INDIAN NATIONAL CARTOGRAPHIC ASSOCIATION (INCA)

NATIONAL MAP QUIZ – 2019
ANSWER KEY
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Time 2:00 Hrs   **Marks : 100**

	(1)	(2)	(3)
Name of the Student			
Name of School			
INCA Branch		**Invigilator's Signature**	

Marks Obtained	Section A:	Section B:	Section C:	Section D	Total Marks:

Instructions: 1. There are a total of 100 questions in this paper divided into 4Sections

Section A = 50 marks; Section B = 30 marks ; Section C = 10 marks; Section D -10 marks

2. **All questions carry equal marks.**

3. **There is no negative marking.**

4. **Use Blue/Black pen preferably.**

SECTION – A
Select the correct answer from the given options

1.   Haridwar is situated on the bank of the river?

a) Yamuna   b)Mandakini

c) Ganga   d) None of these

2.   What is the boundary line between India and Afghanistan called?

a) Durand line   b) Radcliffe line

c) Purbachal line   d) Mc Mohan line...

3.   Which is nearest planet to earth ?

a) Uranus   b) Saturn

c) Mars   d) Jupiter

4.   A piece of land that is bordered by water on three sides but connected to mainland is called?

a) Strait   b) Island

c) Peninsula   d) Isthmus

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5. The National Park 'Valley of Flowers' lies in the District of ?

a) Dehradun   b) Nainital

c)Udham Singh Nagar   **d) Chamoli**

6. Which Place is known as Science City of India? **Any student attempted this question is given full mark**

a) New Delhi   b) Coimbatore

c) Bangalore   d) Bhuvaneswar

7. Mac Mohan Line demarcates the boundary between:

a) India and Bangladesh   b) Nepal and India

c) China and India   d) India and Pakistan

8. The watershed between India and Myanmar is formed by

a)The Jaintia hills   b) Khasi hills

c)The Garo hills   **d) The Naga hills**

9. Mahakaleshwar Temple is a temple situated in ?

a) Gujarat   **b)Madhya Pradesh**

c)Uttar Pradesh   d) Punjab

10. Which Place is known as City of Weavers

a) Panipat (Haryana)   b) Nagpur (Maharashtra)

c)Ludhiana (Punjab)   d) Coimbatore (Tamil Nadu)

11. A tropical deciduous plant special to the Deccan plateau is

a) Teak   b) Shisam

c) Sandalwood   d) Sal

12. Salal Dam is built on which river?

a) Chenab   b) Mahanadi

c) Krishna   d) Satluj

13. Which river basin is shared by more than 10 States of India ?

a) Indus   b) Brahmaputra

c) Ganges   d) Damodar

14. KarnamMalleswari is associated with.

a) Football   b) Cricket

c) Hockey   **d) Weight Lifting**

15. Consider the following statements: **Any student attempted this question is given full mark**

The 760 km long konkan railways passes through the following states.

I.Kerala   II.Karnataka   III.Goa   IV.Maharashtra

Choose the correct code:

a) I,II,III and IV   b) I and II

c) I and II   d) I,II and III

16. Which of the following States of India have a common border with Bhutan.

A. Assam, Arunachal Pradesh, Sikkim, West Bengal

B. Nagaland, Arunachal Pradesh, Sikkim, Manipur

C. Sikkim, Manipur, Mizoram, Tripura

D. Tripura, Sikkim, Nagaland, Meghalaya

17. Ajanta and Ellora caves are situated in which state of India?

a) Kerala   b) Odisha

c) Maharashtra   d) Jammu&Kashmir

18. The most important source of our information on ancient India's cultural history are:

a) Archaeological excavations   b) Antiquities and monuments

c) Literature and epics   d) Inscriptions and coins

19. Which atmospheric layer contains ozone layer?

a) Genosphere   b) Zonosphere

c) Stratosphere   d) Ionosphere

20. Which among the following books was authored by Mahatma Gandhi?

a) Hindu View of Life   **b) Hind Swaraj**

c) Discovery of India   d) My Truth

21. Which of the following is a mountain pass located on NH- 1 between Srinagar and Leh?

a) Banihal pass   **b) Zoji la pass**

c) Nathula pass   d) Pir-Panjal pass

22.	Khasi tribes live in which state?

a) Meghalaya   **b) Assam**

c) Rajasthan   d) Madhya Pradesh

23.	Amritsar and Shimla have the same latitude yet Shimla is cooler than Amritsar,because

a) Lies north of Amritsar   b) comes under the influence of cold winds

c) of a higher elevation   d) receives a lot of snow

24.	In 2015 Bharat Ratnathe highest civilian award was conferred to

a) Shri Atal Bihari Vajpayee   b) Shri Pranab Mukherjee

c)Shri Bhupen Hazarika   d) Shri Nanaji Deshmukh

25.	The primary objectives of Chandrayaan-2 is

a) To demonstrate the ability to soft-land on the lunar surface and operate a robotic rover.

b) To monitor Earth's weather and climate.

c) To destroy enemy warheads, satellites, and other space assets

d) To observe distant planets, galaxies, and other outer space objects

26.	Who among the following can remove the governor of a state from office?

a) Legislative Assembly   b) Parliament

c) President   d) Supreme Court

27.	Equal day/night in both hemispheres is on ………………

a) 21st June and 21st March   b) 5th July and 21st September

c) 21st March and 23rd September   d) 5th June and 21st September

28.	Ten Degree channel is located between

a) Srinagar and Leh   b) Darjeeling and Gangtok

c) Little Andaman and Car Nicobar   d) Goa and Bangalore

29.	Which forests are also called monsoon forests?

a) Tropical Rain Forest   **b) Tropical Deciduous Forests**

c) Mangrove Forests   d) Thorny Bushes

30. The term Roaring forties is related to the?

a) Trade winds   b) Planetary winds

c) Westerlines (Western winds)   d) Polar Winds

31. In India, coal fields are mainly found in which valley?

a) Cauvery Valley   b) Krishna Valley

c) Ganga Valley   **d) Damodar Valley**

32. Who is the first person to reach Mount Everest?

a) Sherpa Tensing, Edmund Hillary   b) Rajesh Sharma

c) Charles Hillary   d) Johan don

33. By which name is the Gandak river in Nepal known?

a) Vishnupriya   b) Shivnandini

c) Narayani   d) BurhiGandak...

34. The country which will host 2020 Summer Olympics.

a) Tokyo   **b) Japan**

c) Istanbul   d) China

35. Konkan coast is stretched from where to where?

a) Goa to Kochi   b) Goa to Diu

c) Daman to Goa   d) Goa to Mumbai

36. The civilian Airport of highest altitude is in

a) Tibet   b) Nepal

c) India   d) China

37. The southernmost point of peninsular India, that is, Kanyakumari, is

a) North of Tropic of Cancer   b) South of the Equator.

c) South of the Capricorn   **d) North of the Equator**

38. Who is the first person to reach the South Pole?   a) Australia (printing mistake)

a) Amundsen   b) Rajesh Sharma

c) Charles Hillary   d) Johan don

39. Which State has become India's first carbon free State?

    a) Himachal Pradesh   b) Madhya Pradesh

    c) Uttar Pradesh   d) Maharashtra

40. The Contour lines show

    a). Same height from the sea level   b). Place of equal rainfall

    c). Equal salinity of sea water   d). Place of equal temperature

41. Kyoto Protocol is associated with

    a) Species conservation   **b) Climate change**

    c) Wetland Conservation   d) Medicinal plants...

42. Who is the first person to reach North Pole?

    a) Robert Peary   b) Rajesh Sharma

    c) Charles Hillary   d) Johan don

43. The largest producer of Lac in India is

    a) Chattisgarh   **b) Jharkhand**

    c) West Bengal   d) Gujarat

44. Ring of Fire is found commonly in which ocean?

    a) Pacific Ocean   b) Atlantic Ocean

    c) Indian Ocean   d) Arctic Ocean

45. Which is the largest and deepest ocean?

    a) Arctic   **b) Pacific**

    c) Atlantic   d) Indian

46. The city of Tashkent is located in ?

    a) Uzbekistan   b) Kazakhstan

    c) Russia   d) Kyrgy

47. Where is the headquarters of the International Olympic Committee located?

    a) Italy   **b) Switzerland**

    c) Belgium   d) France

48. The angle between the magnetic meridian and the geographical meridian at a place is

a) Dip   **b) Declination**

c) Latitude   d) Azimuth

49. Which state has the largest cover of forest area in the country?

a) Arunachal Pradesh   b) Nagaland

c) Kerala   **d) Madhya Pradesh**

50 . The low latitude Zone of globe extends between

a) Tropic of Capricorn and Cancer   b) North pole to South pole

c) Tropic of Capricorn and Equator   d) Equator and Tropic of Cancer

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SECTION – B

Answer the following questions with reference to the map Sheet Number D44B2 as shown at Appendix-B

1. What is the maximum relative height in the map __20r__

2. To represent which feature in this map, Green colour is used __wooded area/Forest__

3. What is the average height in meters of "**KAMBHAM TANK___200m**

4. What is the time difference between the village "**Gollapalle"** in block **F4** from

Greenwich in terms of hours and Minutes **5 Hr 16min**

5. Name the district to which this map belongs   to **Prakashamdist**

6. How many GOPURAM are there in the Block **C5_2_**

7. In the given map how many blocks contain the surveyed trees **21 blocks**

8. What is the approximate coordinate (latitude and longitude) rounded to 10 sec triangulation
   station 434 in block **B6 lat 15°30'16" and long 79°04'17" (+ 10 sec)**

9. What is the shortest distance in Km from equator to **Kondepalle** village in block **F1 1739 km apx (+-20 km)**

10. Write the height of highest Triangulation point in block **A3, A4, B3** and **B4 753m**

11. The square filled with red colour above the diagonal and blue colour below the diagonal represents **Police Station**

12. The number of blocks which contain "**SOMIDEVIPALLE R F**" forest area (Fully or partially) **Four**

13. Write the name of nearest railway station from "**Jangamguntla**" village in Block **D3** by road distance? **Khambham RS**

14. Along the river **Gundlakamma R** how many Ford are there? **Three**

15. What is the approximate area of this map in Sq. kms rounded to 10 **740 SqKm(+10Km)**

16. Write the numbers of Siphons present in block **A3 Three**

17. With the information available in this map (BLOCK **F3**) find out the road distance in kms between "**Tarlupadu"** and "**Nasirsahibpalle"** ____**4Km (+ 1 Km)**

18. What is the contour interval in the map in meters **20m**

19. Name the railway station located at lat**15°37'19"** long **79°09'24"** on the map **Lingojipalle RS____**

20. What is datum and projection of this map **UTM;WGS-84**

21. A train started from railway station **JaggambhatlaKrishnapuram R S** at 7:30 am ,if the train is halted in next station **Lingojipalle** for 5 min then at what time it will reach to the station **Tarlupadu R S**. Average speed of the train is 65Km/Hr.(Hint: Measure the distance between stations using divider from map).

    7:47 am

22. What is the total number of post office in Block **E5 Three**

23. What is the magnetic variation of this sheet from true north? **1.5 degree west in 2005**

24. Flow of direction of **ErraVagu** stream if from **South to North**

25. Name any 2 public use establishment located in **KAMBHAM** town **Mandal Revenue office, PWD rest house & Dispensary / Hospital / Post Office**

26. Number of railway bridges crosses "**Gundlakamma R**" river?__**Two**

27. Village **Birudulanarava**in block **D2** is in valley. **True**__(True/False)

28. Find the aerial distance between PWD rest house in block C4 and Sitanagaram colony in block D6 in the map. **8.7 Km(+0.5Km)**

29. How many tanks are shown in **C1** BLOCK **Two**

30. Rearrange the letters C W U Y S A A E to form a single word that represents a feature in this map__**CAUSEWAY**

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SECTION – C

A print of Satellite imagery is given to you. All the questions of section-C are based on this imagery which is shown at **Appendix-C**

Hints: This city is called as "**Pearl city**" of India

1. Identify the city ?

   HYDERABAD

2. What is the structure labelled as A, which is seen in the satellite image?

   RUNWAY

3. What is the structure marked as B in the imagery?

   AMUSEMENT PARK / WATER PARK_____

4. Identify the feature marked as C in the imagery?

   WATER TREATMENT PLANT

5. What is the structure marked as D in the imagery?

   CRICKET GROUND / STADIUM

6. Identify the manmade feature marked as E in the imagery?

   SWIMMING POOL

7. Identify the manmade feature marked as F in the imagery?

   RAILWAY STATION

8. What is the most common feature in this image?

   BUILDINGS

9. Write the name of the perennial Tank shown in the satellite image?

   HUSAIN SAGAR

10. Count the number of metro station visible in the image?

    10

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Note: The subpart of 1:50K scale map is shown in **Appendix D**, were in two maps of same area are shown one is **Before Updation** and other is **Updated Map(after updation)**. With the help of **Conventional Symbols and Notes** given in the West Margin of the map, students should answer the following questions.

1. In the updated Map of Square **A1** a feature is updated near village Pedda Kandukuru.

   Name the feature **SURVEY TREE**

2. In the updated Map of Square **C3** a feature is updated near village Salakalavidu.

   Name the feature **UNMETALLED ROAD**

3. In the updated Map of Square **A2** a natural feature is updated near villageMohidinpuram.

   Name the feature **TANK PERENNIAL**

4. In the updated Map of Square **B1** a man-made feature is updated near village Kakarla.

   Name the feature **POST OFFICE**

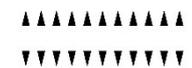5. In the updated Map of Square **B2** two man-made feature are updated near Kambham RS.

   Name the two features **HOSPITAL & DISPENSARY**

6. In the updated Map of Sqaure **B3** near village Bestavaripeta a place of worship is updated.

   Name the feature **GOPURAM**

7. In the updated Map of Square **C2** a Map feature with symbol is shown. Name the

   feature **BROKEN GROUND**

8. In the updated Map of Square **D1** a feature with symbol is updated.

   Name the feature **EMBANKMENT**

9. In the updated Map of Square **D2** a new feature is updated in village Mirzapeta. Name the

   feature **TOWN / VILLAGES : INHABITATED**

10. In the updated Map, at the SE corner of Square **D3**, a feature is updated,

   Identify and name the feature **CANAL**

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