

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

CLASS: VII
SUBJECT : MATHEMATICS

TIME : 01 Hour
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 of 2 km to 10 m is _____ a. 2:1 b. 20:1 c. 200:1 d. 2:10	
2	$60\% + 26\% + \underline{\hspace{2cm}} = 100\%$ a. 86% b. 34% c. 24% d. 14%	
3	The whole quantity if 5% of it is 25 is _____ a. 1250 b. 500 c. 250 d. 125	
4	Convert 7.5% to decimal fraction a. 0.075 b. 0.75 c. 7.5 d. 75	
5	An article was sold for Rs.240 with a profit of 20%. What was its cost price? a. Rs.200 b. Rs.220 c. Rs.248 d. Rs.288	
6	A shop keeper bought a washing machine for Rs.24000 and sold it for a profit of 25%. Find the selling price. a. Rs.24025 b. Rs.28000 c. Rs.30000 d. Rs.32000	
7	Find the amount to be paid on Rs.15000 at 5% per annum after 2 years. a. Rs. 1500 b. Rs.15000 c. Rs.16500 d. Rs.18000	
8	A map is given with a scale of 2cm = 1000km. What is the actual distance between two places in km if the distance in the map is 5cm? a. 5000 km b. 3500 km c. 2500 km d. 2000 km	
9	$1 - \frac{3}{11} = \underline{\hspace{2cm}}$ a. $\frac{-2}{11}$ b. $\frac{2}{11}$ c. $\frac{-8}{11}$ d. $\frac{8}{11}$	
10	$20 - 4x \frac{3}{4} = \underline{\hspace{2cm}}$ a. 12 b. 2 c. $\frac{17}{4}$ d. 17	
11	_____ has no reciprocal. a. 0 b. -1 c. 1 d. 5%	
12	Reduce $\frac{24}{-36}$ to standard form. a. $\frac{-1}{3}$ b. $\frac{-2}{3}$ c. $\frac{-12}{18}$ d. $\frac{-3}{4}$	

13	Which of the following is not a rational number? a. 0 b. $\frac{-1}{2}$ c. π d. 0.75	
14	There are _____ number of rational numbers between any two rational numbers. a. 0 b. unlimited c. 1 d. 2	
15	Which of the following pairs represent the same rational number? a. $\frac{-7}{21}$ & $\frac{1}{3}$ b. $\frac{-16}{20}$ & $\frac{20}{-25}$ c. $\frac{3}{5}$ & $\frac{3}{-5}$ d. $\frac{1}{5}$ & $\frac{2}{25}$	
16	$\frac{3}{13} \div 13 =$ _____ a. 3 b. $\frac{3}{26}$ c. $\frac{3}{169}$ d. $\frac{169}{3}$	
17	Which of following criterion triangle construction is not possible? a. SSS b. SAS c. ASA d. SSA	
18	In a triangle construction an angle 90° is drawn then the other two angles are (a) complementary (b) supplementary (c) obtuse angles (d) reflex angles	
19	To construct a triangle the sum of the angles must be equal to (a) less than 180° (b) greater than 180° (c) equal to 180° (d) equal to 360°	
20	In a triangle construction the angles are 60°, 60° and 60° then the triangle is (a) equilateral triangle (b) isosceles triangle (c) scalene triangle (d) right triangle	
21	In the Construction of triangle using SAS criterion A stands for (a) exterior angle of the two sides (b) included angle between the two sides (c) any vertex angle (d) Vertically opposite angle	
22	In a construction of right triangle we observe hypotenuse (a) opposite to right angle (b) adjacent to right angle (c) exterior of the right angle (d) altitude of the right angle	
23	To construct a triangle using SSS criterion the sum of two sides must be (a) greater than the third side (b) less than the third side (c) equal to third side (d) none	
24	In which of the following cases triangle construction is possible? (a) 600 , 1000 and 300 (b) 900,300 and 900 (c) 450 ,450 and 900 (d) 600, 700 and 600	
25	The ratio of the radii of two circles is 3:2. What are their circumferences? a)2:3 b)1:3 c)3:2 d) 3:1	
26	A circle is inscribed in a square of side 28cm. Find the area of the circle. a) 661cm ² b) 616 cm ² c) 166 cm ² d) 660 cm ²	
27	50 hectare = _____ m ² a) 5000 b) 50,000 c) 5,00,000 d) 50,00,000	

28	The radius of a circle is doubled. What is the ratio of the new circle to the area of the given circle? a) 1:4 b) 2:1 c) 1:2 d) 4:1	
29	Find the length of a parallelogram whose area is 246cm and base in 20cm ² . a)1.23cm b) 3.2cm c)12.3cm d)1.32cm	
30	A circle has area which is 100 times the area of another circle. What is the ratio of their circumferences a) 10:1 b)1:10 c)1:1 d) 2:1	
31	The breadth of a rectangle with length 12cm and perimeter 36cm is: a) 6cm b) 3cm c) 9cm d) 12cm	
32	An ox tied to a pole with 10m long rope. The ox moves keeping the rope tight. Find the area of the ground swept by the rope in one round. a) 31.4 m ² b) 614 m ² c) 314 m ² d) 416 m ²	
33	Which of the following is the value of $(x + 1/x)^2$? a) $x^2 + 1/x^2$ b) $x^2 - 1/x^2$ c) $x^2 + 1/x^2 + 2$ d) $x^2 + 1/x^2 + 2x$	
34	Expansion of $(x + 3y)(x - y)$ gives a) $x^2 + 2xy - 3y^2$ b) $x + 3y - 2xy$ c) $-2y + 3x$ d) $3y - 42x$	
35	Algebraic expression of word expression "subtract eight times of number c from ten times of number b" is a) 2bc b) 8b - 10c c) 10b - 8c d) 10c - 8b	
36	On simplifying expression $10x + 8x$, answer will be a) 8x b) 10x c) 18x d) 180x	
37	Which of the following is the numerical coefficient of x^2y^2 ? a) 0 b) 1 c) x^2 d) y^2	
38	Expansion and simplification of $8(3h - 4) + 5(h - 2)$ gives a) $24h - 37$ b) $36 - 4h$ c) $29h - 42$ d) $38 + 42h$	
39	pqr is what type of polynomial? a) Monomial b) Binomial c) Trimonial d) None of these	
40	If $t = 50$, $u = 25$ and $v = 16$ then $(2t + 3u) + 2(t - u)$ is a) 7000 b) 8000 c) 5950 d) 225	

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TIME : 01 Hour

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Instructions : Answer all the questions. Each question carries one mark.

Choose the correct answer and write its corresponding alphabet in the provided box.

-
- 1 The taking in of air into the body is called-----
(A) inhalation (B) exhalation (C) breathing (D) respiration
- 2 Earthworm breathes through -----
(A) Lungs (B) Spiracles (C) Moist skin (D) Gills.
- 3 The average number of times a person breathes in a minute is -----
(A) 20-25 (B) 15-18 (C) 30-40 (D) 12-14
- 4 The percentage of carbon dioxide in exhaled air is -----
(A) 4.0 (B) 3.9 (C) 40 (D) 4.4
- 5 The acid produced by our muscles during respiration in the absence of oxygen is-----
(A) Lactic acid (B) Oxalic acid (C) Citric acid (D) Tartaric acid
- 6 Spiracles are the breathing structures in -----
(A) Earthworm (B) Cockroach (C) Fish (D) Frog
- 7 The gas which changes lime water milky -----
(A) Carbon dioxide (B) Hydrogen (C) Nitrogen (D) Oxygen
- 8 A protein haemoglobin is present in -----
(A) Red blood cells (B) White blood cells (C) Platelets (D) Plasma
- 9 is temporarily stored before excretion in -----
(A) Kidneys (B) Ureter (C) Urinary bladder (D) Urethra
- 10 The blood cells which help in clotting of blood in case of any injury ----
(A) Red blood cells (B) White blood cells (C) Platelets (D) All the above

- 11 Circulation of blood in human body was discovered by -----
- (A) William Harvey (B) J.C.Bose (C) Khorana (D) Watson and Crick
- 12 Water from the roots to the leaves is transported by -----
- (A) Phloem (B) Xylem (C) Both xylem and phloem (D) Cambium
- 13 The total number of chambers in human heart are -----
- (A) Four (B) Three (C) Two (D) Five
- 14 The reproductive part of the plant is -----
- (A) Root (B) Stem (C) Leaf (D) Flower
- 15 An example of a plant which reproduces by leaves is -----
- (A) Bryophyllum (B) Rose (C) Mango (D) Ginger
- 16 Fragmentation is a process of reproduction in -----
- (A) Fern (B) Spirogyra (C) Bryophyllum (D) Mushroom
- 17 The process of budding is observed in -----
- (A) Yeast (B) Spirogyra (C) Fern (D) Bryophyllum
- 18 An example for unisexual flower is -----
- (A) Mustard (B) Rose (C) Petunia (D) Corn
- 19 The structure formed after fertilisation in plants is -----
- (A) Ovary (B) Pollen (C) Zygote (D) Ovule
- 20 The seeds of coconut are dispersed with the help of -----
- (A) Birds (B) Air (C) Insects (D) Water
- 21 A bus travels 54 km in 90 minutes. The speed of the bus is -----
- (A) 0.6 m/s (B) 10 m/s (C) 5.4 m/s (D) 3.6 m/s
- 22 A car moves with a speed of 40 km/h for 15 minutes and then with a speed of 60 km/h for the next 15 minutes. The total distance covered by the car is: -----
- (A) 100 km (B) 25 km (C) 15 km (D) 10 km
- 23 The time taken by a pendulum of given length to complete one oscillation is -----
- (A) Different at different times (B) Same at all times
(C) Increases at different times (D) Decreases at different times

- 24 The distance-time graph is a -----
- (A) bar graph (B) pie chart (C) line graph (D) histogram
- 25 The time taken by the pendulum to complete one oscillation is called its -----
- (A) frequency (B) time period. (C) amplitude (D) oscillation
- 26 Balram walks to his school which is at a distance of 3 km from his home in 30 minutes. On reaching he finds that the school is closed and comes back by a bicycle reaches home in 20 minutes. His average speed in km/h is -----
- (A) 8.3 (B) 7.2 (C) 5 (D) 3.6
- 27 An ancient Time measuring device SUNDIAL at JantarMantar is in-
- (A) Ahmedabad (B) Mumbai (C) Delhi (D) Lucknow
- 28 A combination of two or more cells is called -----
- (A) cell (B) battery (C) generator (D) dynamo
- 29 Who discovered that when a compass needle is kept nearer to an electric current is flowing, it deflects? -----
- (A) Hans Christian Orested (B) Michal Faraday
(C) Newton (D) Maxwell
- 30 Electric Bell works on the principle -----
- (A) Electrical energy is converted into mechanical energy
(B) Electrical energy is converted into sound energy
(C) Mechanical energy is converted into sound energy
(D) Sound energy is converted into electrical energy
- 31 Choose the statement which is not correct in the case of an electric fuse-----
- (A) Fuses are inserted in electric circuits of all buildings.
(B) There is a maximum limit on the current which can safely flow through the electric circuits.
(C) There is a minimum limit on the current which can safely flow in the electric circuits.
(D) If a proper fuse is inserted in a circuit it will blow off if current exceeds the safe limit.
- 32 Fluorescent tubes and CFLs contain _____ vapour, toxic in nature-----
- (A) hydrogen (B) silica (C) halogen (D) mercury

- 33 The amount of heat produced in a wire depends on its -----
- (A) material (B) length (C) thickness (D) all of the above
- 34 In the symbol of the electric cell, the longer line represents the _____
the thicker, shorter line represents the _____ terminal. -----
- (A) positive, negative (B) negative, positive
(C) positive, positive (D) negative, negative
- 35 Boojho and Paheli were given one mirror each by their teacher. Boojho
to be erect and of the same size whereas Paheli found her image erect and
This means that the mirrors of Boojho and Paheli are, respectively ----
- (A) plane mirror and concave mirror. (B) concave mirror and convex mirror.
(C) plane mirror and convex mirror. (D) convex mirror and plane mirror.
- 36 If an object is placed at a distance of 0.5 m in front of a plane mirror,
the distance between the object and the image formed by the mirror
will be -----
- (A) 2 m (B) 1 m (C) 0.5 m (D) 0.25 m
- 37 Splitting of white light is called -----
- (A) reflection (B) refraction (C) dispersion (D) lateral inversion
- 38 Type of mirror that is used as a rear-view mirror in case of vehicles is--
- (A) Concave mirror (B) Convex mirror (C) Plane mirror (D) None of the above
- 39 The image which can be caught on a screen is called -----
- (A) real (B) virtual (C) impression (D) shadow
- 40 A concave lens always forms -----
- (A) erect, virtual and smaller image than the object
(B) erect, real and smaller image than the object
(C) inverted, real and larger image than the object
(D) inverted virtual and larger image than the object

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ACADEMIC YEAR 2018-19

CLASS : VII
SUB: SOCIAL SCIENCE

TIME: 1 HOUR
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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.

-
1. Who were known as the rathakaras?----- ()
a. Chariot makers b. Soldiers c. Brahmanas d. Carpenters
 2. The Cheras were defeated in 1591 by----- ()
a. Maharana Pratap b. Amar Singh c. Raja Man Singh d. Prithviraj Chauhan
 3. Which tribe was influential in Punjab in 13th and 14th centuries?----- ()
a. Khokhar b. Ahoms c. Gonds d. Banjaras
 4. The main occupation of Gond tribes was----- ()
a. trade b. agriculture c. goldsmith d. blacksmith
 5. Historic works called Buranjis were written in -----and Ahom language.- ()
a. Hindi b. Bengali c. Assamese d. Sanskrit
 6. Who taught that Brahman, the only or ultimate reality was formless _____.-- ()
a) Ramanuja b) Sundarar c) Shankaracharya d) Appar
 7. Virashaivism began in _____ state.----- ()
a) Tamil Nadu b) Kerala c) Andhra Pradesh d) Karnataka
 8. _____ propagated strict monotheism or submission to one God.----- ()
a) Islam b) Hindu c) Christian d) Buddhism
 9. Mira Bai became a disciple of _____.----- ()
a) Kabir b) Shivdas c) Guru Nanak d) Ravidas
 10. The capital of Chera kingdom was _____.----- ()
a) Thiruvananthapuram b) Mahodayapuram c) Udayapuram d) Permalpuram

11. The term Kathak is derived from _____.----- ()
 a) Gatha b) Nrithya c) Thandava d) Katha
12. Kangra was _____.----- ()
 a) School of Science b) School of Commerce
 c) School of Painting d) School of Drama
13. Grassland grows in the region of----- ()
 a. Moderate rain b. Heavy rain c. Poor rain d. None of these
14. In which type of climate are thorny bushes mainly found? ----- ()
 a. Hot and humid tropical climate b. Hot and drydesertic climate
 c. Cold polar climate d. None of these
15. Where are temperate evergreen forests found? ----- ()
 a. South east USA b. South China c. South East Brazil d. All of these
16. What is the name of the tropical grasslands of Venezuela? ----- ()
 a. Savanna b. Campos c. Llanos d. Down
17. Thar is the desert of..... ----- ()
 a.China B. India c. Pakistan d.Bhutan
18. Yaks are found in----- ()
 a. Tibet b. China c. Bhutan d. Myanmar
19. Where did early man live? ----- ()
 a. On trees and in caves b. In kuchcha houses
 c. In pucca houses d. In huts
20. Name the mode of transport used to reach an Island? ----- ()
 a. Train b. Ship c. Car d. Bus
21. The Golden Quadrilateral connects Delhi,Mumbai,Chennai and..... ----- ()
 a. Kolkata b. Meerut c. Pune d. Surat
22. Toucans are a type of _____.----- ()
 a) Birds b) Animals c) Crops d) Insects
23. Manioc is the staple food of _____.----- ()
 a) Ganga Basin b) Africa c) Amazon d) America
24. Kolkata is located on the river _____.----- ()
 a) Orange b) Hooghly c) Krishna d) Bhagirathi
25. Deodars and Firs are a type of _____.
 a) Coniferous Trees b) Deciduous Trees c) Shrubs d) Mangroves

26. Bengal Tiger is found in_____.----- ()
 a) Mountains b) Sundarbans c) Amazon d) Africa
27. _____ are small rivers that join the main river. ----- ()
 a) Tributaries b) Distributaries c) Lakes d) Lagoons
28. Which of the following are forms of media? ----- ()
 a. T.V. b. Radio c. Newspaper d All of these
29. Which is the main source of income of media? ----- ()
 a. Advertisements b. Articles c. General News d. None of these
30. What is khabarlahriya? ----- ()
 a.It's a local magazine b. It is a story book
 c. It is a local newspaper d.None of these
- 31.With the electronic typewriters , journalism underwent a sea- change in the.....()
 a. 1950s b. 1940s c. 1960s d. 1970s
32. Where all do we see advertisement? ----- ()
 a. Televisions b. Newspapers c. Magazines d. All of these
33. Who is confused because it really cannot be differentiated between top taste item and best taste item? ----- ()
 a. Consumer b. Manufacturer c. Shopkeeper d. Dealer
34. Producing and showing advertisements in the media is very ----- ()
 a. Cheap b. Expensive c. Excellent d. None of these
35. Advertising by focussing on the lives of the rich and famous helps us forget about issues of..... ----- ()
 a. poverty b. Discrimination c. Dignity d. All of these
- 36._____ is so called because it is held on a specific day of the week. ----- ()
 a) Daily market b) Monthly market c) Weekly market d) Yearly market
37. A Large building with many floors that has shops, restaurants and even a Cinema theatre is called_____.----- ()
 a) Mall b) Mail c) Mole d) Mile
38. _____refers to buying and selling in large quantities. ----- ()
 a) Wholesale b) Retail c) Resell d) Small scale
39. A series of markets that are connected like a chain because products pass from one market to another is called _____.----- ()
 a) Fall of market b) Chain of markets
 c) Group of markets d) Rise of markets
40. People in urban areas can enter markets without going to shops via _____.()
 a) Shops b) Mall c) Stores d) Internet

AES
MCQ TEST
ACADEMIC YEAR - 2018-19
ANSWER KEY

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

AES
MCQ TEST
ACADEMIC YEAR 2018-19
ANSWER KEY

class:VII subject: SCIENCE

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

AEES
M.C.Q. TEST 2018-19
Class VII
Subject –Social Science

1. a. Chariot makers
2. c. Raja Man Singh
3. a. Khokhar
4. a. Trade
5. c. Assamese
6. c. Shankarcharaya
7. d. Karnataka
8. a. Islam
9. d. Ravidas
10. b. Mahodayapuram
11. d. Katha
12. c. School of Painting
13. a. Moderate rain
14. b. Hot and dry desertic climate
15. d. All of these
16. c. Llanos
17. b. India
18. a. Tibet
19. a. On trees and in caves
20. b. Ship
21. a. Kolkata
22. a. Birds
23. c. Amazon
24. b. Hooghly
25. a. Coniferous Trees
26. b. Sundarbans

- 27. a. Tributaries
- 28. d. all of these
- 29. a. Advertisement
- 30. c. It is a local newspaper
- 31. b. 1940s
- 32. d. All of these
- 33. a. consumer
- 34. b. Expensive
- 35. d. All of these
- 36. c. Weekly market
- 37. a. Mall
- 38. a. Wholesale
- 39. b. Chain of markets
- 40. d. Internet