ATOMIC ENERGY EDUCATION SOCIETY
MULTIPLE CHOICE QUESTIONS TEST
ACADEMIC YEAR 2018-19

CLASS: VIII   TIME : 01 Hour
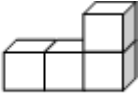SUBJECT : MATHEMATICS   MARKS : 40

_____

Instructions:

Answer all the questions. Each question carries one mark.
Choose the right answer and write its corresponding alphabet in the space provided.

S.No.	Question	Correct Option
1	The ratio 7: 15 is equivalent to a) 46(1/3)% b) 40(2/3)% c) 47(1/3)% d) 47(2/3)%	
2	The amount received by Mr. Raman on Rs 4096 after 18 months at 12.5% p.a, interest being compounded half yearly is a) Rs 4,913 b) Rs 817 c) Rs 5,184 d) 4,624	
3	At what rate% per annum will a sum of Rs 4000 yield compound interest of Rs 410 in 2 years? a) 5% b) 4% c) 3% d) 2%	
4	The shopkeeper loses the selling price of 4 pens on selling 36 pens. His loss% is a) 12.5% b) 11.11% c) 10% d) 8%	
5	Radha earns 22% of her investment. If she earns Rs 187 then her investment is a) Rs 870 b) RS 860 c) Rs 850 d) Rs 840	
6	The single discount equivalent to two successive discounts of 15% and 20% is a) 32% b) 35% c) 38% d) 40%	
7	A man got a 10% increase in his salary. If his new salary is Rs 1,54,000 then the original salary is a) Rs 1,10,000 b) Rs 1,20,00 c) Rs 1,30,000 d) Rs 1,40,000	
8	If the side of a square is $(5x - 3)$ then the area of a square is a) $25x^2 - 15x + 9$ b) $25x^2 - 8x + 9$ c) $25x^2 - 30x + 9$ d) $25x^2 + 30x + 9$	
9	The dimensions of a cuboid are -6x , 5y and 3z then its volume is a) $-90xyz$ b) $90xyz$ c) $9xyz$ d) $-14xyz$	
10	The value of $(x - y + z) (x + y - z)$ is a) $x^2 - y^2 + z^2 + 2xy$ b) $x^2 - y^2 - z^2 + 2yz$ c) $-x^2 - y^2 + z^2 + 2xz$ d) $x^2 + y^2 - z^2$	
11	The expression $(3x - 4) (3x + 1)$ is equal to a) $9x^2 - 9x + 4$ b) $9x^2 + 9x - 4$ c) $9x^2 + 9x - 4$ d) $9x^2 - 9x - 4$	
12	The value of $(-2xy) (0.5y^2z^2) (-4z^2x^3)$ is a) $-4x^3y^3z^3$ b) $4x^4y^3z^5$ c) $4x^5y^5z^5$ d) $8x^4y^5z^5$	
13	If $2a + b = 9$ and $ab = -4$ the $4a^2 + b^2$ is equal to a) 97 b) 65 c) 25 d) -7	

14	If the length and breadth of a rectangle are $(4x^3 - 2x)$ and $(2x^2 + 1)$ then its area is a) $8x^3 - 4x^2 + 2x - 1$ b) $8x^3 + 4x^2 + 2x - 1$ c) $8x^5 - 2x$ d) $8x^3 - 4x^2 - 2x - 1$	
15	The factors of $12x^2y - 15xy^2$ is a) $(3xy) (4x - 5y)$ b) $(4xy) (3x - 5y)$ c) $(3xy) (5x - 4y)$ d) $(5xy) (3x - 4y)$	
16	The factors of $5y^2 - 20y - 8z + 2yz$ is a) $(y + 4)(5y + 2z)$ b) $(y - 4)(5y + 2z)$ c) $(y + 4)(5y - 2z)$ d) $(y - 5)(4y + 2z)$	
17	The factors of $x^2 + 10x - 144$ is a) $(x + 18)(x + 8)$ b) $(x + 18)(x - 8)$ c) $(x - 18)(x + 8)$ d) $(x - 18)(x - 8)$	
18	The factors of $x^2 - 2x + 1$ is a) $(x + 1) (x + 2)$ b) $(x - 1) (x - 2)$ c) $(x - 1) (x - 1)$ d) $(x + 2) (x - 1)$	
19	The factors of $x^2 + 17x + 66$ is a) $(x - 11)(x - 6)$ b) $(x + 11)(x - 6)$ c) $(x - 11)(x + 6)$ d) $(x + 11)(x + 6)$	
20	The factors of $x^2 - 113x + 222$ is a) $(x - 111)(x - 2)$ b) $(x + 111)(x - 2)$ c) $(x - 111)(x + 2)$ d) $(x + 111)(x + 2)$	
21	The factors of $x^2 - xy + 8x - 8y$ is a) $(x - y) (x + 8)$ b) $(x + y) (x - 8)$ c) $(x + y) (x + 8)$ d) $(x - y) (x - 8)$	
22	Which of the following is the other name of a cube? a) a tetrahedron b) a regular hexahedron c) a square prism d) a cuboctanedron	
23	Which of the following solids has maximum number of vertices? a) cylinder b) cuboid c) cone d) tetrahedron	
24	If the base of a prism is a polygon of 'n' sides, then which of the following is the number of faces of the prism? a) $n + 2$ b) $n + 1$ c) n d) $n - 1$	
25	The solid which is not a polyhedron is a) pyramid b) prism c) cuboid d) cylinder	
26	The name of a polyhedron whose base is a polygon of five sides is a a) hexagonal pyramid b) tetrahedron c) pentagonal pyramid d) none of these	

27	If F, E and V represent the faces, edges and vertices respectively of a polyhedron, then which of the following is the Euler's formula? a) F − V + E = 2 b) F + V + E = 2 c) F + V − E = 2 d) F + V = 2 - E	
28	 The top view of the given figure is a. b. c. d. None of these	
29	The volume of a cylinder whose diameter is equal to its height is a) $\pi r^2 h$ b) $\dfrac{\pi h^3}{4}$ c) $\dfrac{\pi h^3}{8}$ d) $\dfrac{\pi^3 r}{16}$	
30	In a trapezium, sum of two parallel sides is 20 cm and distance between them is 5 cm. Its area is a) 100 cm^2 b) 50 cm^2 c) 25 cm^2 d) 200 cm^2	
31	Two cubes each of edge 5 cm are joined end to end. The surface area of the resulting cuboid is a) 125 cm^2 b) 240 cm^2 c) 250 cm^2 d) 500 cm^2	
32	If the edge of cube is 1 cm, then its volume will be a) 6 cm^3 b) 3 cm^3 c) 1 cm^3 d) 12 cm^3	
33	The volume of water tank is 3m^3. Its capacity in litres is: a) 30 b) 300 c) 3000 d) 30000	
34	Radius of a circle is 7 cm. Its perimeter is a) 44 cm b) 36 cm c) 58 cm d) 154 cm	
35	Which of the following is the value of $\left(\frac{4}{5}\right)^{-9} \div \left(\frac{4}{5}\right)^{-9}$? a) $\left(\frac{4}{5}\right)^{18}$ b) $\left(\frac{4}{5}\right)$ c) 1 d) $\left(\frac{5}{4}\right)^{9}$	
36	The expression 0.0006 ÷ 0.0084 in the standard form is a) 9×10^{-3} b) 9×10^{-4} c) 9×10^{-2} d) 1.44×10^{-2}	

37	Which of the following is the reciprocal of $\left(\frac{-3}{4}\right)^0$ a) -1 b) 1 c) $\frac{-4}{3}$ d) $\frac{4}{3}$	
38	If 'n' is an odd positive integer, then $(-1)^n$ is equal to a) 1 b) 0 c) -1 d) none of these	
39	$\left[\left(\frac{1}{2}\right)^{-1} + \left(\frac{2}{3}\right)^{2} - \left(\frac{3}{4}\right)^{0}\right]^{-2}$ is equal to: a) $\frac{81}{484}$ b) $\frac{81}{169}$ c) $\frac{169}{81}$ d) $\frac{16}{81}$	
40	When $5 \times 10^{-3} - 2000 \times 10^{-6}$ is expressed in standard form, we get: a) 3×10^{-2} b) 3×10^{-3} c) 3×10^{3} d) 3×10^{2}	

ATOMIC ENERGY EDUCATION SOCIETY
MULTIPLE CHOICE QUESTIONS TEST
ACADEMIC YEAR 2018-19

CLASS : VIII   **TIME : 01 Hour**
SUBJECT : SCIENCE   **MARKS : 40**

Instructions :
(a) Answer all the questions. Each question carries one mark.
(b) Choose the right answer and write its corresponding alphabet in the box provided against the question.

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1 What unit do scientists use to measure force? -----------------------------------
   (A) Newton   (B) Grams
   (C) Meters   (D) Meter per second per second

2 When you slide a box across the floor, the force required to push
   the box must be stronger than ---
   (A) Support force   (B) Friction force   (C) Gravity   (D) Air resistance

3 The magnetic force is a ---
   (A) Contact force   (B) Force at distance
   (C) Consequential force   (D) None of these.

4 A box of weight 400 N is kept on the floor. The area of contact is 4 m^2.
   The pressure exerted by the box on the floor is -------------------------------------
   (A) 100 Pa   (B) 200 Pa   (C) 300 Pa   (D) 400 Pa

5 As we go to the higher altitude, the atmospheric pressure_____-------------------
   (A) Decreases   (B) Same   (C) Increases   (D) Can not say

6 A body is said to be under balanced forces when the resultant force applied
   on that body is --
   (A) Infinite   (B) Zero   (C) One   (D) None of these.

7   The strength of force is expressed by --
   (A) weight   (B) mass   (C) magnitude   (D) longitudinal force

8 It is difficult to walk on an oily floor because --
   (A) Floor gets spoiled   (B)There is more resistance
   (C) Force of friction is high   (D) Force of friction is very less

9 Friction is a force that ---
   (A) Decrease with larger mass
   (B) Neither frictional nor gravitational
   (C) Does not exist when surfaces are too sm
   (D) Opposes an object's motion

10 A block is sliding on a horizontal surface. The friction can be increased by ----------
    (A) Decreasing the mass of the block
    (B) Decreasing the area of contact with surface
    (C) By polishing the surface
    (D) By putting second block on the top

11 The force of friction which acts on the surfaces just to slide one over the other,
        is called--
    (A) Limiting friction (B) Rolling friction   (C) Sliding friction   (D) All of these

12 Burning of meteor in the atmosphere is due to --
    (A) Electrostatic force(B) Magnetic force   (C) Frictional force   (D) Gravitational force

13 Which is an example of friction that is helpful? --------------------------------------
    (A) Car engine parts wearing out   (B) Hole developing in your socks
    (C) Tyres moving a car forward on the road   (D) Soil erosion by wind

14 Friction can be reduced by --
    (A) Polishing   (B) Oiling
    (C)By use of Ball bearing   (D) All of these
15 _____ is a musical instrument which has vibrating part as air column.------
    (A) Veena   (B) Tabla   (C) Flute   (D) Jaltrang

16 Striking a pan with a stick producing sound due to -----------------------------------
    (A) wave motion   (B) oscillation   (C) beating   (D) vibration

17 Frequency of _____ is one oscillation per second.----------------------------------
    (A) 1 Hz   (B) 20 Hz   (C) 10 Hz   (D) 1Db

18 The vocal cords in men are about _____ long. ----------------------------------
    (A) 30 mm   (B) 15 mm   (C) 20 mm   (D) 10 mm
19 Ultrasound has frequency of vibration ---
    (A) between20 and 20,000 Hz   (B) below 20 Hz
    (C) above 20,000 Hz   (D)between 500 and 10,000 Hz
20 The loudness of sound depends on ---
    (A) its amplitude   (B) its frequency   (C) its time period   (D) its speed

21 Large amplitude of sound vibrations will produce.-------------------------------------
    (A) Loud sound   (B) Meak sound   (C) slow sound   (D) shreak

22 _____ does not conduct electricity.---
    (A) Iron   (B) Gold   (C) Silver   (D) Distilled water

23 An electrolyte is ---
   (A) a salt   (B) a solution
   (C) a liquid that conducts current   (D) all of above

24 Nowadays ornaments are coated with gold. This process is ---------------------------
   (A) electrolysis   (B) electroplating   (C) Painting   (D) washing

25 Which of the following option is correct? --
   (A) metal object on which electroplating is to be done made as negative electrode
   (B) the chemical effect produced by electric current depends on nature of solutions
   (C) chemical effect of current deals with only physical change
   (D) both a and b

26 A device used to test the charge on an object is called ----------------------------------
   (A) ammeter   (B) electroscope   (C) seismography   (D) none of these

27 The boundaries of the earth plate are known as ---
   (A) seismic zone   (B) fault zone   (C) both a and b   (D) none of these

28 Benjamin Franklin short lightning in --
   (A) 1725   (B) 1527   (C) 1752   (D) 1572

29 Interaction of charges is called --
   (A) Lightning   (B) electric discharge   (C) earthing   (D) electricity

30 Which of the following cannot be charged easily by friction --------------------------
   (A) a plastic scale   (B) a copper rod   (C) an inflated balloon   (D) a woolen cloth

31 A major tsunami occurred in the Indian Ocean on ---------------------------------------
   (A) 26th Dec 2001   (B) 26th Dec 2002   (C) 26th Dec 2003   (D) 26th Dec 2004

32 The periscope uses two plane mirror strips each of the which is kept inclined
      to the axis of the tube---
   (A) 30 degree   (B) 45 degree   (C) 60 degree   (D) 90 degree

33 The Eye lens is ---
   (A) concave   (B) convex   (C) Plano concave   (D) plano-convex

34 Image formed by a plane mirror is ---
   (A) virtual behind the mirror and enlarge
   (B) virtual behind the mirror and of the same size as the object
   (C) real at the surface of the mirror and enlarged
   (D) real behind the mirror and of the same size as the object

35 The phenomenon of the interchange of the left and right sides between
   the object and its image ---
   (A) reflection   (B) refraction   (C) lateral inversion   (D) dispersion

36 The light sensitive cell having shapes of cones --

       A) Respond mainly to colours of incident light
       B) respond mainly to amount of incident light
       C) respond to both colour and amount of light
       D) enables us to see in dark

37 Which is the brightest planet? ---
    (A) Mercury   (B) Venus   (C) Earth   (D) Saturn

38 The change in seasons on the earth occurs because -------------------------------------
    (A) the distance between the Earth and the Sun is not constant
    (B) the axis of rotation of the Earth is parallel to the plane of its Orbit
    (C) the axis of rotation of the Earth is perpendicular to the plane of its Orbit
    (D) the axis of rotation of the Earth is tilted with respect to the plane of its Orbit

39 The constellation, of which pole star is a part, is ---------------------------------------
    (A) Ursa Major   (B) Ursa minor   (C) Orion   (D) Scorpio

40 Which of the following is not a planet of the Sun?---------------------------------------
    (A) Sirius   (B) Mercury   (C) Saturn   (D) Earth

ATOMIC ENERGY EDUCATION SOCIETY
MULTIPLE CHOICE QUESTIONS TEST
ACADEMIC YEAR 2018-19

CLASS : VIII   **TIME: 1 HOUR**

SUB: SOCIAL SCIENCE   **MARKS : 40**

INSTRUCTIONS:-

Attend all the questions. Each question carries one mark.

Choose the right answer and write its corresponding alphabet in the bracket provided against the question.

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1   Spinning Jenny was invented by:--(   )

      a) Weld   b) Dorabji   c) John Kaye   d) Raisen

2   TISCO expanded steel production during the:---(   )

      a) First World War   b)18th Century   c) 2nd World War   d)19th Century

3   Portuguese first came to India in search of ….. --(   )

      a) Cotton   b) Spices   c) Steel   d) Muslin

4   Tipu Sultan's sword was made of ………..--(   )

      a) Stainless Steel   b) Wootz   c) Silver   d) Gold

5   Who said these: 'Education means all round drawing out the best in child and man body, mind and spirit':---(   )

      a) RabindraNathTagore   b) Swami Vivekanand

      c) William Jones   d) Mahatma Gandhi

6   ………………….. started the Santiniketan in 1901.------------------------------------(   )

      a) RabindraNath Tagore   b) Swami Vivekananda

      c) Mahatma Gandhi   d) J C Bose

7 According to whom, 'English education had enslaved Indians'.-----------------------(   )

    a) Subhash Chandra Bose   b) Mahatma Gandhi

    c) VinobaBhave   d) Sardar Patel

8 Madrasa was set up in Calcutta in the year: .---(   )

    a) 1715   b) 1761   c) 1771   d) 1781

9 Who supported the idea of self –respect movement?.------------------------------------(   )

    a) Mumtaz Ali   b) Rammohun Roy   c) Periyar   d) PanditaRamabai

10 Widow Remarriage Act was passed in the year:.--(   )

    a) 1826   b) 1856   c) 1876   d) 1886

11 AryaSamaj was founded by:.--(   )

    a) H.L.V. Derozio   b) Swami Vivekananda

    c) Vidyasagar   d) DayanandSaraswat

12 Who started schools for Muslim girls in Patna and Calcutta?--------------------------(   )

    a) Sayyid Ahmed Khan   b) Mumtaz Ali

    c) Begum RokeyaSakhawatHossain   d) William Jones

13 Who register the FIR?---(   )

    a) Fire men   b) Police men   c) Lawyer   d) Public Prosecutor

14 What is the act of keeping the accused in custody by the police?-----------------------(   )

    a) Cross examine   b) Detention   c) F I R   d) Repression

15 Article 21 of Constitution Guarantees……..--(   )
    a) Right to speech   b) Right to life
    c) Right to freedom   d) Right to express

16 Who decides whether a person is guilty or not?---(   )
    a) Advocate   b) Police   c) Judge   d) Defence Lawyer

17   What literally means the original inhabitants?--(   )

a) Adivasis   b) Minorities   c) Ghatto   d) Devoid

18   …….. is a locality which is populated largely by members of a particular community. (   )

a) Ghetto   b) Majority   c) Minority   d) colony

19   The minorities are forced to live on the margins of economic and social development, this is

known as--(   )

a) Malnourished   b) Marginalisation   c) Displaced   d) Rehabilitation

20   In the constitution safeguards are provided to protect:----------------------------------(   )

a). Brahmin   b) Majority   c) Minorities   d) Hindus

21. Which of the following were brought in with British art? --------------------------------------(   )

a) Oil painting   b) Miniature   c) Mural art   d) Life-size portrait painting

22. Muhammed Ali Khan, the Nawab of Arcot, commissioned two European artists to pain oil

painting and portraits. The painters' were_____.--------------------------(   )

a) Tilly Ketlle and George Willison   b) Johann Zoffany and Tilly Kettle

c) Thomas Daniell and William Daniell   d) Johann Zoffany and George Willison

23. Local painters near the Kalighat temple were _____.--------------------------------(   )

a) Patuas   b) Kumors in eastern India

c) Kumhars in north India   d) All of them

24. Central Post Office in Calcutta has rounded arches and pillars. The style of architecture was
borrowed from _____.--(   )

a) Doric   b) Gothic   c) Classical style of Greece & Rome   d) Corinthian

25) Raja Ravi Varma belongs to the state of_____.--------------------------------------(   )

a) Tamil Nadu   b) Kerala   c) Odisha   d) Karnataka

26 The Vernacular Press Act was enacted in _____.---(   )

a) 1840   b) 1857   c) 1878   d) 1890

27. Marathi newspaper 'Kesari' was edited by_____.---------------------------------(   )
a) Lala Lajpat Rai   b) Balagangadhar Tilak
c) Chitta Ranjaan Das   d) Sarojini Naidu

28. Gandhiji called the Non-Cooperation Movement in _____.---------------------------(   )
    a) 1922   b) 1924   c)1925   d) 1930

29. The first Indian woman to become President of Indian National Congress was _____ ---(   )
    a) Sarojini Naidu   b) Kamala Nehru
    c) Pandit Vijayalakshmi   d) none of these

30. In which year the Rowlatt Act was passed? ---(   )
    a) 1917   b) 1918   c) 1919   d) 1920

31. Change of raw materials into products of more value to people is called as _____------- (   )
    a) Farming   b) Lumbering   c) Manufacturing   d) none of these

32. Anand Milk Union Limited is as example of _____.-------------------------------(   )
    a) Joint Sector   b) Public Sector   c) Co-operative Sector   d) Private Sector

33. What process does the iron ore undergo in a blast furnace? -------------------------------(   )
    a) Refining   b) Smelting   c) Casting   d) none of these

34. About _____of the Indian textile industry's total production is exported. ----------(   )
    a) two-third   b) three-third   c) one-third   d) none of these

35. ITI is the full form of _____.--(   )
    a) Indian Training Institute   b) Institute of Technology of India
    c) Indian Telephone Industry   d) none of these

36. Which of the following is marginalized group in our Indian society? ----------------------(   )
    a) Women   b) Men   c) Children   d) none of these

37. How does government ensure to end the inequality in the country? ------------------------(   )
    a) through laws   b) through reservation
    c) Both (a) and (b)   d) none of these

38. Rathnam refused to perform the ritual because_____.----------------------------(   )
    a) He had become a big politician   b) He had become a lawyer
    c) He had no faith in this practice   d) He hated the priests

39. The practice of removing human excreta is known as _____.----------------------(   )
    a) Manual handling   b) Manual cleaning
    c) Manual discharge   d) Manual Scavenging

40. In which year the Central Government passed the Scheduled Tribes and Other Traditional Forest
Dwellers (Recognition of Forest Rights) Act? --(   )
    a) 1993   b) 1989   c) 2001   d) 2006

AEES
MCQ TEST
ACADEMIC YEAR - 2018-19
ANSWER KEY

Class :VIII	Subject: Maths
Q. No.	Correct Option
1	B
2	A
3	A
4	C
5	C
6	A
7	D
8	C
9	A
10	B
11	D
12	B
13	A
14	C
15	A
16	B
17	B
18	C
19	D
20	A
21	A
22	B
23	B
24	A
25	D
26	C
27	C
28	C
29	B
30	B
31	B
32	C
33	C
34	A
35	C
36	A
37	B
38	C
39	B
40	B

AEES
MCQ TEST
ACADEMIC YEAR 2018-19
ANSWER KEY

class:VIII   subject: SCIENCE

sno	Correct option
1	A
2	B
3	B
4	A
5	C
6	B
7	C
8	D
9	D
10	D
11	C
12	C
13	C
14	D
15	A
16	D
17	A
18	C
19	C
20	A
21	A
22	D
23	D
24	B
25	A
26	B
27	C
28	C
29	A
30	B
31	D
32	B
33	B
34	D
35	B
36	A
37	B
38	D
39	B
40	A

AEES
MCQ TEST 2018-19
CLASS: VIII
SUBJECT: SOCIAL SCIENCE
ANSWER KEY

1   c. John Kaye.

2   a. First World War.

3   b. Spices

4   b. Wootz.

5   d. Mahatma Gandhi.

6   a. RabindraNath Tagore.

7   b. Mahatma Gandhi.

8   d. 1781.

9   c. Periyar.

10   b. 1856.

11   d. DayanandSaraswati.

12   c. Begum RokeyaSakhawatHossain.

13. b. Policemen.

14. b. Detention.

15. b. Right to life.

16. c. Judge.

17. a. Adivasis.

18. a. Ghetto.

19. b. Marginalisation.

20. c. Minorities.

21. a) Oil painting

22 a) Tilly Kettle and George Willison

23 d) All of them

24 c) Classical style of Greece & Rome

25 b) Kerala

26 c) 1878

27 b) Bal Gangadhar Tilak

28 a) 1922

29 a) Sarojini Naidu

30 c) 1919

31 c) Manufacturing

32 c) Co-operative Sector

33 b) Smelting

34 c) one-third

35 c) Indian Telephone Industry

36 a) Women

37 c) Both (a) and (b)

38 c) He had no faith in this practice

39 d) Manual Scavenging

40 d) 2006