



**The Institute of Cost Accountants of India**  
(Statutory Body under an Act of Parliament)  
**National Youth Commerce Olympiad (NYCO), 2025-26**

**Category – A**

**Subject 1: Social Studies**

1. Read the following statements: Assertion (A) and Reason (R). Choose the correct option from those given below:  
**Assertion (A):** Mulching is a process of soil conservation in arid and semi-arid regions in which rows of trees are planted to check the wind movement.  
**Reason (R):** Aeolian action is the main cause of soil erosion in arid and semi-arid regions.
  - a) Both (A) and (R) are true and (R) is the correct explanation of (A)
  - b) Both (A) and (R) are true but (R) is not the correct explanation of (A)
  - c) (A) is true but (R) is false
  - d) is false but (R) is true
2. Which one of the following is not a fundamental right of an Indian citizen?
  - a) Right to Equality
  - b) Right to Freedom of Religion
  - c) Right to Education
  - d) Right to Property
3. Which one of the following arrangement is known as 'system of checks and balances'?
  - a) Power sharing among different levels of government.
  - b) Power sharing among different organs of government.
  - c) Power sharing among different social groups.
  - d) Both (a) and (b)
4. Which one of the following personality is known as 'Brain of Italy'?
  - a) Giuseppe Garibaldi
  - b) Giuseppe Mazzini
  - c) Victor Emmanuel II
  - d) C. C. Benso di Cavour
5. Which one of the following was India's first vernacular newspaper?
  - a) Kesari - Marathi
  - b) Samachar Darpan – Bengali
  - c) Rast Goftar - Gujarati
  - d) Udan Martand – Hindi
6. Select the formal sources of credit from the given sources and choose the correct option.  
I. Bank II. Moneylender III. Cooperatives IV. Businessman



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- a) Only I and II
  - b) Only II and III
  - c) Only I and III
  - d) Only I and IV
7. Which one of the following is a scheduled language as per the Constitution of India?
- a) Bhojpuri
  - b) Garhwali
  - c) Nepali
  - d) Rajasthani
8. Which one of the following is the highest 'bauxite' producing state of India?
- a) Maharashtra
  - b) Jharkhand
  - c) Gujarat
  - d) Odisha
9. "Read the following statements: Assertion (A) and Reason (R). Choose the correct option from those given below:  
Assertion (A): For a marginal farmer it is very easy to get loan from any formal source of credit.  
Reason (R): Institutions those which are formal sources of credit, can provide loan depending on government guidelines."
- a) Both (A) and (R) are true and (R) is the correct explanation of (A)
  - b) Both (A) and (R) are true but (R) is not the correct explanation of (A)
  - c) (A) is true but (R) is false
  - d) (A) is false but (R) is true
10. How to calculate percapita income of a country?
- a)  $\text{National Income} \div \text{Working Population}$
  - b)  $\text{Gross Domestic Product} \div \text{Total Population}$
  - c)  $\text{National Income} \div \text{Dependent Population}$
  - d)  $\text{National Income} \div \text{Total Population}$
11. By which policy East India Company claimed that its authority was supreme, hence its power was greater than that of Indian states?
- a) Subsidiary Alliance
  - b) Doctrine of Lapse
  - c) Paramountcy
  - d) Anglicization
12. From which country India has borrowed the concept of a parliamentary system of government?



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- a) USA
  - b) France
  - c) Britain
  - d) Canada
- 13.** The concept of division of power among the different organs of government is given by -
- a) Voltaire
  - b) Montesquieu
  - c) Rousseau
  - d) John Locke
- 14.** The minimum age is required to be a member of upper house of parliament is –
- a) 25 years
  - b) 30 years
  - c) 35 years
  - d) 40 years
- 15.** In which one of the following states is ‘bamboo drip irrigation system’ prevalent?
- a) Tamil Nadu
  - b) West Bengal
  - c) Meghalaya
  - d) Odisha
- 16.** Arrange the following events in chronological order and choose the correct option.  
I. Formation of Khilafat Committee in Bombay, II. Jallianwala Bagh Massacre, III. Bardoli Satyagraha, IV. Withdrawal of Non-Cooperation Movement
- a) I, II, III, IV
  - b) II, I, IV, III
  - c) I, II, IV, III
  - d) III, IV, II, I
- 17.** East - West corridor connects –
- a) Silchar and Porbander
  - b) Silchar and Ahmedabad
  - c) Guwahati and Porbander
  - d) Rajkot and Imphal
- 18.** Who among the following hosted the ‘Vienna Congress’ in 1815 ?
- a) Chancellor Duke Metternich
  - b) Ernst Renan
  - c) William I
  - d) Otto von Bismarck



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**19.** Types of cotton textile and their sources from India are given in each pair. Which one of the following pair is not correctly matched?

- a) Muslin of Dhaka
- b) Chintz of Calicut
- c) Gold-wrought cotton of Burhanpur
- d) None of these

**20.** "Read the following statements: Assertion (A) and Reason (R). Choose the correct option from those given below:

Assertion (A): Kandala is the tax free port of India.

Reason (R): Kandala is India's first Special Economic Zone."

- a) Both (A) and (R) are true and (R) is the correct explanation of (A)
- b) Both (A) and (R) are true but (R) is not the correct explanation of (A)
- c) (A) is true but (R) is false
- d) (A) is false but (R) is true

**Answer: -**

<b>1. D</b>	<b>2. D</b>	<b>3. B</b>	<b>4. D</b>	<b>5. B</b>
<b>6. C</b>	<b>7. C</b>	<b>8. D</b>	<b>9. D</b>	<b>10. D</b>
<b>11. C</b>	<b>12. C</b>	<b>13. B</b>	<b>14. B</b>	<b>15. C</b>
<b>16. C</b>	<b>17. A</b>	<b>18. A</b>	<b>19. B</b>	<b>20. A</b>



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**Category – A**

**Subject 2: Mathematics**

1. A sum of money placed at a compound interest doubles itself in 5 years. It will amount to eight times itself at the same rate of interest in \_\_\_\_\_.
  - e) 12 years
  - f) 10 years
  - g) 20 years
  - h) 15 years
2. If  $a + (2/a) = 1$ , then find the value of  $(a^2 + a + 2) / \{(a^2 (1 - a))\}$ .
  - a) 2
  - b) -1
  - c) 1
  - d) -2
3. Find the sum of  $5^3 + 6^3 + 7^3 + \dots + 12^3$ 
  - a) 5984
  - b) 5944
  - c) 5994
  - d) 5934
4. A train travelling at 48 km/h completely crosses another train, having half its length and travelling in opposite direction at 42 km/h, in 12 second. It also passes a railway platform in 45 second. The length of the platform is:
  - a) 400 m
  - b) 450 m
  - c) 560 m
  - d) 600 m
5. Find the HCF of  $(2480 - 1, 2720 - 1)$ .
  - a)  $2120 - 1$
  - b)  $2180 - 1$
  - c)  $2240 - 1$
  - d)  $2300 - 1$
6. There is a rectangular garden of 220 metres x 70 metres. A path of width 4 metres is built around the garden. What is the area of the path?
  - a) 2472 metre<sup>2</sup>
  - b) 2162 metre<sup>2</sup>
  - c) 1836 metre<sup>2</sup>
  - d) 2384 metre<sup>2</sup>



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7. If the price of petrol has increased from ₹40 per litre to ₹60 per litre, by how much percent a person has to decrease his consumption so that his expenditure remains same.
- 66.67%
  - 40%
  - 33.33%
  - 45%
8. How many three digit numbers are there which contain digit 5?
- 280
  - 268
  - 252
  - 214
9. Pointing towards Rajan, a man said, "He is my sister's only brother's son". How is Rajan related to that man?
- Son
  - Brother
  - Nephew
  - Father
10. If the maximum number of students has obtained 52 marks out of 80 then which one of the following is true?
- 52 is the mean of the data
  - 52 is the median of the data
  - 52 is the mode of the data
  - 52 is the range of the data
11. Square root of 0.4 is a/an
- natural number
  - integer
  - rational number
  - irrational number
12. "Find the number that does not follow the pattern of the following series:  
8, 19, 61, 249, 1250"
- 19
  - 61
  - 249
  - 1250



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13. If the side of chess board is smaller than its perimeter by 33 cm then what will be the area of the chess board?
- 121 cm<sup>2</sup>
  - 144 cm<sup>2</sup>
  - 169 cm<sup>2</sup>
  - 196 cm<sup>2</sup>
14. M speaks truth in 50% cases and N speaks truth in 60% cases. If at least one of them is expected to speak truth, what is the probability that they will contradict while describing a single event?
- 50%
  - 60%
  - 70%
  - 90%
15. If  $5 \tan \theta - 12 = 0$ , then the value of  $\sin \theta$  is:
- $\frac{5}{12}$
  - $\frac{12}{13}$
  - $\frac{5}{13}$
  - $\frac{12}{5}$
16. The 14th term from the end of the A.P.  $-11, -8, -5, \dots, 49$  is :
- 7
  - 10
  - 13
  - 28
17. In a bag, there are 16 red balls, 24 green balls and 32 blue balls. If a ball is randomly chosen from the bag, what is the probability of drawing a green or blue ball?
- $\frac{7}{9}$
  - $\frac{3}{10}$
  - $\frac{1}{2}$
  - $\frac{7}{10}$
18. If the price of petrol has increased from ₹40 per litre to ₹120 per litre, by how much percent a person has to decrease his consumption so that his expenditure remains same.
- 66.67%
  - 40%
  - 33.33%
  - 45%



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19. Which out of the following type of straight lines will be represented by the system of equations  $3x + 4y = 5$  and  $6x + 8y = 7$  ?
- a) Parallel
  - b) Intersecting
  - c) Coincident
  - d) Perpendicular to each other
20. The greatest number which divides 281 and 1249, leaving remainder 5 and 7 respectively is:
- a) 23
  - b) 276
  - c) 138
  - d) 69

**Answer: -**

<b>1. D</b>	<b>2. C</b>	<b>3. A</b>	<b>4. A</b>	<b>5. C</b>
<b>6. D</b>	<b>7. C</b>	<b>8. C</b>	<b>9. A</b>	<b>10. C</b>
<b>11. D</b>	<b>12. D</b>	<b>13. A</b>	<b>14. D</b>	<b>15. B</b>
<b>16. B</b>	<b>17. A</b>	<b>18. A</b>	<b>19. A</b>	<b>20. C</b>





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### Category – A

#### Subject 3: General Awareness

1. Japanese organisation 'Nihon Hidankyo' awarded with Nobel Peace Prize 2024. The objective of the organisation is:
  - a) To achieve a world free of nuclear weapons
  - b) To eradicate hunger and malnutrition
  - c) To ensure sustainable use of resources
  - d) To reduce the emission of greenhouse gasses
2. 'Valley of flowers' is located in \_\_\_\_\_.
  - a) Himachal Pradesh
  - b) Kashmir
  - c) Uttarakhand
  - d) Ladakh
3. Abel Prize is for the excellence in field of \_\_\_\_\_.
  - a) Physics
  - b) Mathematics
  - c) Chemistry
  - d) Biotechnology
4. Which one of the following countries has maximum number of time zones?
  - a) USA
  - b) Russia
  - c) France
  - d) Canada
5. Which one of the following country hosted Sanghai Cooperation Organisation (SCO) Summit, 2024?
  - a) Pakistan
  - b) Kyrgyzstan
  - c) Kazakhstan
  - d) Russia
6. International Yoga Day is celebrated on -
  - a) 21st July
  - b) 20th August
  - c) 20th May
  - d) 21st June
7. The champion of ICC Women's T20 worldcup 2024 is –
  - a) New Zealand
  - b) Australia
  - c) South Africa
  - d) India



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8. Which one of the following organisation has its head quarter in Geneva?
- World Bank
  - International Olympic Committee
  - North Atlantic Treaty Organisation
  - World Health Organisation
9. Missile Man of India' is
- Homi J. Bhabha
  - Bikram Saravai
  - Nambi Narayanan
  - A.P. J. Abdul Kalam
10. Which film own the best picture ward in Academy Awards 2025?
- The Brulalist
  - Flow
  - Anora
  - Dune:Part Two
11. Which gas is most abundant in the Earth's atmosphere?
- Oxygen
  - Carbon dioxide
  - Nitrogen
  - Hydrogen
12. The Fundamental Rights of Indian citizens are mentioned in which part of the Constitution?
- Part III
  - Part IV
  - Part V
  - Part VI
13. The Right to Education is provided under which article of the Indian Constitution?
- Article 19
  - Article 21A
  - Article 23
  - Article 32
14. Which river is known as the "Sorrow of Bihar"?
- Ganga
  - Gandak
  - Kosi
  - Son



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- 15.** The Green Revolution in India is most closely associated with:
- a) Dr. A. P. J. Abdul Kalam
  - b) Dr. M. S. Swaminathan
  - c) Verghese Kurien
  - d) C. Subramaniam
- 16.** Which layer of the Earth is mainly responsible for the Earth's magnetic field?
- a) Crust
  - b) Mantle
  - c) Inner core
  - d) Outer core
- 17.** India's Chandrayaan-3 mission achieved a historic landing on:
- a) Mars
  - b) Moon's far side
  - c) Moon's south pole
  - d) Moon's equator
- 18.** The COP28 Climate Change Conference was held in which city?
- a) Paris
  - b) Glasgow
  - c) Dubai
  - d) Berlin
- 19.** Who became the Chief of Defence Staff (CDS) of India after General Bipin Rawat?
- a) General Manoj Pande
  - b) General Anil Chauhan
  - c) Admiral Karambir Singh
  - d) Air Chief Marshal V. R. Chaudhari
- 20.** Which country became the newest member of BRICS in 2024?
- a) Mexico
  - b) Argentina
  - c) Saudi Arabia
  - d) Turkey

**Answer: -**

<b>1. A</b>	<b>2. C</b>	<b>3. B</b>	<b>4. C</b>	<b>5. C</b>
<b>6. D</b>	<b>7. A</b>	<b>8. D</b>	<b>9. D</b>	<b>10. C</b>
<b>11. C</b>	<b>12. B</b>	<b>13. B</b>	<b>14. C</b>	<b>15. B</b>
<b>16. D</b>	<b>17. C</b>	<b>18. C</b>	<b>19. B</b>	<b>20. C</b>



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### Category – A

#### Subject 4: Quantitative Aptitude

1. In a row of 15 children, when Raj was shifted three places towards right, he became 8th from the right end. What was his earlier position from the left end of the row?
  - a) 14
  - b) 5
  - c) 6
  - d) 12
2. The greatest five digit number exactly divisible by 13 and 7 is \_\_\_\_\_.
  - a) 99996
  - b) 99918
  - c) 99970
  - d) 99960
3. If 'Violet' is called 'Indigo', 'Indigo' is called 'Blue', 'Blue' is called 'Green', 'Green' is called 'Yellow' and 'Yellow' is called 'Orange', then what is the colour of sky?
  - a) Blue
  - b) Green
  - c) Yellow
  - d) Orange
4. Two identical vessels are filled with the mixtures of water and milk in the ratio of 4:3 and 3:7 respectively. If the mixtures are poured into third vessel, the ratio of water and milk in the third vessel will be \_\_\_\_\_.
  - a) 61:79
  - b) 41:78
  - c) 53:71
  - d) 57:74
5. 90 persons can dig a well in 40 days. After they have worked for 10 days, how many more persons should be employed so as to complete the work in another 20 days?
  - a) 125
  - b) 35
  - c) 45
  - d) 135
6. 48 women can do a piece of work in 18 days. How many women would be required to do the same work in 24 days?
  - a) 42
  - b) 36
  - c) 28
  - d) 32



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7. The greatest five digit number exactly divisible by 7 and 23 both is \_\_\_\_\_.  
a) 99995  
b) 99981  
c) 99974  
d) 99988
8. If P is 28% of Q and R is 56% of Q, then P is what percent of R?  
a) 20%  
b) 25%  
c) 50%  
d) 200%
9. If the cost price of 20 greeting cards is equal to the selling price of 16 greeting cards, find the gain percent.  
a) 20%  
b) 25%  
c) 30%  
d) 40%
10. A sum amounts to ₹32000 in 4 years and ₹38000 in 6 years at a certain rate of simple interest. Find the sum.  
a) ₹ 18,000  
b) ₹ 20,000  
c) ₹ 24,000  
d) ₹ 25,000
11. Which digits should come in place of \* and \$ if the number 62684\*\$ is divisible by both 8 and 5?  
a) 4, 0  
b) 3, 0  
c) 2, 0  
d) 1, 0
12. The sum of two numbers is 216 and their H.C.F. is 27. The numbers are:  
a) 27, 189  
b) 81, 189  
c) 108, 109  
d) 154, 162
13. The cost of 12 belts and 30 wallets is Rs. 8940. What is the cost of 4 belts and 10 wallets?  
a) Rs.2780  
b) Rs.2870  
c) Rs.2890  
d) Rs.2980
14. A number if increased by 37.5% gives 33. The number is:



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- a) 22  
b) 24  
c) 25  
d) 27
- 15.** Out of 450 students of a school, 325 play football, 175 play cricket and 50 neither play football nor cricket. How many students play both football and cricket?  
a) 50  
b) 75  
c) 100  
d) 225
- 16.** If the ratio of cost price and selling price of an article be 10 : 11, the percentage of profit is  
a) 8  
b) 10  
c) 11  
d) 15
- 17.** When 30% of one number is subtracted from another number, the second number reduces to its four-fifths. What is the ratio of the first to the second number?  
a) 2:5  
b) 3:2  
c) 4:7  
d) 1:5
- 18.** The area of a square with perimeter 48 cm is:  
a) 144 sq. cm  
b) 156 sq. cm  
c) 170 sq. cm  
d) 175 sq. cm
- 19.** How many times are the hands of a clock at right angle in a day?  
a) 22  
b) 24  
c) 44  
d) 48
- 20.** After deducting a commission of 5%, a T.V. set costs Rs. 9595. Its marked price is:  
a) Rs.10000  
b) Rs.10075  
c) Rs.10100  
d) Rs.10500



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**Answer: -**

<b>1. B</b>	<b>2. B</b>	<b>3. B</b>	<b>4. A</b>	<b>5. C</b>
<b>6. B</b>	<b>7. B</b>	<b>8. C</b>	<b>9. B</b>	<b>10. B</b>
<b>11. A</b>	<b>12. A</b>	<b>13. D</b>	<b>14. B</b>	<b>15. C</b>
<b>16. B</b>	<b>17. A</b>	<b>18. A</b>	<b>19. C</b>	<b>20. C</b>