer: (c)** GSAT-11 the heaviest satellite, weigh around 5855kg built by ISRO. It is part ISRO new family of high throughout communication Satellite(HTS) that will drive the country internet broadband from space to untouched areas.
  - It carries 40 transponder in ku(32)/ka(8) band. For the first time use of Ka band is introduced in India through GSAT-11. It will be placed in a geo-stationary satellite.
4. **Answer: (d)**
5. **Answer: (d)**
6. **Answer: (a)**
7. **Answer: (c)** Indian scientist have found a wonder herb which regulates the immunity system. It is found in cold and highland climate, could be the end to the quest for mythical herb named Sanjeevani. It is also found in U.S and China. Locally it is known as SOLO in Ladakh. Also it can reduce the effect of Gamma radiation used in nuclear bombs.
8. **Answer: (d)**
9. **Answer: (c)**
10. **Answer: (d)**
11. **Answer: (c)**
12. **Answer: (b)**

13. **Answer: (c)**
14. **Answer: (a)**
  - **Explanation:** Wave energy involves conversion of Kinetic energy to electric energy.
15. **Answer: (c)** Telerobotic coronary intervention: - India became the world' first to successfully perform. It is robotic method of performing heart surgery with the help of internet and a robotic tower. This technology is important for high emergency situations of heart attack and stroke. It has the potential to improve patient access in rural and underserved population areas and reduce treatment time.
  - **Explanation:** Filament carries the Anther.
16. **Answer: (a)**
  - **Explanation:** (Fertilized egg gets implanted in the lining of the Uterus and start dividing.
17. **Answer: (c)** Formalin is being used in fishing industry to increase the shelf life of fish. It is an anti-decomposition agent. Colorless flammable chemical used in pressed wood products, fabrics, insulation materials. It also used as a fungicide, germicide. the most common use reason for using formalin is the easy availability.
18. **Answer: (b)**

- **Explanation:**The dialyzing fluid has same osmotic pressure as blood, except that is devoid nitrogenous waste.
19. **Answer: (a)**
- **Explanation:** Reduction of carbon dioxide to carbohydrates.
20. **Answer: (b)**Vision-2 mission:- NASA has launched visualizing Ion outflow via neutral atom sensing-2(vision-2). It is a sounding rocket mission to get a closer look at the how the Earth’s atmosphere is slowly leaking into space. The Earth is losing weight as observations show that the several hundred tons of Atmosphere is getting leaked into space everyday. The Aurora Borealis is of keen interest to the vision-2 team as they are fundamental drivers in the process of atmospheric space.
21. **Answer: (a)**International space station:- is a space station or a habitable artificial satellite in low earth orbit. the first component was launched into orbit in

1998. It is the largest human made body in low earth orbit and often be seen with the naked eyes from earth. It serves as a microgravity and space environment research laboratory. It is joint project of NASA(USA), Roscosmos (Russia), Jaxa (Japan), ESA(Europe) and CSA(Canada).

22. **Answer: (c)**  
 23. **Answer: (b)**  
 24. **Answer: (c)**  
 25. **Answer: (c) 5G:-**



- It is a wireless communication technology using radio waves or radio frequency energy to transmit and receive data.

**THE NEW TEST SERIES DETAILS BY LUKMAAN IAS IN THE CONTEXT OF THE NEW CALENDAR FOR CSE 2020 BY THE UPSC**

**NOTE:** Since there are four months now in prelims, one can write some tests as per one's needs/choices **TARGETING MAINS 2020**

S.N.	TEST SERIES	TOTAL TESTS	DURATION	BATCH COMMENCES	MODE
1.	GS MAINS SPECIAL TEST SERIES	7	45 DAYS	24TH JUNE	ONLINE
2.	ESSAY TEST SERIES	7	60 DAYS	12TH JUNE	ONLINE
3.	ESSAY FULL LENGTH	4	40 DAYS	12TH JUNE	ONLINE
4.	ETHICS TEST SERIES	7	60 DAYS	13TH JUNE	ONLINE
5.	POLITY TEST SERIES	7	45 DAYS	14TH JUNE	ONLINE
6.	PUBLIC ADMIN.	10	70 DAYS	13TH JUNE	ONLINE
7.	PSIR	10	70 DAYS	13TH JUNE	ONLINE
8.	GEOGRAPHY	10	70 DAYS	13TH JUNE	ONLINE
9.	SOCIOLOGY	10	70 DAYS	13TH JUNE	ONLINE

**NOTE:**

1. YOU CAN WRITE TESTS AS PER YOUR CONVENIENCE/FLEXIBILITY
2. TEST PAPER WILL BE MAILED AND AFTER TEST DATE, MODEL ANSWER AND DISCUSSION VIDEO WILL BE MAILED
3. COPY WILL BE EVALUATED AND MAILED BACK

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LIVE ONLINE CLASSES FROM 18<sup>TH</sup> JUNE 2020

## THE WEEKLY CLASS SCHEDULE

THE HINDU ANALYSIS  
BY- LAXMIKANT JAYBHAYE  
(9.30-10.00 AM)

GS GEOGRAPHY  
BY- DR. G.R. PATIL  
(10.30 AM-1.00 PM)

ECONOMY  
BY- R. VASHISHTHA  
(2.00-4.30 PM)

LAXMIKANT JAYBHAYE WILL WORK AS MENTOR/FACULTY/GUIDE/MOTIVATOR

THE COURSE INCLUDES	NCERT AS PRE-FOUNDATION	FOUNDATION (PRE-CUM-MAINS)	WSDP ON EVERY THURSDAY	ED ON SUNDAY	CLASS TEST EVERY 20 DAYS	PRELIMS/MAINS TEST SERIES
THE COURSE NOTES	15 BOOKLETS	EVERY WEEK ED BOOKLET	DAILY CURRENT AFFAIRS	ONE BOOKLET ON PROGRAMS & SCHEMES	LAST FIVE YEARS CURRENT AFFAIRS	ONE BOOKLET ON ONE YEAR TEST SERIES MODEL ANSWER

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