

SNAP 2022 Question Paper

Time Allowed :2 Hours	Maximum Marks :	Total questions :60
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General Instructions

SNAP 2022: General Instructions

1. SNAP 2022 is a **Computer-Based Test (CBT)** of **60 minutes**.
2. The test comprises **60 multiple-choice questions** across three sections: General English (15), Analytical & Logical Reasoning (25), and Quantitative, Data Interpretation & Data Sufficiency (20).
3. **Marking Scheme:** +1 mark for each correct answer; **-0.25 mark** for each incorrect answer.
4. There is **no sectional time limit**. Manage your time wisely.
5. Carry a **colour printout** of your **SNAP 2022 Admit Card** with a recent passport-size colour photo pasted in the space provided.
6. Bring a valid, **original government photo ID** (e.g., Aadhaar, Passport, PAN, Driving Licence).
7. You may carry a **simple black/blue ball point pen** (for attendance/rough work as instructed).
8. **Reporting time** and test session are as mentioned on your admit card; late entry may not be permitted.
9. Only the Admit Card, valid Photo ID and a simple ball pen are allowed at your workstation. **Electronic gadgets** (mobile phones, smart watches, calculators, digital devices, etc.) are **strictly prohibited**.

General English

Q1. Directions: In the question below, each passage consists of six sentences. The first and sixth sentences are given in the beginning. The middle four sentences in each have been removed and jumbled up. These are labeled as P, Q, R, and S. Find out the proper order for the four sentences.

S1: In the middle of one side of the square sits the Chairman of the committee, the most important person in the room.

P: For a committee is not just a mere collection of individuals.

Q: On him rests much of the responsibility for the success or failure of the committee.

R: While this is happening we have an opportunity to get the 'feel' of this committee.

S: As the meeting opens, he runs briskly through a number of formalities.

S6: From the moment its members meet, it begins to have a sort of nebulous life of its own.

(A) RSQP

(B) PQRS

(C) SQPR

(D) QSRP

Q2-Q3. Directions to solve: Some proverbs/idioms are given below together with their meanings. Choose the correct meaning of proverb/idiom

Q2. Idiom: To make clean breast of

(A) To gain prominence

(B) To praise oneself

(C) To confess without reserve

(D) To destroy before it blooms

Q3. Idiom: To keep one's temper

(A) To become hungry

(B) To be in a good mood

- (C) To preserve one's energy
 - (D) To be aloof from
-

Q4. In the following question, choose the word which is the exact OPPOSITE of the given word:

ENORMOUS

- (A) Soft
 - (B) Average
 - (C) Tiny
 - (D) Weak
-

Q5-Q6. Directions to Solve: In the questions below the sentences have been given in Direct/Indirect speech. From the given alternatives, choose the one that best expresses the given sentence in Indirect/Direct speech.

Q5. Direct speech: "If you don't keep quiet I shall shoot you", he said to her in a calm voice. Convert to Indirect speech.

- (A) He warned her to shoot if she didn't keep quiet calmly.
 - (B) He said calmly that I shall shoot you if you don't be quiet.
 - (C) He warned her calmly that he would shoot her if she didn't keep quiet.
 - (D) None of these
-

Q6. Indirect speech: I told him that he was not working hard. Identify the correct direct speech form.

- (A) I said to him, "You are not working hard."
- (B) I told to him, "You are not working hard."
- (C) I said, "You are not working hard."
- (D) None of these

Q7-Q9. Directions to Solve: In each question, an incomplete statement (Stem) followed by fillers is given. Pick out the best one which can complete incomplete stem correctly and meaningfully.

Q7. Despite his best efforts to conceal his anger ----

- (A) we could detect that he was very happy
- (B) he failed to give us an impression of his agony
- (C) he succeeded in camouflaging his emotions
- (D) people came to know that he was annoyed

Q8. Even if it rains I shall come means ----

- (A) If I come it will not rain
- (B) If it rains I shall not come
- (C) I will certainly come whether it rains or not
- (D) Whenever there is rain I shall come

Q9. His appearance is unsmiling but ----

- (A) his heart is full of compassion for others
- (B) he looks very serious on most occasions
- (C) people are afraid of him
- (D) he is uncompromising on matters of task performance

Q10. Choose the word which best expresses the meaning of the given word: **CORPULENT**

- (A) Lean
- (B) Gaunt
- (C) Emaciated

(D) Obese

Q11. Find the correctly spelt word.

- (A) Foreign
 - (B) Foreine
 - (C) Fariegn
 - (D) Forein
-

Q12-Q13. Directions to Solve: Pick out the most effective word(s) from the given words to fill in the blank to make the sentence meaningfully complete.

Q12. Fate smiles ____ those who untiringly grapple with the stark realities of life.

- (A) with
 - (B) over
 - (C) on
 - (D) round
-

Q13. The miser gazed ____ at the pile of gold coins in front of him.

- (A) avidly
 - (B) admiringly
 - (C) thoughtfully
 - (D) earnestly
-

Q14-Q15. Directions to Solve: Each question consists of two words that have a certain relationship to each other followed by four pairs of related words, Select the pair that has the same relationship.

Q14. DIVA : OPERA

- (A) producer : theatre
 - (B) director : drama
 - (C) thespian : play
 - (D) None of these
-

Q15. GRAIN : SALT

- (A) shard : pottery
 - (B) shred : wood
 - (C) blades : grass
 - (D) chip : glass
-

Analytical Logical Reasoning

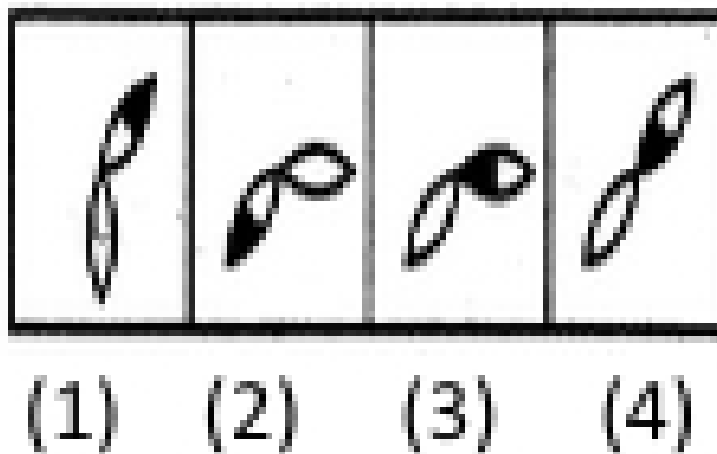
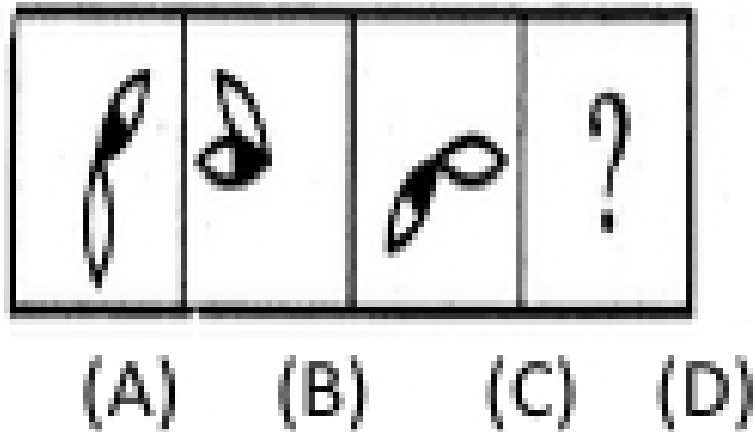
Q16. A, B, C, D, E, F, and G are members of a sports club who enjoy a variety of activities, including Carrom, Table Tennis, Badminton, Bridge, Hockey, Football, and Lawn Tennis, albeit not necessary in that order. They all have distinct musical preferences, such as Sitar, Guitar, Harmonium, Flute, Tabla, Banjo, and Santoor, though not necessarily in that order. B enjoys playing Carrom and Banjo. E enjoys playing bridge but not the harmonium or the tabla. Sitar is played by the person who plays hockey. F does not play table tennis or lawn tennis. A is a badminton and flute player. Tabla is not played by those who play lawn tennis. G plays hockey and C plays the Harmonium.

Which of the following game–person–instrument pairings is absolutely correct?

- (A) Badminton–B–Flute
 - (B) Table Tennis–E–Santoor
 - (C) Lawn Tennis–D–Tabla
 - (D) None of these
-

Q17. Directions to Solve: Each of the following questions consists of two sets of figures. Figures A, B, C and D constitute the Problem Set while figures 1, 2, 3, 4 and 5 constitute the

Answer Set. There is a definite relationship between figures A and B. Establish a similar relationship between figures C and D by selecting a suitable figure from the Answer Set that would replace the question mark (?) in fig. (D).



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- Q18. Directions to Solve:** In each question below is given a statement followed by two assumptions numbered I and II. You have to consider the statement and the following assumptions and decide which of the assumptions is implicit in the statement. Give answer
- (A) If only assumption I is implicit
 (B) If only assumption II is implicit
 (C) If either I or II is implicit
 (D) If both I and II are implicit.

Q18. Statement: "You are hereby appointed as a programmer with a probation period of one year and your performance will be reviewed at the end of the period for confirmation." — A line in an appointment letter.

Assumptions: I. The performance of an individual generally is not known at the time of appointment offer.

II. Generally, an individual tries to prove his worth in the probation period.

- A) Only assumption I is implicit
 - B) Only assumption II is implicit
 - C) Either I or II is implicit
 - D) Both I and II are implicit
-

Q19. Directions to Solve: In each question below is given a statement followed by two conclusions numbered I and II. You have to assume everything in the statement to be true, then consider the two conclusions together and decide which of them logically follows beyond a reasonable doubt from the information given in the statement. Give answer:

- (A) If only conclusion I follows
- (B) If only conclusion II follows
- (C) If either I or II follows
- (D) If neither I nor II follows and

Q19. Statement: In a one-day cricket match, the total runs made by a team were 200. Out of these, 160 runs were made by spinners.

Conclusions: I. 80% of the team consists of spinners.

II. The opening batsmen were spinners.

- A) Only conclusion I follows
 - B) Only conclusion II follows
 - C) Either I or II follows
 - D) Neither I nor II follows
-

Q20. Directions to Solve: Each question given below consists of a statement, followed by two arguments numbered I and II. You have to decide which of the arguments is a 'strong' argument and which is a 'weak' argument. Give answer:

- (A) If only argument I is strong
- (B) If only argument II is strong
- (C) If either I or II is strong
- (D) If neither I nor II is strong and

Q20. Statement: Should India encourage exports, when most things are insufficient for internal use itself?

Arguments:

- I. Yes. We have to earn foreign exchange to pay for our imports.
- II. No. Even selective encouragement would lead to shortages.

- A) Only argument I is strong
- B) Only argument II is strong
- C) Either I or II is strong
- D) Neither I nor II is strong

Q21. Look at this series: 2, 1, $\frac{1}{2}$, $\frac{1}{4}$, ... What number should come next?

- (A) $\frac{1}{3}$
- (B) $\frac{1}{8}$
- (C) $\frac{2}{8}$
- (D) $\frac{1}{16}$

Q22. Look at this series: 7, 10, 8, 11, 9, 12, ... What number should come next?

- (A) 7
- (B) 10
- (C) 12
- (D) 13

Q23-Q24. Directions to Solve: In each of the following questions, two statements numbered I and II are given. There may be cause and effect relationship between the two statements. These two statements may be the effect of the same cause or independent causes. These statements may be independent causes without having any relationship. Read both the statements in each question and mark your answer as

- (A) If statement I is the cause and statement II is its effect;
- (B) If statement II is the cause and statement I is its effect;
- (C) If both the statements I and II are independent causes;
- (D) If both the statements I and II are effects of independent causes; and

Q23. Two statements are given. Identify the cause–effect relationship, if any. I. The prices of petrol and diesel in the domestic market have remained unchanged for the past few months. II. The crude oil prices in the international market have gone up substantially in the last few months.

- A) Statement I is the cause and statement II is its effect
- B) Statement II is the cause and statement I is its effect
- C) Both the statements I and II are independent causes
- D) Both the statements I and II are effects of independent causes

Q24. Two statements are given. Identify the cause–effect relationship, if any.

I. The government has recently fixed the fees for professional courses offered by the unaided institutions which are much lower than the fees charged last year.
II. The parents of the aspiring students launched a severe agitation last year protesting against the high fees charged by the unaided institutions.

- A) Statement I is the cause and statement II is its effect
 - B) Statement II is the cause and statement I is its effect
 - C) Both the statements I and II are independent causes
 - D) Both the statements I and II are effects of independent causes
-

Q25. Pointing to a photograph of a boy Mr. Ram said, “He is the son of the only son of my mother.” How is Mr. Ram related to that boy?

- (A) Brother
 - (B) Uncle
 - (C) Cousin
 - (D) Father
-

Q26. Ravi is the son of Aman’s father’s sister. Sahil is the son of Divya who is the mother of Gaurav and grandmother of Aman. Ashok is the father of Tanya and grandfather of Ravi. Divya is the wife of Ashok. How is Ravi related to Divya?

- (A) Nephew
 - (B) Son
 - (C) Grandson
 - (D) Father-in-law
-

Q27. The angle between the minute hand and the hour hand of a clock when the time is 4:20 is:

- (A) 0°
 - (B) 10°
 - (C) 5°
 - (D) 20°
-

Q28. At 3:40, the hour hand and the minute hand of a clock form an angle of:

- (A) 120°
- (B) 125°
- (C) 130°

(D) 135°

Q29-Q30. Directions to Solve: In each of the following questions two statements are given and these statements are followed by two conclusions numbered (A) and (B). You have to take the given two statements to be true even if they seem to be at variance from commonly known facts. Read the conclusions and then decide which of the given conclusions logically follows from the two given statements, disregarding commonly known facts.

Give answer:

- (A) If only (A) conclusion follows
- (B) If only (B) conclusion follows
- (C) If either (A) or (B) follows
- (D) If neither (A) nor (B) follows and

Q29. Statements: 1. Some actors are singers.

2. All the singers are dancers.

- A) Only (A) conclusion follows
- B) Only (B) conclusion follows
- C) Either (A) or (B) follows
- D) Neither (A) nor (B) follows

Q30. Statements: I. All Actors are Musicians.

II. No Musician is a Singer.

III. Some Singers are Dancers.

IV. Some Dancers are Musicians.

- A) Only (A) conclusion follows
- B) Only (B) conclusion follows
- C) Either (A) or (B) follows
- D) Neither (A) nor (B) follows

Q31. In this series, you will be looking at both the letter pattern and the number pattern. Fill the blank in the middle of the series or the end of the series.

Series: SCD, TEF, UGH, ----, WKL

- (A) CMN
- (B) UJI
- (C) VIJ
- (D) IJT

Q32-Q33. Directions to Solve: In each question below is given a statement followed by two courses of action numbered I and II. You have to assume everything in the statement to be true and on the basis of the information given in the statement, decide which of the suggested courses of action logically follow(s) for pursuing. Give answer

- (A) If only I follows
- (B) If only II follows
- (C) If either I or II follows
- (D) If both I and II follow.

Q32. Statement: A large number of people in ward X of the city are diagnosed to be suffering from a fatal malaria type.

Courses of Action: I. The city municipal authority should take immediate steps to carry out extensive fumigation in ward X.

II. The people in the area should be advised to take steps to avoid mosquito bites.

- A) Only I follows
- B) Only II follows
- C) Either I or II follows
- D) Both I and II follow

Q33. Statement: Severe drought is reported to have set in several parts of the country.

Courses of Action: I. Government should immediately make arrangement for providing financial assistance to those affected.

II. Food, water, and fodder should immediately be sent to all these areas to save the people and cattle.

- A) Only I follows
- B) Only II follows
- C) Either I or II follows
- D) Both I and II follow

Q34. It was Sunday on Jan 1, 2006. What was the day of the week on Jan 1, 2010?

- (A) Sunday
- (B) Saturday
- (C) Friday
- (D) Wednesday

Q35. What was the day of the week on 28th May 2006?

- (A) Thursday
- (B) Friday
- (C) Saturday
- (D) Sunday

Q36. There are 8 houses in a line and in each house, only one boy lives with the conditions as given below:

Jack is not the neighbour of Siman.

Harry is just next to the left of Larry.

There is at least one to the left of Larry.

Paul lives in one of the two houses in the middle.

Mike lives in between Paul and Larry.

If at least one lives to the right of Robert and Harry is not between Taud and Larry, then which one of the following statements is **not correct**?

1. Robert is not at the left end.
2. Robert is in between Simon and Taud.
3. Taud is in between Paul and Jack.
4. There are three persons to the right of Paul.

Q37. Direction: Study the following information carefully to answer these questions. A, B, C, D, E, F and G are members of a sports club and have a liking for different games, viz Carrom, Table Tennis, Badminton, Bridge, Hockey, Football and Lawn Tennis but not necessarily in the same order. Each one of them has a liking for different musical instruments, viz Sitar, Guitar, Harmonium, Flute, Tabla, Banjo, and Santoor, not necessarily in the same order. B likes Carrom and Banjo. E likes to play Bridge but not Harmonium or Tabla. The one who plays Hockey plays Sitar. F plays Guitar but not Table Tennis or Lawn Tennis. A plays badminton and Flute. The one who plays Lawn Tennis does not play Tabla. C plays Harmonium and G plays Hockey.

Question: D plays which game?

1. Table Tennis
2. Lawn Tennis
3. Football
4. None of these

Q38. Arrange the given words in the sequence in which they occur in the dictionary and choose the correct sequence:

1. Preach
2. Praise
3. Precinct
4. Precept

1. 2, 1, 3, 4
2. 2, 1, 4, 3
3. 2, 1, 3, 4
4. 2, 1, 4, 3

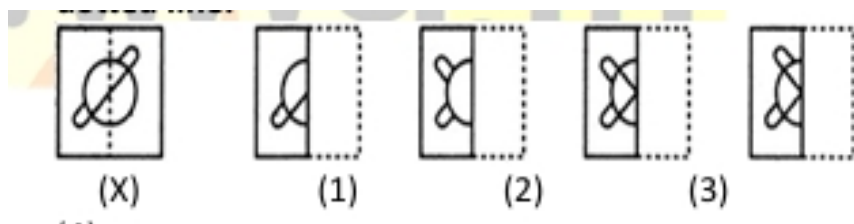
Q39. Choose the alternative that closely resembles the mirror image of the given combination:

ANS43Q12

- | | |
|---------------|----------------|
| (1) AN24EQ1 S | (2) S 1QEQ42NA |
| (3) 2NAEQ4S1 | (4) 1 SQ4EQAN2 |

1. Option (A)
2. Option (B)
3. Option (C)
4. Option (D)

Q40. Find out from amongst the four alternatives how the pattern would appear when the **transparent** sheet is folded at the dotted vertical line (right-edge axis). The figure (X) shows the pattern before folding; choose the correct folded appearance from (A)–(D).



- (A) (A)
- (B) (B)
- (C) (C)
- (D) (D)

Quantitative, DI and Data Sufficiency

Q41. Which one of the following is **not** a prime number?

- (A) 31
- (B) 61
- (C) 71
- (D) 91

Q42. Evaluate: $(112 \times 5^D) = ?$

- (A) 67000
- (B) 70000
- (C) 76500
- (D) 77200

Q43. A, B and C can do a piece of work in 20, 30 and 60 days respectively. In how many days can A do the work if he is assisted by B and C on every third day?

- (A) 12 days
- (B) 15 days
- (C) 16 days
- (D) 18 days

Q44. Two students appeared at an examination. One of them secured 9 marks more than the other and his marks was 56% of the sum of their marks. The marks obtained by them are:

- (A) 39, 30
- (B) 41, 32
- (C) 42, 33

(D) 43, 34

Q45. A fruit seller had some apples. He sells 40% apples and still has 420 apples. Originally, he had:

- (A) 588 apples
 - (B) 600 apples
 - (C) 672 apples
 - (D) 700 apples
-

Q46. A sum of money at simple interest amounts to Rs. 815 in 3 years and to Rs. 854 in 4 years. The sum is:

- (A) Rs. 650
 - (B) Rs. 690
 - (C) Rs. 698
 - (D) Rs. 700
-

Q47. Mr. Thomas invested an amount of Rs. 13,900 divided in two different schemes A and B at the simple interest rate of 14% p.a. and 11% p.a. respectively. If the total amount of simple interest earned in 2 years is Rs. 3,508, what was the amount invested in Scheme B?

- (A) Rs. 6400
 - (B) Rs. 6500
 - (C) Rs. 7200
 - (D) Rs. 7500
-

Q48. Two numbers are respectively 20% and 50% more than a third number. The ratio of the two numbers is:

- (A) 2 : 5
 - (B) 3 : 5
 - (C) 4 : 5
 - (D) 6 : 7
-

Q49. In the first 10 overs of a cricket game, the run rate was only 3.2. What should be the run rate in the remaining 40 overs to reach the target of 282 runs?

- (A) 6.25
 - (B) 6.5
 - (C) 6.75
 - (D) 7
-

Q50. A person crosses a 600 m long street in 5 minutes. What is his speed in km per hour?

- (A) 3.6
 - (B) 7.2
 - (C) 8.4
 - (D) 10
-

Q51. The cost price of 20 articles is the same as the selling price of x articles. If the profit is 25%, then the value of x is:

- (A) 15
 - (B) 16
 - (C) 18
 - (D) None of these
-

Q52-Q53. Directions to Solve: Study the following table and answer the questions based on it. Expenditures of a Company (in Lakh Rupees) per Annum Over the given Years.

Table 1: Expenditures of a Company (in Lakh Rupees) per Annum Over the given Years

Year	Salary	Fuel and Transport	Bonus	Interest on Loans	Taxes
1998	288	98	3.00	23.4	83
1999	342	112	2.52	32.5	108
2000	324	101	3.84	41.6	74
2001	336	133	3.68	36.4	88
2002	420	142	3.96	49.4	98

Q52. What is the average amount of interest per year which the company had to pay during this period?

- (A) Rs. 32.43 lakhs
- (B) Rs. 33.72 lakhs
- (C) Rs. 34.18 lakhs
- (D) Rs. 36.66 lakhs

Q53. The total amount of bonus paid by the company during the given period is approximately what percent of the total amount of salary paid during this period?

- (A) 0.1%
- (B) 0.5%
- (C) 1%
- (D) 1.25%

Q54. From a group of 7 men and 6 women, five persons are to be selected to form a committee so that at least 3 men are there on the committee. In how many ways can it be done?

- (A) 564
- (B) 645
- (C) 735

(D) 756

Q55. Tickets numbered 1 to 20 are mixed up and one ticket is drawn at random. What is the probability that the ticket drawn has a number which is a multiple of 3 or 5?

(A) $\frac{1}{2}$

(B) $\frac{2}{5}$

(C) $\frac{8}{15}$

(D) $\frac{3}{5}$

Q56. Two ships are sailing in the sea on the two sides of a lighthouse. The angle of elevation of the top of the lighthouse is observed from the ships as 30° and 45° respectively. If the lighthouse is 100 m high, the distance between the two ships is:

(A) 173 m

(B) 200 m

(C) 273 m

(D) 300 m

Q57. A train running at the speed of 60 km/hr crosses a pole in 9 seconds. What is the length of the train?

(A) 120 m

(B) 180 m

(C) 324 m

(D) 150 m

Q58. A right triangle with sides 3 cm, 4 cm and 5 cm is rotated about the side of 3 cm to form a cone. The volume of the cone so formed is:

- (A) $12\pi \text{ cm}^3$
 - (B) $15\pi \text{ cm}^3$
 - (C) $16\pi \text{ cm}^3$
 - (D) $20\pi \text{ cm}^3$
-

Q59. A hall is 15 m long and 12 m broad. If the sum of the areas of the floor and the ceiling is equal to the sum of the areas of four walls, the volume of the hall is:

- (A) 720
 - (B) 900
 - (C) 1200
 - (D) 2000
-

Q60. Find the greatest number that will divide 43, 91, 183 so as to leave the same remainder in each case.

- (A) 4
 - (B) 7
 - (C) 9
 - (D) 14
-