Olympiad 2018
Class 6

Important Instructions:

- All questions carry equal weightage.
- 10 minutes are provided for filling the OMR sheet and reading the instructions.
- Exam duration is 1 hour only.
- **Please ensure that this question paper has 50 questions. It is divided into the following sections –**
  For class 1st to 5th: Mathematics, Science, English and General Knowledge
  For class 6th to 10th: Mathematics, English, Science, General Knowledge and Logical Reasoning
- Every question has one correct answer.
- Please read the instructions for answering given on the OMR sheet.
  Candidates must submit a completely filled OMR sheet before leaving the hall.
- There is no negative marking.

Section A– Mathematics

1. The product of place values of two 3's in 253893 is

253893 में 3 के दोनों स्थानमूल्कोक उत्पादहै:

A. 90,000
B. 9,000
C. 30,000
D. 3,000

2. Which of the following numbers is incorrect in Roman numeral system?

रोमनअकप्रणालीमें ननमुनलिखितमें से कौनसीसख्यागलतहै ?

A. MMLLX
B. MMMLX
C. DCCXL
D. DCCCLXXII

3. What is the least number to be subtracted from 1045 to get a number exactly divisible by 22?

1045 को 22 से निभाज्यबनानेके नलएघटाएजानेिालीन्यूनतमसख्याक्यहै ?

A. 13
B. 22
C. 7
D. 11

4. John has stamps from different countries. 1/3rd of them are India stamps. If he has 36 Indian stamps, how many stamps does he have in total?

जॉन के पास निभन्न देशों के स्टैम्प ह।ैउनैं मसें 1 / 3rd भारत के स्टैम्प ह।ैअगर उसैं के पास 36 भारतीय स्टैम्प हैं, तो उसके पास कुलनकतने स्टैम्प हैं?

A. 12
B. 108
C. 36
D. 48

5. What value of "x" makes the given equation true?

"x" का कौनसामाननदए गए समीकरण को सही बनाता है?

-18 + (-6x) = 0

A. -3
B. 3
C. 2
D. -2

6. The lowest common multiple of 10, 15 and 20 is x. The value of x is

10, 15 और 20 क◌ालघु◌त्तमसम◌ापित◌् x है l x क◌ामानहै

A. 20
B. 30
C. 40
D. 60

7. Which of the following statement is correct?

ननम्न लखित में से कौनसाकथनसही है?

A. $\frac{ab+c}{b} = a + c$

B. $\frac{a+c}{a+c} = \frac{b}{c}$

C. $\frac{ab+ac}{ad} = \frac{b+c}{d}$

D. $\frac{a(b+c)}{a \times d} = \frac{b+c}{ad}$

8. The age of Tanu is 20 years and the age of Mani is 36 years. If the ratio of the age of Mani to the age of Beena is 3: 2, then the ratio of the age of Tanu to the age of Beena is:

तनुकीउम्र 20 सालऔरमनणकीउम्र 36 सालहै।यनदमनणकीउम्रऔरबीनाकीउम्रकाअनुपात 3: 2 है, तोतनुकीउम्रऔरबीनाकीउम्रकाअनुपातहै:

A. 1: 2
B. 2: 3
C. 3: 4
D. 5: 6

9. Evaluate $a^2 + (-ab^2) - a^2b^2$ if a = -2 and b = 3.

यनद a = -2 और b = 3, तोमूल्याकनकरें $a^2 + (-ab^2) - a^2b^2$

A. 14
B. -14
C. - 50
D. 44

10. If the perimeter of a square is 76 cm, then the area of the square will be:

यनदएककिगककीपररनि 76 सेमीहै, तोिगककक्षेत्रफलहोगा:

A. 152 cm^2
B. 304 cm^2
C. 361 cm^2
D. 1444 cm^2

Section B – English

11. Which of the following isthe misspelt word?

A. Grief
B. Except
C. Greatful

D. Gourd

12. My grandmother told me a fairy_____.

A. tale
B. tail
C. story
D. table

13. I am going_____buy a dress.

A. for
B. of
C. in
D. to

14. Choose the part of the sentence that has an error:

I saw you in the park yesterday. You were sitting on the grass and read a book.
A. I saw you in the park yesterday.
B. You were sitting on the grass
C. read a book
D. no error

15. Choose the antonym of "Improve".

A. Enhance
B. Descend
C. Advance
D. Revamp

16. The historic speech_____on September 11, 1893 by Swami Vivekananda.

A. is given
B. given
C. gave
D. was given

17. The school bell rings_____8:00 a.m.

A. by
B. at

C. on
D. till

18. Which of the following forms a meaningful sentence after rearranging words?

A. working/I/May/project/have/on/since/this/been
B. working/I/May/project/on/since/this/been
C. working/I/May/project/have/on/this/been
D. working/I/May/project/have/since/this/been

19. The_____of natural resources is important because of our dependence on them.

A. conversation
B. conversion
C. conservation
D. consumption

20. Choose the synonym of "Enormous".

A. Miniscule
B. Vast
C. Tiny
D. Miniature

Section C – Science

21. Neutral insulator P is rubbed with neutral insulator Q. Insulator P becomes positively charged after rubbing. Which of the following statements is correct?

A. P loses some electrons to insulator Q.
B. Q loses some electrons to insulator P.
C. P gains positive charge from insulator Q.
D. Q gains positive charge from insulator P.

तटस्थ विसं○◌ाहक P को तटस्थ विसं○◌ाहक Q के साथरगडाजाताहै।इन्सुलेटर P

रगडन○के बादिि○नआ○○श स○चाजहोजात○ह○।ननम्नलिखितकथन○म ○○स○क○ौनसहीह○ ?

A. P कु छइल○क्ट○न Q क○द○ताह○ ।
B. Q कु छइल○क्ट○न P क○द○ताह○ ।
C. P, Q स○िि○नआ○○श ल○ताह○ ।

D. Q, P से निनआिश लेताहै।

22. Rotation of Earth on its axis is an example of which type of motion?

A. Rectilinear motion
B. Circular motion
C. Rotational motion
D. Oscillatory motion

अपनीिुरीपरपृथ्वीकाघूमनानकसप्रकारकीगतिकाएकउदाहरणहै ?

A. रेखक्टनलननयरगनत
B. घूननगनत
C. घूणीगनत
D. दोलनशीलगनत

23. What is the name of the joint which exists between our shoulder and arm?

A. Hinge joint
B. Pivot joint
C. Ball and socket joint
D. Fixed joint

सनि कोा नाम क्या है जो हमारी कंध और बाह के बीच मौजूद है?

A. नहजसनि
B. िुराग्रसनि
C. कन्दुक-उलू िलसनि
D. अचलसनि

24. 1 kg of iron occupies less space compared to 1 kg of sponge because:

A. Iron has less density than sponge.
B. Iron and sponge have equal densities.
C. Iron has more density than sponge.
D. Weight of iron per unit volume is less than that of sponge.

1 नकलोस्पजकीतुलनामें 1

नकलोलोहाकमजगहघेरताहै क्योंक:

A. स्पजकीतुलनामें आयरनकाघनत्वकमहोताहै।

B. लोहेऔरस्पजकाघनत्वसमानहोताहै।
C. स्पजकीतुलनामेंलोहेमेंअनिकघनत्वहोताहै।
D. लोहेकाजिनप्रनतयूननटआयतनस्पजकीतुलनामेंकमहोताहै।

25. For strong bones and teeth we need

मजबूतहनियोंऔर े नलएहमेंचानहए
दातोक

A. Vitamin D
B. Vitamin E
C. Vitamin A
D. Vitamin K

26. Silk is a_____.

A. Cellulose fibre
B. Protein fibre
C. Fat fibre
D. Mineral fibre

रेशम एक_____है।
A. सेल्लोजफाइबर
B. प्रोटीनफाइबर
C. िसाफाइबर
D. ि ननजफाइबर

27. The middle region of a bar magnet is:

A. a north pole
B. a north seeking pole
C. weekly magnetized
D. magnetized

एकबारचबककामध्यक्षेत्रहै:

A. एकउत्तरीध्रुि
B. एकउत्तरीध्रुिढूढरहा
C. अचुम्बकीय
D. चुम्बकीय

28. Which of the following has reddish-brown colour?

A. Gold
B. Copper
C. Iron
D. Brass

ननम्ननलिखितमे ंसे नकसके ारगले ाल-भूराहै ?

A. सोना
B. तांबा
C. लोहा
D. पीतल

29. If boiled milk is allowed to cool and is then poured on a piece of cloth, we find that cream (malai) is left behind on cloth. This process of separating cream from milk is

A. filtration
B. decantation
C. sedimentation
D. churning

यनदउबले हुएद ूि् धक ो ठंडानकयाजाएऔरनफरकपड़े के टुकड़े परडाले ाजाताहै,
तोहमप ाते हैं नककूर्ीम (मलाई)
कपड़े परपीछे रहगईहै।द ूि् धसे कूर्ीमक ोअलगकरने क ीयहप्रनकूरयाहै

A. ननस्पंदन
B. विस्तारण
C. अिसादि
D. मथन

30. The germination of a seed is

A. a physical, reversible, desirable change in which energy is produced
B. a fast, chemical reaction in which energy is released
C. a slow irreversible, desirable, chemical change
D. a fast, irreversible, undesirable chemical change

एकब ीजकाअंकुरणह ोताहै

A. एकभौनतक, प्रनत ंित्ी, ि ांछनीयपरिरतननजसमे ंऊज ाक ाउत्प ादनहोत ाहै
B. एकते ज़, रासायननकप्रनतनक्रयानजसमे ंऊज ाननकलत ीहै
C. एक ि ंीमाअपरिरतनीय, ि ांछनीय, रासायननकपरिरतन
D. एकते ज, अपरिरतनीय, अि ांछनीयरासायननकपरिरतन

Section D – General Knowledge

31. Which country has won the most Cricket World Cups?

A. India
B. England
C.Sri Lanka
D. Australia

नकसदेशनेसबसेअनिकनक्रके टनिश्वकपजीतेहैं?

A. भारत
B. इगलैंड
C. श्रीलकंा
D. ऑस्टेनलया

32. Where was India's first nuclear test conducted?

A. Banglore
B. Pokhran
C. Gujarat
D.Hyderabad

भारतकंापहलंापरमंाणुपरीक्षणकहंानकयंागयाथंा?

A. बगलंोर
B. पोंिरण
C. गुजरात
D. हैदराबाद

33. Who composed the national anthem of Bangladesh?

A. Mohammad Iqbal
B.Bankim Chandra Chattopadhyay
C.GaganHarkara
D. Rabindranath Tagore

बंाग्लंादेशकंे रंाष्ट्रगंानकंीरचनांकसनंेकंी?

A. मोहम्मदइकबाल
B. बनकमचद्रचंद्रंोपाध्याय
C. गगनहरकारा

D. रनि‍द्रनाथटैगोर

34. On which day the 20th anniversary of Kargil Vijay Diwas was observed across India?

भारतभरमेंकारनगलनिजयनदिसकी 20 ‍ी‍र्‍गाठनकसनदनमनाईगई?

A. 25th July
B. 26th July
C. 22nd June
D. 20th July

35. Which Indian batsman became the first in the world to score 5 centuries in a World Cup tournament?

A. Rohit Sharma
B. ViratKohli
C. M.S. Dhoni
D. ShikharDhawan

कौनभारतीयबल्ल‍ेबाजनिश्वकपट‍ू नामेंटमें 5 शतकबनानेलेनिश्के पहल‍ेखिलाडीबने?

A. रोनहतशमा
B. निराटकोहली
C. एम.एस.िोनी
D. नशिरिन

36. Vijender Singh is associated with which sport?

A. Cricket
B. Shooting
C. Boxing
D. Football

निजेंदरनसहनकसिलसेजुडे हैं?

A. नक्रके ट
B. श‍ूनटग
C. बॉखिसग
D. फु टबॉल

37. Who was the first woman Governor of an Indian State?

A. Sarojini Naidu
B. Indira Gandhi
C. PratibhaPatil
D. Sheila Dixit

भारतीयराज्यकीपहलीमनहलाराज्यपालकौनथी?

A. सरोनजनीनायडू
B. इनदराग⬤ि⬤⬤ी
C. प्रनतभापानटल
D. शीलादीनक्षत

38. Who is the first Indian women Olympic Medal winner?

A. SainaNehwal
B. Sakshi Malik
C. KarnamMalleshwari
D. SaniaMirza

पहल⬤ीभारतीयमनहल⬤ाओल⬤पकपदकनिज⬤ेताक⬤ौनह⬤े?

A. साइनानेहिाल
B. साक्षीमनलक
C. कणममल्ल⬤ेश्वरी
D. साननयानमज⬤ा

39. In which year the Rabindranath Tagore won the 'Nobel Prize in Literature'?

रि⬤ह्नाथटग⬤ोरनै⬤   नकसिर⬤म⬤⬤ 'सानहत्मनि⬤ ⬤बलपरस्क्ाु⬤ध़े ' जीता?

A. 1918
B. 1913
C. 1915
D. 1920

40. Which is the highest civilian award of the Republic of India?

A. The Padma Shri
B. The Padma Bhushan
C. The Padma Vibhushan
D. The Bharat Ratna award

भारतगणराज्यकासिोच्चनागररकपुरस्कारकौनसाहै?

A. पद्मश्री
B. पद्मभूर्ण
C. पद्मनिभूर्ण
D. भारतरत्न

Section E – Logical Reasoning

41. Choose the correct option:

If Taj Mahal : India, then Pyramid : ?
A. The United States of America
B. Egypt
C. London
D. Paris

सहीनिकल्पचुनें:

अगरताजमहल: भारत, तोनपरानमड:?

A. सय्‍क्तराष्अम्‌ेररक्‌ा
B. नमस्‍र
C. लदन
D. पेररस

42. Choose the correct option:

Shimla : Hill:: Udaipur : ?
A. Beach
B. Mountain
C. Plateau
D. Lake

सहीनिकल्पचुनें:
नशमला: पहाडी:: उदयपुर:?

A. समुद्रतट
B. प‍ित
C. पठार
D. झील

43. Choose the odd one out:

A. 23
B. 19
C. 43
D. 56

निर्मचुनें:

A. 23
B. 19
C. 43
D. 56

44. Preeti is 16 years old. Preeti's father is 2 years older than her mother. Preeti's mother is 4 years older than 3 times Preeti's age. What is the age of Preeti's father?

प्रीनतक ीउम्र 16 सालहै ।प्रीनतके नपत ○उसक ◌ीम ○स े 2 सालबड ◌े है ○ं ।प्र ◌ीनतक ◌ीम ○।प्रीनतक ◌ीउम्रके 3 ग ◌ुनास े 4
सालबडीहै ।प्र ◌ीनतके नपत ○क ◌ीउम्रक्य ○।है ?

A. 52 years
B. 50 years
C. 56 years
D. 54 years

45. Choose the correct option:
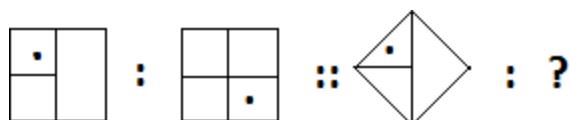

A.
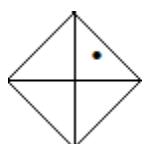
B.
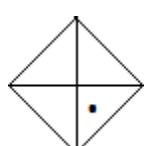
C.
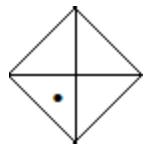
D. None of these

सहीनिकल्पचुनें:
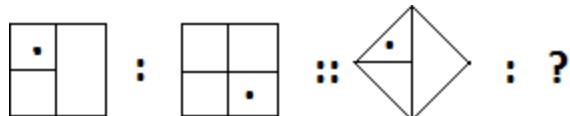
A.
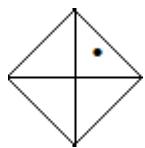
B.
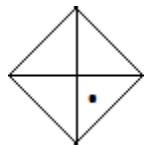
C.
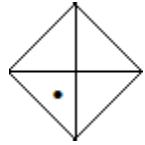
D. इनमेसेकोईनही

46. How many meaningful english words can be formed with the letters RABG using each letter only once in each word?

प्रत्‍‍‍‍कशब्दमेंके‍ लिएएकबारप्रत्‍‍‍‍कअक्षरकाउपयोगकरके RABG अक्षरोके‍ साथनकतने‍साथकअगर्‍‍‍जीशब्दबनाएजासकते‍है‍‍‍ं?

A. 0
B. 1
C. 2
D. 3

47. Which number will replace the question mark in the given figure?

द‍ीगईआकृ‍ नतमे‍‍‍ंप्रश्नचन्हक‍ीजगहक‍ौनसीसख्याह‍ोग‍ी?
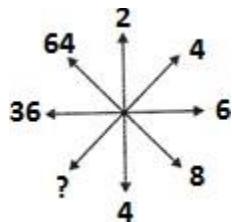
A. 10
B. 16
C. 18
D. 34

48. If "+" is "×", "-" is "+", "×" is "÷" and "÷" is "-", then solve the following:

$25 \times 5 - 7 + 3 \div 4$
A. 22
B. 20
C. 32
D. Cannot be determined

यनद "+" "×" है, "-" "+" है, "×" "÷" हैऔर "÷" "-" है, तोननम्नलिखितकोहलकरें:25 $\times 5 - 7 + 3 \div 4$

A. 22
B. 20
C. 32
D. नन⬚ाररतनह⬚ीकयाजासकताह⬚

49. Arrange the given words in the sequence in which they occur in the dictionary and choose the correct sequence.

नदएगएशब्दोक⬚ोउसक्रमम⬚ं व्यि⬚िख्थतकर⬚ं नजसम⬚ शब्दकोशमहोतहऔरस⬚ं हीअन⬚क्रमच⬚न⬚ं।

1. Accent   2. Access   3. Achieve   4. Ache   5. Absorb
A. 5, 2, 1, 3, 4
B. 5, 2, 1, 4, 3
C. 5, 1, 2, 3, 4
D. 5, 1, 2, 4, 3

50. If English alphabets are written in the reverse order, what will be the 9th letter on the left of the 12th letter from the right end?

यनदअग्र⬚जीअक्षरउल्ट⬚ क्रमम⬚ंल⬚ि⬚गएह⬚ं, तोद⬚ानहन⬚ छोरस⬚ 12 ⬚ंअक्षरक⬚ बाईओर 9 ⬚ंTअक्षरक्य⬚होग⬚ा?

A. T
B. U
C. V
D. F