ATOMIC ENERGY EDUCATION SOCIETY
MULTIPLE CHOICE QUESTION TEST (AUGUST 2019)

Std : **VII**   Subject: **MATHEMATICS**   Time: **1 hr.**   MM: **40**

Name:_____   Class/Sec: ___   Roll No:___

Invigilator's Sign:_____   Examiner's Sign_____

Instruction : Write the correct option in the bracket (   ) given below the corresponding question.

Q1. Which of the following is a proper fraction

a) $\frac{13}{17}$ b) $\frac{17}{13}$ c) $\frac{12}{5}$ d) $1\frac{3}{4}$

Ans: (   )

Q2. By what number should $1\frac{3}{4}$ be divided to get $2\frac{1}{2}$

a) $\frac{3}{7}$ b) $1\frac{2}{5}$ c) $\frac{7}{10}$ d) $1\frac{3}{7}$

Ans: (   )

Q3. $75.57 \div 0.01 =$

a) 7557   b) 0.7557   c) 755.7   d) 7.557

Ans: (   )

Q4. If 14 x 4 = 56 , then, 0.014 x 4 =

a) 0.56   b) 5.6   c) 0.056   d) none of the above

Ans: (   )

Q5. If $\frac{3}{8}$ and $\frac{x}{24}$ are equivalent fractions then x =

a) 3   b) 6   c) 9   d) 12

Ans: (   )

Q6. $\frac{102}{119}$ in simplest form is

a) $\frac{6}{7}$ b) $\frac{7}{6}$ c) $\frac{6}{17}$ d) $\frac{12}{19}$

Ans: (   )

Q7. If $\frac{x}{2} + \frac{1}{3} = 1$ then

a) $\frac{3}{4}$ b) $\frac{4}{3}$ c) $-\frac{3}{4}$ d) $\frac{-4}{3}$

Ans: (   )

Q8.If the mean of 6, 4 , 7 , p and 10 is 8 then the value of p is

   a) 13   b)6   c)12   d)8

Ans: (**)**

Q9. The median of the data : 25, 34,31,23,22,26,35,28,20,32 is

   a) 27   b)26   c)28   d)25

Ans: (**)**

Q10.The mean of 10 observations is 15 . If one observation 15 is added , then the new mean is

a)16   b)11   c)10   d)15

Ans: (**)**

Q11.An unbiased coin is tossed once , the probability of getting head is

a)$\frac{1}{2}$ b)$\frac{1}{1}$ c)$\frac{1}{3}$ d)$\frac{1}{4}$

Ans: (**)**

Q12.When a dice is thrown ,the total number of possible outcomes is

   a) 6   b)1   c)3   d)4

Ans: (**)**

Q13. The mode of the data 9, x, 6,3,4,9,8,6,4,6 is 6 . Which of the following cannot be the value of x ?

a)8   b)7   c)6   d)9

Ans: (**)**

Q14. The mean of first five prime numbers is

a)5.6   b)5.5   c)5.4   d)5.2

Ans: (**)**

Q15. A bag contains 4 green balls , 4 red balls and 2 blue balls .If a ball is drawn from the bag , the probability of getting neither green nor red balls is

a)$\frac{2}{5}$ b)$\frac{1}{2}$ c)$\frac{4}{5}$ d)$\frac{1}{5}$

Ans: (**)**

Q16. If x = (-1) x(-1)x(-1)x……………25 times , y = (-3)x(-3)x(-3), then xy =

a)-27   b)27   c)26   d)-26

Ans: (**)**

Q17.On subtracting -14 from -18 we get

   a) 4   b)-4   c)-32   d)32

Ans: (   )

Q18.(-1)+(-1)+(-1)+(-1) +……………500 times =

a)500   b)1   c)-1   d)-500

Ans: (   )

Q19. The reciprocal of the fraction $2\frac{3}{5}$ is

   $a) 2\frac{5}{3}$ $b) \frac{13}{5}$ $c) \frac{5}{13}$ $d) 2\frac{2}{5}$

Ans: (   )

Q20. $9 X \frac{-1}{9} X (-3) X \frac{-1}{3} =$

a)1   b)-1   c)-3   d)3

Ans: (   )

Q21. The smallest of the fractions $\frac{2}{3}, \frac{4}{7}, \frac{8}{11}$ and $\frac{5}{9}$ is

$a) \frac{2}{3}$ $b) \frac{4}{7}$ $c) \frac{8}{11}$ $d) \frac{5}{9}$

Ans: (   )

Q22.What should be added to 5.09 to get 5.5 ?

   a) 0.41   b)0.59   c)0.49   d)0.95
Ans: (   )

Q23.8 ml is equal to

   a)0. 8 l   b)0.08 l   c)0.008 l   d)none of these

Ans: (   )

Q24.5 kg 5 g written in decimal notation is

   a)5.5 kg   b)5.05kg   c)5.005kg   d)5.0005kg

Ans: (   )

Q25. Twice a number when increased by 7 gives 25 . The number is

   a)7   b)9   c)10   d)8

Ans: (   )

Q26.If $\frac{x+2}{x-2} = \frac{2}{3}$ then x =

   a) -10   b)10   c)$\frac{4}{3}$ d)$\frac{-4}{3}$

Ans: (   )

Q27.The sum of two consecutive whole numbers is 43 . The smaller number is

 a)21   b)22   c)23   d)24

Ans: (   )

Q28.The perimeter of a rectangle is 56m , the length of a rectangle is three times its width then the length is

a)7m   b)14m   c)21m   d)28m

Ans: (   )

Q29.If the sum of a number and its two fifth is 70 then the number is

a)70   b)50   c)60   d)90

Ans: (   )

Q30.If 2 (n+5) = 3 (n-10) , then n =
a)   40   b)   -40   c)   10   d)-10

Ans: (   )

Q31.Out of the following which satisfy the equation x +6=10

a)x=-4   b)x=4   c)x=16   d)x=-16

Ans: (   )

Q32.   0.02 X0.05 =

a)0.1   b)0.01   c)0.001   d)0.0001

Ans: (   )

Q33.When 0.2 is written in the simplest form of its terms , the sum of its numerator and denominator is

a)   1   b)   5   c)   4   d) 6

Ans: (   )

Q34.The sum of two integers is -8 .If one of the integers is 12 ,then the other is

a)20   b)4   c)-4   d)-20

Ans: (   )

Q35.If Y ÷34= 0 then Y =

a)34　　　　　　　　b)-34　　　　　　　　　c)0　　　　　　　d)none of these

Ans: (　　)

Q36.(-35) x 2 +(-35) x 8 =

a)-350　　　　　　b)-70　　　　c)-280　　　　　　　d)350

Ans: (　　)

Q37.The additive inverse of -3 is

a)3　　　　　　　b)$\frac{-1}{3}$　　　　　c)$\frac{1}{3}$　　　　　　d)-3

Ans: (　　)

Q38. The place value of 3 in 7.835 is

　a) 3　　　　　　b)0.3　　　c)0.03　　　d)0.003

Ans: (　　)

Q39.The product of two decimals is 42.987 . If one of them is 12.46 then the other is

a)3.45　　　　　　b)3.045　　　c)3.405　　　　　　d)3.4005

Ans: (　　)

Q40. (-1)x (-1)x(-1)x…………………199 times =

a)-1　　　　　　　　b)1　　　　　c)199　　　d)-199

Ans: (　　)

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ATOMIC ENERGY EDUCATION SOCIETY, MUMBAI
Answer Key of Multiple Choice Questions-2019-20

CLASS :VII   **TIME : 1 HOUR**
SUBJECT : MATHEMATICS   **MARKS :40**

Q1. a) 13/17
Q2.c)7/10
Q3. a)7557
Q4. c)0.056
Q5. c)9
Q6. a)6/7
Q7. b)4/3
Q8. a)13
Q9. a)27
Q10. d)15
Q11. a)1/2
Q12. a)6
Q13. c)6
Q14. a)5.6
Q15. d)1/5
Q16. b)27
Q17. b) -4
Q18. d)-500
Q19. c) 5/13
Q20. b)-1
Q21. d)5/9
Q22. a)0.41
Q23. c)0.008 1
Q24. c) 5.005kg
Q25. b) 9
Q26. a)-10
Q27. a)21
Q28. c)21
Q29. b)50
Q30. a)40
Q31.a)x=4
Q32. c)0.001
Q33. d)6

Q34. d)-20
Q35. c)0
Q36. a)-350
Q37. a)3
Q38. c)0.03
Q39. a)3.45
Q40. a)-1

Atomic Energy Education Society, Mumbai
Session: 2019-20
MCQ Test (August, 2019)

Class: VII   **Maximum Marks: 40**

Subject: Science   **Time Allowed: 01 Hour**

Name of the Student: _____ **Roll No:** _____

Class/ Sec-Roll No: _____**Date of Exam:** _____

_____

Each question is a **multiple-choice** question with four answer choices. Read each question - carefully and choose the ONE correct option write the answer in the box provided on the right side of the question.

Q1.	The term that is used for the mode of nutrition in yeast, mushroom and bread-mould is (a) autotrophic (b) insectivorous (c) saprophytic (d) parasitic	
Q2.	Organisms which prepare food for themselves using simple naturally available raw materials are referred to as (a) heterotrophs (b) autotrophs (c) parasites (d) saprophytes	
Q3.	When we observe the lower surface of a leaf through a magnifying lens we see numerous small openings. Which of the following is the term given to such openings? (a) Stomata (b) Lamina (c) Midrib (d) Veins	
Q4.	In the absence of which of the following will photosynthesis not occur in leaves? (a) Guard cells (b) Chlorophyll (c) Vacuole (d) Space between cells	
Q5.	Pitcher plant traps insects because it (a) is a heterotroph. (b) grows in soils which lack in nitrogen. (c) does not have chlorophyll. (d) has a digestive system like human beings	
Q6.	Which of the following raw material is available in the air for photosynthesis? (a) Oxygen (b) Carbon dioxide (c) Nitrogen (d) Hydrogen	
Q7.	The enzymes present in the saliva convert (a) fats into fatty acids and glycerol. (b) starch into simple sugars. (c) proteins into amino acids. (d) complex sugars into simple sugars.	
Q8.	The false feet of Amoeba are used for (a) movement only. (b) capture of food only. (c) capture of food and movement. (d) exchange of gases only	

Q9.	The swallowed food moves downwards in the alimentary canal because of (a) force provided by the muscular tongue. (b) the flow of water taken with the food. (c) gravitational pull. (d) the contraction of muscles in the wall of food pipe.	
Q10.	The acid present in the stomach (a) kills the harmful bacteria that may enter along with the food. (b) protects the stomach lining from harmful substances. (c) digests starch into simpler sugars. (d) makes the medium alkaline	
Q11.	Cud is the name given to the food of ruminants which is (a) swallowed and undigested. (b) swallowed and partially digested. (c) properly chewed and partially digested. (d) properly chewed and completely digested.	
Q12.	Which of the following pair of teeth differ in structure but are similar in function? (a) canines and incisors. (b) molars and premolars. (c) incisors and molars. (d) premolars and canines.	
Q13.	Silkworms secrete fibre made of (a) fat (b) cellulose (c) protein (d) nylon	
Q14.	Which of the following is not a type of silk? (a) Mulberry silk (b) Tassar silk (c) Mooga silk (d) Moth silk	
Q15.	The term sericulture is used for (a) culture of bacteria. (b) rearing of silkworm. (c) making silk fabric from silk yarn. (d) production of sarees	
Q16.	Reeling of silk is (a) a process of making silk reels. (b) spinning of silk fibres. (c) weaving of silk cloth. (d) the process of taking silk threads from cocoon.	
Q17.	Paheli and Boojho measured their body temperature. Paheli found her's to be 98.6 °F and Boojho recorded 37°C. Which of the followng statement is true? (a) Paheli has a higher body temperature than Boojho. (b) Paheli has a lower body temperature than Boojho. (c) Both have normal body temperature. (d) Both are suffering from fever.	

Q18.	Sea breeze is caused due to (a)Conduction (b)Convection (c)Radiation (d)All the Above	
Q19.	A marble tile would feel cold as compared to a wooden tile on a winter morning, because the marble tile (a) is a better conductor of heat than the wooden tile. (b) is polished while wooden tile is not polished. (c) reflects more heat than wooden tile. (d) is a poor conductor of heat than the wooden tile.	
Q20.	'Litmus', a natural dye is an extract of which of the following? (a) China rose (Gudhal) (b) Beetroot (c) Lichen (d) Blue berries (Jamun)	
Q21.	Neutralisation reaction is a (a) physical and reversible change. (b) physical change that cannot be reversed. (c) chemical and reversible change. (d) chemical change that cannot be reversed.	
Q22.	A solution changes the colour of turmeric indicator from yellow to red. The solution is (a) basic (b) acidic (c) neutral (d) either neutral or acidic	
Q23.	Which of the following set of substances contain acids? (a) Grapes, lime water (b) Vinegar, soap (c) Curd, milk of magnesia (d) Curd, vinegar	
Q24.	Phenolphthalein is a synthetic indicator and its colours in acidic and basic solutions, respectively are (a) red and blue. (b) blue and red. (c) pink and colourless. (d) colourless and pink	
Q25.	When the soil is too basic, plants do not grow well in it. To improve its quality what must be added to the soil? (a) Organic matter (b) Quick lime (c) Slaked lime (d) Calamine solution	
Q26.	Which of the following is a physical change? (a) Rusting of iron (b) Combustion of magnesium ribbon (c) Burning of candle (d) Melting of wax	
Q27.	Which of the following is a chemical change? (a) Twinkling of stars (b) Cooking of vegetables (c) Cutting of fruits (d) Boiling of water	
Q28.	Galvanisation is a process used to prevent the rusting of which of the following? (a) Iron (b) Zinc (c) Aluminium (d) Copper	

Q.29	Which of these is a chemical change? (a) dissolving sugar in water (b) putting soft iron nails in boiling vegetable oil. (c)dissolving powdery ash obtained on burning magnesium in water (d) salt in seawater
Q30.	Which of the following is a autotrophic plant (a) cuscuta (b) mushroom (c) sunflower (d) mould
Q31.	Relationship between roots in bean and rhizobium bacterium is (a) parasite (b) saprophytic (c) symbiotic (d) none of these
Q32.	Symbiotic relationship between an alga and fungus is found in (a) pitcher plant (b) lichen (c) mushroom (d) mistletoe
Q33.	Absorption of digested food takes place in (a) oesophagus (b) stomach (c) ileum (d) rectum
Q34.	Villi , the finger like projections are present in (a) oesophagus (b) stomatch (c) ileum (d) large intestine
Q35.	Which ruminant has incisors on its upper jaw? (a) cow (b) camel (c) sheep (d) buffalo
Q36.	Removal of fleece from the skin of a sheep is (a) carding (b) scouring (c) shearing (d)spinning
Q37	Which of the following is obtained from plants? (a) wool (b) silk (c) polyester (d) cotton
Q38.	Acid present in curd? (a) lactic acid (b) formic acid (c) acetic acid (d) hydrochloric acid
Q39.	A wooden spoon is dipped in a cup of ice cream .Its other end (a) becomes cold by the process of conduction (b) becomes cold by the process of convection (c) becomes cold by the process of radiation (d) does not become cold
Q40.	Stainless steel pans are usually provided with copper bottoms. The reason for this could be that (a) copper bottoms make the pan more durable (b) such pans appear colourful (c) copper is a better conductor of heat than the stainless steel (d) copper is easier to clean than the stainless steel.
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Atomic Energy Education Society, Mumbai
Session: 2019-20
MCQ Test (August, 2019)

Class : VII   Subject: Science

Answer Key

Question Number	Correct Option
Q1.	1.c. saprophytic
Q2.	2.b. autotrophs
Q3.	3.a. Stomata
Q4.	4.b Chlorophyll
Q5.	5.b. grows in soils which lack in nitrogen.
Q6.	6.b. Carbon dioxide
Q7.	7.b. starch into simple sugars
Q8.	8.c. capture of food and movement
Q9.	9.d. the contraction of muscles in the wall of food pipe
Q10.	10.a . kills the harmful bacteria that may enter along with the food
Q11.	11.b. swallowed and partially digested
Q12.	12.b. molars and premolars
Q13.	13.c . protein
Q14.	14.d. Moth silk
Q15.	15 b. rearing of silkworm
Q16.	16 d. the process of taking silk threads from cocoon
Q17.	17 c. Both have normal body temperature
Q18.	18 b. Convection
Q19.	19 a. is a better conductor of heat than the wooden tile.
Q20.	20. c . Lichen
Q21.	21 .d. chemical change that cannot be reversed.
Q22.	22 . a . basic

Q23.	23. d . Curd, vinegar
Q24.	24. d . colourless and pink
Q25.	25. a . Organic matter
Q26.	26 . d . Melting of wax
Q27.	27. b . Cooking of vegetables
Q28.	28 . a. Iron
Q.29	29 . c .dissolving powdery ash obtained on burning magnesium in water
Q30.	30. c.sunflower
Q31.	31. c.symbiotic
Q32.	32. b. lichen
Q33.	33. c. ileum
Q34.	34. c. ileum
Q35.	35. b. camel
Q36.	36 . c. shearing
Q37	37. d. cotton
Q38.	38. a. lactic acid
Q39.	39. d. does not become cold
Q40.	40 . c . copper is a better conductor of heat than the stainless steel

ATOMIC ENERGY EDUCATION SOCIETY

Class: VII **MCQ TEST** **Max. Marks: 40**
SUB: SOCIAL SCIENCE **Duration: 1 Hour**

Name : _____ Class/Sec: _____ R. No. _____

Invigilator Sign: _____ Examination Sign:_____

_____

Instruction: Write the correct option in the bracket ( ) given against the corresponding question.

Choose the Correct Answer: (1X40=40Marks)	**Answer**
1. A person who makes maps is a) a historian b) a cartographer c) an archaeologist d) an artist	**1. ( )**
2. The ------------ believed that the Prophet Muhammad's son-in-law, Ali, was the legitimate leader of the Muslim community. a) Sunni Muslims b) Hindus c) Britishers d) Shia Muslims	**2. ( )**
3. A Rashtrakuta Chief who overthrew his Chalukya overlord and performed a ritual called 'Hiranya–garbha' : a) Mayursharman b) Harichandra c) Dantidurga d) Vikramaditya	**3. ( )**
4. Kitab-al-Hind was written by a) Kalhana b) Chanakya c) Abul Fazl d) Al-Biruni	**4. ( )**
5. In 1191, Prithviraj III defeated an Afghan ruler named a) Muhammad Ghori b) Muhammad Ghazni c) Akbar d) Babur	**5. ( )**
6. Kanchipuram was the capital of a) Cholas b) Chalukyas c) Pallavas d) Kakatiyas	**6. ( )**
7. The town of Thanjavur and a temple for goddess Nishambhasudini was built by a) Rajaraja b) Rajendra c) Harshavardhana d) Vijayalaya	**7. ( )**
8. Land gifted to Brahmanas was called a) Shalabhoga b) Brahmadeya c) Devadana d) Vellanvagai	**8. ( )**
9. Delhi first became the capital of a kingdom under the a) Turkish rulers b) Tomara Rajputs c) Tughluqs d) Khaljis	**9. ( )**
10. During prayer, Muslims stand facing Mecca, in India this is to the a) West b) South c) North d) East	**10. ( )**
11. Iltutmish favoured special slaves purchased for military service called a) dikkus b) dasas c) bandagan d) muqtis	**11. ( )**
12. The residents of the old city were sent to the new capital of Daulatabad by a) Genghis Khan b) Alauddin Khalji c) Prithviraj Chauhan d) Muhammad Tughluq	**12. ( )**
13. Babur defeated Ibrahim Lodi in the first battle of Panipat in the year a) 1556 b) 1526 c) 1576 d) 1506	**13. ( )**
14. The first Mughal emperor was a) Akbar b) Aurangzeb c) Babur d) Shah Jahan	**14. ( )**
15. The book called 'Akbar Nama' was written by a) Abul Fazl b) Ziyauddin Barani c) Kalhana d) Akbar	**15. ( )**
16. The minister in charge of religious and charitable patronage was a) bakhshi b) faujdar c) kotwal d) sadr	**16. ( )**
17. Community is an example for _____ component of the environment. a) human made b) natural c) human d) abiotic	**17. ( )**
18. Plant and animal kingdom together make a) biosphere b) atmosphere c) hydrosphere d) lithosphere	**18. ( )**
19. World Environment day is celebrated on a) 5th July b) 5th August c) 5th January d) 5th June	**19. ( )**
20. The example for abiotic is a) plants b) land c) animals d) birds	**20. ( )**
21. The uppermost layer over the earth's surface is a) crust b) mantle c) core d) magma	**21. ( )**

22. The other name for igneous rocks is
    a) sedimentary rocks   b) metamorphic rocks   c) primary rocks   d) metamorphose rocks   22. (   )

23. Rocks which contain fossils are
    a) sedimentary rocks   b) metamorphic rocks   c) igneous rocks   d) primary rocks   23. (   )

24. The deepest mine in the world is in
    a) South America   b) South Africa   c) Asia   d) Australia   24. (   )

25. The place in the crust where the movement of the earthquake starts is
    a) epicentre   b) magma   c) mantle   d) focus   25. (   )

26. An earthquake is measured with a machine called
    a) thermometer   b) barometre   c) seismograph   d) wind vane   26. (   )

27. As the river enters the plain it twists and turns forming large bends known as
    a) levees   b) ox bow lake   c) delta   d) meanders   27. (   )

28. Mushroom rocks are found in
    a) deserts   b) river valleys   c) glaciers   d) flood plains   28. (   )

29. Which is a threat to environment?
    a) growing plants   b) growing population   c) growing crops   d) growing vegetation   29. (   )

30. 'Joothan' is the autobiography of a famous Dalit writer
    a) Rokeya Sakhawat   b) Rashsundari Devi   c) Omprakash Valmiki   d) Ramabai   30. (   )

31. The African-American woman, who changed the course of American history with one defiant act
    a) Rosa Parks   b) Rosa Andrews   c) Hillary Parks   d) Enid Parks   31. (   )

32. Universal Adult Franchise means all adult citizens above ------- years have right to vote.
    a) 21   b) 14   c)25   d) 18   32. (   )

33. The Civil Rights Act of ----------- prohibited discrimination on the basis of race, religion or national origin.
    a) 1954   b) 1906   c) 1946   d) 1964   33. (   )

34. A Public Healthcare System is a system of hospitals and health centres run by the
    a) private company   b) government   c) rich people   d) missionaries   34. (   )

35. Costa Rica is considered to be one of the healthiest countries in
    a) Africa   b) North America   c) south America   d) Asia   35. (   )

36. Foreigners who come to India for medical treatment at hospitals are called
    a) Medical tourists   b) Medical representatives   c) Non-resident Indians   d) Visitors   36. (   )

37. The Head of the State is the
    a) President   b) Chief Minister   c) Governor   d) Prime Minister   37. (   )

38. In a -------------, people organise meetings to voice their opinions and protest against the Government.
    a) Aristocracy   b) Monarchy   c) Dictatorship   d) Democracy   38. (   )

39. A group of political parties working together is
    a) coalition   b) co-operation   c) opposition   d) conference   39. (   )

40. Our ability to remain free of illness and injuries is called
    a) wealth   b) health   c) character   d) success   40.(   )

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ATOMIC ENERGY EDUCATION SOCIETY

Class: VII   **MCQ TEST**   **Max. Marks: 40**

Date: 31-08-2019   **SUB: SOCIAL SCIENCE**   **Time: 1 Hour**

ANSWER KEY

Question no.	Correct option	Correct answer
1	b	A cartographer
2	d	Shia Muslims
3	c	Dantidurga
4	d	Al-Biruni
5	a	Muhammad Ghori
6	c	Pallavas
7	d	Vijayalaya
8	b	Brahmadeya
9	b	Tomara Rajputs
10	a	West
11	c	Bandagan
12	d	Muhammad Tughluq
13	b	1526
14	c	Babur
15	a	Abul Fazl
16	d	Sadr
17	c	Human
18	a	Biosphere
19	d	5th June
20	b	Land
21	a	Crust
22	c	Primary rocks
23	a	Sedimentary rocks
24	b	South Africa
25	d	Focus
26	c	Seismograph
27	d	Meanders
28	a	Deserts
29	b	Growing population
30	c	Omprakash Valmiki
31	a	Rosa Parks
32	d	18
33	d	1964
34	b	Government
35	c	South America
36	a	Medical tourists
37	c	Governor
38	d	Democracy
39	a	Coalition
40	b	health