GK Aptitude Book

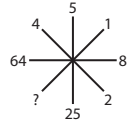## Mathematics/Logical Reasoning

Part 1

1. What will be the missing character?

a. 10
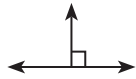b. 5
c. 1
d. 0

2. Which of the following is the best represented by the figure?

a. Right angle
b. Parallel lines
c. Obtuse angle
d. Intersecting lines

3. If '+' denotes '−', '−' denotes '+', ' ÷' denotes to '×' and '×' denotes to '÷, then what is the value of $3 \div 4 \times 2 - 1 + 5$?

a. 0
b. 1
c. 3
d. 2

4. A donkey ran at the speed of 18 km per hour for 3 hours, then at 15 km per hour for 2 hours. How far did the donkey run in all?

a. 78
b. 84
c. 80
d. 88

5. Which expression represents the product of X and 20?

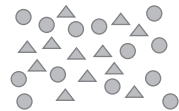a. x – 20
b. 20 + x
c. x/20
d. 20x

6. What percentage of figures are triangles?

a. 60%
b. 52%
c. 48%
d. 50%

7. Ankit can run 100 metres in 20 seconds. If he competes in the 400¬ metres race, about how many seconds will it take him to run the race?

a. 1 min 20 sec
b. 2 min 10 sec
c. 1 min 10 sec
d. 1 min 50 sec

8. What is the 60% of 80?

a. 50
b. 48
c. 54
d. 62

General awareness

Part 1

1. Who was the 11th president of the India?

   a. Pranab Mukherjee ☐   b. Pratibha Patil ☐

   c. Giani Zail Singh ☐   d. A.P.J. Abdul Kalam ☐

2. What is the boundary line between India and Pakistan called?

   a. Mc Mahon Line ☐   b. Radcliff line ☐

   c. 49th Parallel ☐   d. Durand Line ☐

3. Which is the smallest country in the world in terms of area?

   a. Vatican City ☐   b. Nauru ☐

   c. Maldives ☐   d. Morocco ☐

4. National aquatic animal of India is

   a. Tuna ☐   b. Lionfish ☐

   c. Dolphin ☐   d. Shark ☐

5. How many major languages are there in India?

   a. 24 ☐   b. 28 ☐   c. 29 ☐   d. 22 ☐

6. Who wrote the National Song of India "Vande Matram"?

   a. Maulana Abul Kalam Azad ☐

   b. Bankim Chandra Chatterjee ☐

   c. Rabindranath Tagore ☐

   d. Bhagat Singh ☐

7. Where is headquarters of United Nation (UN) located?

   a. New Delhi ☐   b. Amman ☐

   c. Paris ☐   d. New York ☐

8. Who invented electric motor (AC.?

   a. Thomas Alva Edison ☐   b. Graham Bell ☐

   c. Nikola Tesla ☐   d. Karl Benz ☐

Part 2

9. Who discovered 'laws of gravitation and motion'?

    a. Isaac Newton ☐   b. Albert Einstein ☐

    c. John Dalton ☐   d. Galileo ☐

10. Which continent has no desert?

    a. Antarctica ☐   b. Africa ☐

    c. South America ☐   d. Europe ☐

11. Which continent has no country?

    a. North America ☐   b. Antarctica ☐

    c. Asia ☐   d. Africa ☐

12. Which of the following is the largest and deepest ocean in the world?

    a. Arctic ocean ☐   b. Atlantic ocean ☐

    c. Pacific ocean ☐   d. Indian ocean ☐

13. First atom bomb was dropped at which country?

    a. Japan ☐   b. Russia ☐

    c. Mexico ☐   d. Iraq ☐

14. Which continent has only one country

    a. Africa ☐   b. Antarctica ☐

    c. Australia ☐   d. Asia ☐

15. Which country has no active volcano?

    a. Jordan ☐   b. Kuwait ☐

    c. Japan ☐   d. Australia ☐

16. Who was the first president of U.S.A.?

    a. John F. Kennedy ☐   b. George Washington ☐

    c. Abraham Lincoln ☐   d. Franklin D. Roosevelt ☐

Language
Part 1

1. Which of the following is the best meaning of "crocodile tears"?

   a. Pretended sorrows ☐   b. A very close friend ☐

   c. A crying crocodile ☐   d. Inattentive person ☐

2. Which of the following is the synonym of 'brutal'?

   a. Fearful ☐   b. Long ☐

   c. Gentle ☐   d. Atrocious ☐

3. Which of the following is the antonym of 'grand'?

   a. Warm ☐   b. Mean ☐

   c. Rough ☐   d. Cool ☐

4. Which of the following rhymes with 'utter'?

   a. Water ☐   b. Later ☐

   c. Shutter ☐   d. Mater ☐

5. A person new to something is called

   a. Novice ☐   b. Pedant ☐

   c. Sophist ☐   d. Jockey ☐

6. Which of the following means fit to be chosen?

   a. Legible ☐   b. Literate ☐

   c. Edible ☐   d. Eligible ☐

7. A group of sheep is called

   a. Poult ☐   b. Flock ☐

   c. Murder ☐   d. Student ☐

8. Which of the word is wrong in the given sentence: 'I lost a ten-rupees note.

   a. Rupees ☐   b. Lost ☐

   c. Note ☐   d. I ☐

Mental ability

Part 1

1. Month : 30 : : Leap Year : ?

   a. 12 ☐　　　　　　b. 365

   c. 366 ☐　　　　　　d. 360 ☐

2. Which of the following does not belong to the group?

   a. 159 ☐　　　　　　b. 249 ☐

   c. 339 ☐　　　　　　d. 129 ☐

3. Count the number of triangles in the following figure.

   a. 14 ☐　　　　b. 12 ☐

   c. 10 ☐　　　　d. 16 ☐
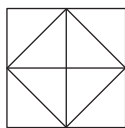
4. Reena made a triangle by cutting the corner of a sheet of paper. One angle is $45°$. What is the measure of the third angle of Reena's triangle?

   a. $35°$ ☐　　　　　　b. $90°$ ☐

   c. $50°$ ☐　　　　　　d. $45°$ ☐
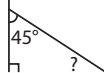
5. Find (?)

   a. 38 ☐　　　　　　b. 31 ☐

   c. 29 ☐　　　　　　d. 25 ☐

5	8	7
11	17	15
21	33	?

6. If '+' is written as '×', '-' is written as '÷', '×' is written as '-' and '÷' is written as '+', then what is the value of $72 + 9 \times 35 - 5 \div 12 - 6$?z

   a. 660 ☐　　　　　　b. 643 ☐

   c. 666 ☐　　　　　　d. 641 ☐

7. Simplify: $24 / 3 \times 45 + 23 - 12 =$?

   a. 468 ☐　　　　　　b. 349 ☐

   c. 326 ☐　　　　　　d. 371 ☐

8. Find (?)

   a. 8 and W ☐　　　　　b. 7 and U ☐

   c. 8 and U ☐　　　　　d. 7 and W ☐
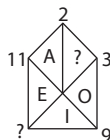
Computing skills

Part 1

1. If you convert the binary number 11001 to decimal, the answer will be

a. 25 ☐   b. 23 ☐   c. 3 ☐   d. 44 ☐

2. The Date and Time is present in which category of the Control Panel?

a. Programs ☐

b. Clock and Region ☐

c. Ease of Access ☐

d. Appearance and Personalization ☐

3. The Sort and Filter button is present on the _____ tab in Excel 2016.

a. View ☐   b. Data ☐

c. Insert ☐   d. Formulas ☐

4. _____ refers to a colour or a pattern that identifies the data series.

a. Data points ☐   b. Data labels ☐

c. Axis title ☐   d. Legend ☐

5. The New Layer button is present on the

a. Menu bar ☐   b. Timeline window ☐

c. Stage ☐   d. Tools panel ☐

6. To reload a webpage in the browser, _____ key is pressed on the keyboard.

a. F2 ☐   b. F4 ☐

c. F5 ☐   d. F12 ☐

7. In Visual Basic, which keyword is used to draw a line diagonally downward in the right direction?

a. E ☐   b. F ☐   c. G ☐   d. H ☐

8. _____ is a computer language used to create web pages in the form of documents.

a. Adobe Flash ☐   b. QBasic ☐

c. Python ☐   d. HTML ☐

Part 2

9. Netbus is an example of

  a. Trojan horse ☐
    b. boot sector virus ☐

  c. spyware ☐
    d. worms ☐

10. _____ infect executable program files.

  a. Program viruses ☐
    b. Macro viruses ☐

  c. Boot sector viruses ☐
    d. None of these ☐

11. Twitter was started out as a _____ website.

  a. Press media ☐
    b. Microblogging ☐

  c. Chatting ☐
    d. Video calling ☐

12. Which of the following is a social networking site?

  a. Gmail ☐
    b. Google Drive ☐

  c. Google Messages ☐
    d. Twitter ☐

13. Which of the following is not a positional number system?

  a. Hexadecimal Number System ☐

  b. Roman Number System ☐

  c. Decimal Number System ☐

  d. Binary Number System ☐

14. Which of the following is not an example of cell referencing?

  a. Relative ☐
    b. Absolute ☐

  c. Category ☐
    d. Mixed ☐

15. The _____ option allows you to distort the shape only from the corners.

  a. Alter ☐
    b. Distort ☐

  c. Adjust ☐
    d. Twist ☐

16. The _____ statement can be used to end or terminate any loop before it executes.

  a. EXIT ☐
    b. END ☐

  c. TERMINATE ☐
    d. Any of these ☐

Coding-Decoding

Part 1

1. In a certain code, DISTURB is written as DTWVUKF. How will FRIENDS be written in that code?

a. TEPGKSH ☐
b. TEOFJHS ☐
c. UFPGKTH ☐
d. UFPHKSH ☐

2. If in a certain code, O is written as P, A as B, M as N, S as T and so on, then how will COMPANIES be written in that code?

a. JJSLPLIOSA ☐
b. DPNQBOJFT ☐
c. DPNPBSOJF ☐
d. JJSLKPOISA ☐

3. If RIGHT is coded as SGJDY, then UPDZJ is the code for

a. Joker ☐
b. Taker ☐
c. Paper ☐
d. Trade ☐

4. In a certain code, BREAKTHROUGH is written as EAOUHRBRGHKT. How is DISTRIBUTION written in that code?

a. STAKHEIBSJJSL ☐
b. STTHOBUDNRI ☐
c. STTIBUDIONRI ☐
d. STAKUDIONRI ☐

5. In a certain code, 'BRAIN' is written as '÷'%'÷'#'×' and 'TIER' is written as '$ # + %'. How is 'RENT' written in that code

a. % + × $ ☐
b. % $ + # ☐
c. % + # $ ☐
d. % # - % ☐

6. If 'sky' is called 'star', 'star' is called 'cloud', 'cloud' is called 'earth', 'earth' is called 'tree' and 'tree' is called 'book', then where do we live?

a. Sky ☐
b. Star ☐
c. Tree ☐
d. Book ☐

7. In a certain code language, 'it pit sit' means 'I am boy', 'it nit sit' means 'I am girl', which of the following means 'girl'?

a. Pit ☐
b. Nit ☐
c. Sit ☐
d. It ☐

8. If 'WORK' is coded as '4-12-9-16', then how will you code 'WOMAN'?

a. 23-12-26-14-13 ☐
b. 4-26-14-13-12 ☐
c. 23-15-13-1-14 ☐
d. 4-12-14-26-13 ☐

Science

Part 1

1. Which gas is used by white blood cells to kill the invading bacteria?

    a. Nitrogen ☐   b. Bromine ☐

    c. Oxygen ☐   d. Carbon dioxide ☐

2. What is the percentage of oxygen in the inhaled air?

    a. 20% ☐   b. 21% ☐

    c. 27% ☐   d. 75% ☐

3. Normal range of breathing rate per minute in an adult person at rest is

    a. 9-12 ☐   b. 15-20 ☐

    c. 21-27 ☐   d. 30-33 ☐

4. In cockroach, air enters the body through

    a. Lungs ☐   b. Gills ☐

    c. Skin ☐   d. Spiracles ☐

5. The root cells also need _____ to generate energy.

    a. Oxygen ☐   b. Water ☐

    c. Sunlight ☐   d. Chlorophyll ☐

6. The voice box is called

    a. Glottis ☐   b. Larynx ☐

    c. Vocal cords ☐   d. Epiglottis ☐

7. Normal temperature of human body is

    a. 39° C ☐   b. 37° F ☐

    c. 39° F ☐   d. 37° C ☐

8. Acetic acid is found in

    a. Spinach ☐   b. Vinegar ☐

    c. Lemon ☐   d. Curd ☐

Part 2

9. Device used for measuring strength of an electric current is called

    a. Ammeter ☐   b. Dynamo ☐

    c. Voltmeter ☐   d. Thermostat ☐

10. Who discovered the theory of relativity?

a. Stephen Hawking ☐   b. Isaac Newton ☐

c. Albert Einstein ☐   d. Galileo ☐

11. Which of the following is a good conductor of heat?

a. Water ☐   b. Silver ☐

c. Wood ☐   d. Wool ☐

12. Smoking damages which organ?

a. Liver ☐   b. Heart ☐

c. Stomach ☐   d. Lungs ☐

13. Who invented gramophone?

a. Albert Einstein ☐   b. Alexander Graham bell ☐

c. Thomas Alva Edison ☐   d. Louise Prince ☐

14. Calcium hydroxide is found in

a. Calcium ☐   b. Lime water ☐

c. Calcium carbonate ☐   d. Calcium chloride ☐

15. Substances which are bitter in taste, feel soapy on touching are known as

a. Bases ☐   b. Acids ☐

c. Neutral solutions ☐   d. Indicators ☐

16. Which device is used to see magnified view of small particles?

a. Radiometer ☐   b. Thermostat ☐

c. Microscope ☐   d. Stroboscope ☐

Direction sense
Part 1

1. A man is facing north-west. He turns 90° in the clockwise direction and then 135° in the anticlockwise direction. Which direction is he facing now?

a. East ☐   b. North ☐

c. West ☐   d. South ☐

2. Ritik walked 30 m towards east, took a right turn and walked 40 m. Then he took a left-turn and walked 30 m. In which direction is he now from the starting point?

a. South-east ☐ b. North ☐
c. South ☐ d. South-west ☐

3. Rosy is performing yoga with her head down and legs up. Her face is toward the south. In which direction will her left hand be?

a. North ☐ b. East ☐
c. South ☐ d. West ☐

4. Jerry is facing south. He turns 35° in the anticlockwise direction then 180° in the clockwise direction. Which direction is he facing now?

a. South-east ☐ b. South-west ☐
c. North-west ☐ d. North-east ☐

5. Anil started walking straight facing west. After walking some distance he took a left turn and again after walking some distance he took a left turn. Which direction is he facing now?

a. North ☐ b. East ☐
c. West ☐ d. South ☐

6. If X is 40 m south-west of Y and Z is 40 m south-east of Y, then what is the direction of Z with respect to X?

a. South-east ☐ b. North-west ☐
c. West ☐ d. East ☐

7. Sameer walks 20 m north from his house, turn right and walks 10 m, turn left and walks 15 m to reach his uncle's house. In which direction is his uncle's house from his house?

a. North-west ☐ b. North-east ☐
c. South-east ☐ d. South-west ☐

8. A, B, C and D are playing cards. A, C and B, D are partners, if B is in the north of D and A is in the west of C, then what is the position of C with respect to D?

a. North-west ☐ b. South-east ☐
c. North-east ☐ d. South-west ☐

Blood relations

Part 1

1. Pointing to a photograph Monica says, "He is the son of the only son of my grandfather." How is the man in the photograph related to Monica?

   a. Father ☐   b. Grandfather ☐

   c. Brother ☐   d. Uncle ☐

2. Pointing to a photograph Pooja said to her friend, "She is the only daughter of the father of my brother." Whose photograph was that?

   a. Her mother's ☐   b. Her own ☐

   c. Her grandmother's ☐   d. Her sister's ☐

3. Looking towards a lady, Joey said, "She is the only daughter of the father of my mother." How Joey is related to that lady?

   a. Uncle ☐   b. Nephew ☐

   c. Husband ☐   d. Son ☐

4. Pointing towards a man, Namrata says, "his wife is the only daughter of my father." How is the man related to the woman?

   a. Brother-in-law ☐   b. Cousin ☐

   c. Husband ☐   d. Father ☐

5. Pointing to a person, Dave said to Salma, "His mother is the only daughter of your father." How is Salma related to the person?

   a. Mother ☐   b. Wife ☐

   c. Daughter ☐   d. Sister ☐

6. A girl introduced a boy as the son of the only daughter of the father of her maternal uncle. The boy is girl`s

   a. Father ☐   b. Grandfather ☐

   c. Brother ☐   d. Uncle ☐

7. While going to his office Prateek meets a man Mohit who is related to Prateek, because Prateek has a son. His name is Rajiv. Rajiv who is married to Tanu. Tanu is the daughter of Mohit. Tanu has a daughter Anjali. How is Prateek related to Anjali?

   a. Father ☐   b. Grandfather ☐

   c. Uncle ☐   d. Husband ☐

8. Ross said, " the girl is the wife of the grandson of my mother." How is Ross related to the girl?

a. Husband ▢   b. Brother ▢

c. Father ▢   d. Father-in-law ▢

Sequencing and series
Part 1

1. 7, 11, 13, 17, 19,?

a. 27 ▢   b. 29 ▢

c. 23 ▢   d. 21 ▢

2. 4, 12, 36, ?, 324, 972

a. 150 ▢   b. 108 ▢

c. 215 ▢   d. 227 ▢

3. In the given series, some letters are missing. Select the correct alternative.

a_ab_ab_bc_ba_cab

a. b c a b c ▢   b. b a c a b ▢

c. a c a b a ▢   d. b c a a b ▢

4. U, R, P, M, K, ?

a. N ▢   b. H ▢

c. E ▢   d. G ▢

5. Z26, Y25, X24, ?

a. W23 ▢   b. V23 ▢

c. U22 ▢   d. Y21 ▢

6. Letters of the word given below have been jumbled up. You are required to construct the word. Each letter has been numbered. Choose the option which gives the correct order of the letters as indicated by the numbers to form the word.

R T A O U H

1 2 3 4 5 6

a. 2, 3, 6, 4, 5, 1 ▢   b. 6, 3, 2, 4, 5,1 ▢

c. 3, 5, 2, 6, 4, 1 ▢   d. 1, 3, 4, 5, 6, 2 ▢

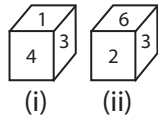**7.** 12 is related to 144 in the same way as 17 is related _____ .

    a.   120 ☐   b.   289 ☐

    c.   60 ☐   d.   100 ☐

Cube and dice
Part 1

1. Which will be at the bottom, if number 5 is at the top?

    a.   6 ☐   b.   3 ☐

    c.   4 ☐   d.   2 ☐

(i)   (ii)

2. The number opposite to the side having number 5 will be

    a.   1 ☐   b.   2 ☐

    c.   3 ☐   d.   4 ☐

3. The number opposite to the side having the number 2 will be

    a.   3 ☐   b.   1 ☐

    c.   2 ☐   d.   4 ☐
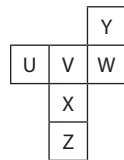

4. The number opposite to the side having the number 3 will be

    a.   2 ☐   b.   6 ☐

    c.   1 ☐   d.   4 ☐

5. A piece of paper containing six joined squares labelled as shown in the diagram is folded along the edges of the squares to form a cube. The label of the face opposite the face labelled X is

    a.   Y ☐   b.   W ☐

    c.   U ☐   d.   Z ☐

Answers

Mathematics/Logical Reasoning

Part 1

1. c 2. a 3. d 4. b 5. d 6. c 7. a 8. b

General awareness

Part 1

1. d 2. b 3. a 4. c 5. d 6. b 7. d 8. c

Part 2

9. a 10. d 11. b 12. c 13. a 14. c 15. d 16. b

Language

Part 1

1. a 2. d 3. b 4. c 5. a 6. d 7. b 8. a

Mental ability

Part 1

1. c 2. d 3. b 4. d 5. c 6. b 7. d 8. b

Computing skills

Part 1

1. a 2. b 3. b 4. d 5. b 6. c 7. b 8. d

Part 2

9. a 10. c 11. b 12. d 13. b 14. c 15. b 16. a

Coding-Decoding

Part 1

1. c 2. b 3. d 4. c 5. a 6. c 7. b 8. d

Science

Part 1

1. c 2. b 3. b 4. d 5. a 6. b 7. d 8. b

Part 2

9. a 10. c 11. b 12. d 13. c 14. b 15. a 16. c

Direction sense

Part 1

1. c 2. a 3. d 4. c 5. b 6. d 7. b 8. c

Blood relations

Part 1

1. c 2. b 3. d 4. c 5. a 6. c 7. b 8. d

Sequencing and series

Part 1

1. c 2. b 3. d 4. b 5. a 6. c 7. b

Cube and dice

Part 1

1. b 2. b 3. d 4. c 5. a