



## UPSC 2025 Pt Test -1(Science Tech)



NAME-

Gurumantra ID.

**Read the following instructions carefully before you begin to**

1. सभी प्रश्नों के अंक समान हैं। ( All questions carry equal marks.)
2. सभी प्रश्नों की प्रकृति वस्तुनिष्ठ है। (All questions are objective in nature.)
3. प्रश्न पत्र को पहले ध्यान से पढ़ ले। (First read the question paper carefully.)
4. ओएमआर शीट को ध्यान से दिए गए दिशानिर्देश के अनुसार भर लें। (Fill the OMR sheet carefully as per the given guideline.)
5. ओएमआर शीट में किसी प्रकार का काट-छांट ना करें वरना ओएमआर शीट रद्द कर दिया जाएगा। (Do not tamper with the OMR sheet or else the OMR sheet will be cancelled.)
6. प्रत्येक गलत उत्तर के लिए नकारात्मक अंक .33 है। (The negative mark for each wrong answer is .33.)
7. प्रश्न पत्र में अंकित समय के अंदर ही आपको अपने सारे उत्तर बना लेने हैं, समय पूरा होने के उपरांत किसी भी स्थिति में ओएमआर शीट आपसे ले लिया जाएगा। (You have to prepare all your answers within the time mentioned in the question paper, after the completion of the time, in any case, the OMR sheet will be taken from you.)
8. ओएमआर शीट में केवल ब्लू या ब्लैक बॉल प्वाइंट पेन ही उपयोग करना है। (Only blue or black ball point pen is to be used in the OMR sheet.)

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**Neha Maam**  
( Assistant Professor )  
Patliputra University  
**Science, Geo. Bihar GS**



**Chandrashiv Sir**  
(Gold Medal Awarded Tutor)  
**History, Polity & Economy**

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1. Consider the following statements

1. Cloud computing is used to process time-sensitive data, while edge computing is used to process data that is not time-driven.
2. Cloud computing is preferred over edge computing in remote locations.

Select the correct answer code:

- A. 1 only
- B. 2 only
- C. Both 1 and 2
- D. None of the above

2. Which among the following is/are correct in context to characteristics of Big data :

1. Large volume of data
2. Homogeneous data
3. Consistent data
4. High speed data generation

Select the correct answer code:

- A. 1, 3 and 4 only
- B. 1,2 and 4 only
- C. 1 and 4 only
- D. All of the above



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3. Consider the following matches :

1. 1G. TDMA
2. 2G. CDMA
3. 3G WCDMA
4. 4G FDMA

Select the correct answer code:

- A. 1, 3 and 4 only
- B. 2 and 3 only
- C. 3 only
- D. 1 and 3 only

4. SQL injection, recently seen in news, is related to

- A. COVID-19
- B. Cyber crime
- C. Criticality of uranium
- D. Gene editing technology

5. Which among the following is/are part of D 10 Club :

1. India
2. China
3. Australia
4. South Korea

Select the correct answer code:

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- A. 1, 3 and 4 only
- B. 2 and 3 only
- C. 2, 3 and 4 only
- D. All of the above

6. Barstar and Barnase gene, recently seen in news, is related to

- A. BT Cotton
- B. GM Canola oil
- C. GM Mustard
- D. GM Soyabean

7. Consider the following statements

1. In India it is mandatory for importers of major crops to declare that the products are not genetically-modified .

2. As per FSSAI there must be zero presence of GMO in imported food.

Select the correct answer code:

- A. 1 only
- B. 2 only
- C. Both 1 and 2
- D. None of the above

8. Micropropagation, recently seen in news, is more specically related to



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- A. Tissue culture
- B. Three parent baby
- C. Gene editing
- D. Animal Clonning

9. CAR-T cell therapy, recently seen in news, is related to

- A. HIV transmission
- B. Cancer treatment
- C. Stem cells
- D. GM Crops

10. Consider the following statements

- 1. High frequencies can travel at faster speeds but can go only short distances.
- 2. Recently china launched low frequency 6G satellite.

Select the correct answer code:

- A. 1 only
- B. 2 only
- C. Both 1 and 2
- D. None of the above

11. Consider the following statements

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1. Plants take carbon dioxide as well as oxygen for their growth.
2. Single celled animal can live without oxygen whereas multicellular can not.

Select the correct answer code:

- A. 1 only
- B. 2 only
- C. Both 1 and 2
- D. None of the above

12. Which among the following is/are gene editing technologies:

1. CRISPR Cas 9
2. TALEN
3. Meganucleases
4. SHANEL

Select the correct answer code:

- A. 1 and 2 only
- B. 1,2 and 3 only
- C. 1, 3 and 4 only
- D. All of the above

13. Which among the following is/are true in context to achievements in latest technologies:

1. Living robots from frog cells
2. Reconstruction of broken optic nerve
3. Yarn from human skin cell

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Select the correct answer code:

- A. 1 and 2 only
- B. 1 and 3 only
- C. 2 and 3 only
- D. All of the above

14. Consider the following matches :

- 1. Hope Mission Mars
- 2. Bepi Colombo Mercury
- 3. Hayabusa Asteroid

Select the correct answer code:

- A. 1 and 2 only
- B. 1 only
- C. 2 and 3 only
- D. All of the above

15. Consider the following statements:

- 1. Currently there is no vaccine available for hepatitis C
- 2. Hepatitis C is mainly a blood borne illness whereas hepatitis A transmitted through food & water

Select the correct answer code:

- A. 1 only

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B. 2 only

C. Both 1 and 2

D. None of the above

16. Consider the following statements in context to Graphene:

1. It is one of the world's thinnest material and toughest material.
2. Till date there is no evidence of Graphene presence in extraterrestrial materials
3. It has higher thermal conductivity than carbon nanotubes.

Select the correct answer code:

A. 1 and 2 only

B. 1 and 3 only

C. 1 only

D. 2 and 3 only

17. Consider the following matches :

1. Aware tool Antibiotics
2. REPLACE AIDS awareness
3. Nikshay portal Tuberculosis

Select the correct answer code:

A. 1 and 3 only

B. 2 only

C. 2 and 3 only

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D. All of the above

18. Consider the following matches in context to Disposal of biomedical waste :1. Yellow Contaminated plastic bags

2. Blue Anatomical waste

3. Orange Broken glassware

Select the correct answer code:

A. 1 and 3 only

B. 2 only

C. 2 and 3 only

D. None of the above

19. Consider the following statements in context to TRIPS Agreement:

1. It covers Patents, copyright, trademarks and geographical indications.

2. It is binding on all members of WTO

3. It determine whether a new formulation deserve a patent or not.

Select the correct answer code:

A. 1 and 2 only

B. 1 and 3 only

C. 1 only

D. 2 and 3 only

20. Which among the following best describe iPS stem cells

A. Stem cells derived from embryonic stage



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- B. Stem cells created through the introduction of embryonic genes
- C. Stem cells specically used to treat neurological diseases
- D. Unipotent stem cell for arthritis treatment

21. Consider the following matches :

- 1. BT Cotton Cry 1 Ab
- 2. BT Brinjal Cp4-Epsps
- 3. HTBT Cotton Cry1Ac

Select the correct answer code:

- A. 1 and 2 only
- B. 1 only
- C. 2 and 3 only
- D. All of the above

21. Consider the following matches :

- 1. BT Cotton Cry 1 Ab
- 2. BT Brinjal Cp4-Epsps
- 3. HTBT Cotton Cry1Ac

Select the correct answer code:

- A. 1 and 2 only
- B. 1 only
- C. 2 and 3 only
- D. All of the above

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22. Consider the following statements

1. In cloudy weather RADAR operate better than LIDAR.
  2. RADAR provide better and precise image of an object as compare to LIDAR
- Select the correct answer code:

- A. 1 only
- B. 2 only
- C. Both 1 and 2
- D. None of the above

23. Consider the following matches:

1. Param Shivay IIT-BHU
2. Paramshakti IIT Kharagpur
3. Param Brahma IIT Delhi

Select the correct answer code:

- A. 1 and 2 only
- B. 2 and 3 only
- C. 1 only
- D. All of the above

24. Which among the following consume least time to perform calculations?

- A. Fugaku
- B. Summit
- C. Sycamore

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D. PARAM Siddhi

25. 'Opposition event' often seen in news, more specifically related to:

- A. Quantum uncertainty
- B. Alignment of celestial bodies
- C. Entanglement and superposition
- D. Lagrange points

26. 'Singularity' often seen in news, is a:

- A. Point where density become infinite
- B. Point where escape velocity equal to speed of light
- C. Accretion disc of black hole
- D. Point where density become almost zero

27. Consider the following statements in context to Quasars

1. As per recent information they only found in galaxies that have supermassive blackholes
2. They are very luminous objects that emit jets at radio frequencies.
3. Milky way hosts biggest Quasar

Select the correct answer code:

- A. 1 and 2 only
- B. 2 and 3 only
- C. 1 only
- D. All of the above



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28. Consider the following statements in context to Sun's Corona

1. The corona cannot be seen with the naked eye except during a total solar eclipse, or with the use of a coronagraph etc
2. Corona is the brightest and hottest layer of the sun

Select the correct answer code:

- A. 1 only
- B. 2 only
- C. Both 1 and 2
- D. None of the above

29. Which among the following Criteria on the basis of which IAU classify Planets and dwarf planets

1. Orbit around any fully-edged star
2. Needs to have enough gravity to pull itself into a spherical shape
3. Cleared the neighborhood around its orbit

Select the correct answer code:

- A. 1 and 2 only
- B. 2 and 3 only
- C. 3 only
- D. All of the above

30. 'Cold & hot Classical objects' often seen in news, are:

- A. Asteroid belt object



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- B. Kuiper belt objects
- C. Oort cloud part
- D. Part of Moon's orbit

31. Consider the following statements in context to WHO funding

1. As of March 2020, Assessed contribution of US was largest among member countries
2. In recent years, Assessed contributions have accounted far more than voluntary contribution
3. Each Member State must contribute to WHO funding.

Select the correct answer code:

- A. 1 and 2 only
- B. 1 and 3 only
- C. 2 and 3 only
- D. All of the above

32. AEFI deaths seen in news, include

1. Anxiety about immunization
2. Vaccine quality defect
3. Coincidental events (not due to the vaccine)

Select the correct answer code:

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

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D. All of the above

33. Consider the following statements in context to African swine fever

1. As per current information it only affects members of the pig family
2. It is caused by a large DNA virus
3. It cannot be transmitted to humans through contact with pigs or pork.

Select the correct answer code:

- A. 1 and 2 only
- B. 1 and 3 only
- C. 2 and 3 only
- D. All of the above

34. Consider the following matches:

1. MANAV First 3D printed robot
2. Daksh Bomb Disposal
3. Bandicoot Manual Scavenging

Select the correct answer code:

- A. 1 and 2 only
- B. 2 and 3 only
- C. 3 only
- D. All of the above

35. Consider the following matches in context to Drones categories:

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1. Nano Less than 250 grams
2. Small 250 grams to 2 Kg
3. Medium 2 Kg to 25 Kg

Select the correct answer code:

- A. 1 only
- B. 2 and 3 only
- C. 1 and 3 only
- D. None of the above

36. Consider the following statements

1. Ballistic Missile are similar to rocket engine whereas Cruise missiles similar to jet engine
2. Generally accuracy of cruise missile is low as compare to Ballistic missile
3. Generally Ballistic missiles are long range whereas Cruise missiles are short range missiles .

Select the correct answer code:

- A. 1 and 2 only
- B. 1 and 3 only
- C. 2 and 3 only
- D. All of the above

37. Consider the following matches :

1. Project Netra Missile tracker
2. Tri Netra Detect debris

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### 3. Sindhu Netra Satellite

Select the correct answer code:

- A. 1 and 3 only
- B. 2 and 3 only
- C. 3 only
- D. All of the above

### 38. Consider the following statements in context to Air Independent Propulsion system

1. It specifically allows nuclear submarine to operate without the need to access atmospheric oxygen
2. It generates power through the electrolysis of oxygen and hydrogen.
3. Recently DRDO installed indigenous AIP in six submarines under project 75I.

Select the correct answer code:

- A. 1 and 3 only
- B. 2 and 3 only
- C. 3 only
- D. None of the above

### 39. Consider the following statements –

1. INS Arihant and INS Chakra both are nuclear submarines
2. INS Arihant is indigenous whereas INS Chakra taken from Russia.
3. Currently INS Chakra carries only conventional weapons .

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Select the correct answer code:

- A. 1 and 3 only
- B. 2 and 3 only
- C. 1 and 2 only
- D. All of the above

40. 'Stardust 1.0' often seen in news, is:

- A. Debris tracker
- B. Biofuel based rocket
- C. Fastest internet facility
- D. Track life of a star

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- ❖ From 15 feb. 2025
- ❖ Total Subject Test -50
- ❖ Total full Test -15
- ❖ CSAT Test – 5

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## Gurumantra BPSC 71<sup>st</sup> Test Series



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Student Signature -

Invigilator signature -

1.	A	B	C	D	31	A	B	C	D	61	A	B	C	D	91	A	B	C	D	121	A	B	C	D
2.	A	B	C	D	32	A	B	C	D	62	A	B	C	D	92	A	B	C	D	122	A	B	C	D
3.	A	B	C	D	33	A	B	C	D	63	A	B	C	D	93	A	B	C	D	123	A	B	C	D
4.	A	B	C	D	34	A	B	C	D	64	A	B	C	D	94	A	B	C	D	124	A	B	C	D
5.	A	B	C	D	35	A	B	C	D	65	A	B	C	D	95	A	B	C	D	125	A	B	C	D
6.	A	B	C	D	36	A	B	C	D	66	A	B	C	D	96	A	B	C	D	126	A	B	C	D
7.	A	B	C	D	37	A	B	C	D	67	A	B	C	D	97	A	B	C	D	127	A	B	C	D
8.	A	B	C	D	38	A	B	C	D	68	A	B	C	D	98	A	B	C	D	128	A	B	C	D
9.	A	B	C	D	39	A	B	C	D	69	A	B	C	D	99	A	B	C	D	129	A	B	C	D
10.	A	B	C	D	40	A	B	C	D	70	A	B	C	D	100	A	B	C	D	130	A	B	C	D
11.	A	B	C	D	41	A	B	C	D	71	A	B	C	D	101	A	B	C	D	131	A	B	C	D
12.	A	B	C	D	42	A	B	C	D	72	A	B	C	D	102	A	B	C	D	132	A	B	C	D
13.	A	B	C	D	43	A	B	C	D	73	A	B	C	D	103	A	B	C	D	133	A	B	C	D
14.	A	B	C	D	44	A	B	C	D	74	A	B	C	D	104	A	B	C	D	134	A	B	C	D
15.	A	B	C	D	45	A	B	C	D	75	A	B	C	D	105	A	B	C	D	135	A	B	C	D
16.	A	B	C	D	46	A	B	C	D	76	A	B	C	D	106	A	B	C	D	136	A	B	C	D
17.	A	B	C	D	47	A	B	C	D	77	A	B	C	D	107	A	B	C	D	137	A	B	C	D
18.	A	B	C	D	48	A	B	C	D	78	A	B	C	D	108	A	B	C	D	138	A	B	C	D
19.	A	B	C	D	49	A	B	C	D	79	A	B	C	D	109	A	B	C	D	139	A	B	C	D
20.	A	B	C	D	50	A	B	C	D	80	A	B	C	D	110	A	B	C	D	140	A	B	C	D
21.	A	B	C	D	51	A	B	C	D	81	A	B	C	D	111	A	B	C	D	141	A	B	C	D
22.	A	B	C	D	52	A	B	C	D	82	A	B	C	D	112	A	B	C	D	142	A	B	C	D
23.	A	B	C	D	53	A	B	C	D	83	A	B	C	D	113	A	B	C	D	143	A	B	C	D
24.	A	B	C	D	54	A	B	C	D	84	A	B	C	D	114	A	B	C	D	144	A	B	C	D
25.	A	B	C	D	55	A	B	C	D	85	A	B	C	D	115	A	B	C	D	145	A	B	C	D
26.	A	B	C	D	56	A	B	C	D	86	A	B	C	D	116	A	B	C	D	146	A	B	C	D
27.	A	B	C	D	57	A	B	C	D	87	A	B	C	D	117	A	B	C	D	147	A	B	C	D
28.	A	B	C	D	58	A	B	C	D	88	A	B	C	D	118	A	B	C	D	148	A	B	C	D
29.	A	B	C	D	59	A	B	C	D	89	A	B	C	D	119	A	B	C	D	149	A	B	C	D
30.	A	B	C	D	60	A	B	C	D	90	A	B	C	D	120	A	B	C	D	150	A	B	C	D

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