

## IBPS RRB Mock Test 1

**Directions Q. (1-2):** Study the following table carefully to answer the questions that follow.

The table represents the total number of students playing different sports i.e., Football, Cricket, Badminton, Tennis and Volleyball across eight institutes, i.e., P, Q, R, S, T, U, V and W.

Sports	Institutes							
	P	Q	R	S	T	U	V	W
Football	500	410	280	340	610	510	440	650
Cricket	480	460	340	440	640	550	260	420
Badminton	420	360	480	560	540	450	350	340
Tennis	520	320	520	480	510	310	680	640
Volleyball	360	260	410	380	420	660	480	620

**Q. (1)** The number of students playing Cricket in Institute Q forms what percentage of the total number of students in Institute R?

- A. 20%
- B. 18%
- C. 22.6%
- D. 24%
- E. 28%

**Answer:** C

**Solution 1:** Number of students playing Cricket in institute Q = 460

Total number of students in institute R =  $280 + 340 + 480 + 520 + 410 = 2030$

Therefore, the number of students playing cricket in institute Q as a percentage of the total number of students in the institute R is calculated as:

$$(460 / 2030) \times 100 = 22.6\%$$

**Q. (2)** The number of students playing football in Institute P forms what percentage of the total number of students in Institute P?

- A. 21.9%
- B. 20%
- C. 32%
- D. 36%
- E. 28%

**Answer:** A

**Solution 2:**

Number of students playing Football in institute P = 500

Total number of students in institute P =  $500 + 480 + 420 + 520 + 360 = 2280$

Therefore, the number of students playing Football in institute P as a percentage of the total number of students in the institute P is calculated as:

$$(500 / 2280) \times 100 = 21.9\%$$

**Directions Q. (3-5):** What will come in place of the question mark (?) in the given series?

**Q. (3) 125, 128, 119, 146, 65, (?)**

- A. 300
- B. 308
- C. 280
- D. 310
- E. 250

**Answer: B**

**Solution 3:** The pattern of the series is

- $128 - 125 = 3^1$
- $119 - 128 = -9 = 3^2$  (ignore the negative sign)
- $146 - 119 = 27 = 3^3$
- $65 - 146 = -81 = 3^4$  (ignore the negative sign)

Now,  $3^5 = 243$

Therefore,  $243 + 65 = 308$

Hence, the required number = 308

**Q. (4) 24, 12, 12, 18, (?), 90**

- A. 36
- B. 38
- C. 40
- D. 26
- E. 32

**Answer: A**

**Solution 4:** The pattern of the series is

- $24 \times \frac{1}{2} = 12$
- $12 \times (\frac{1}{2} + \frac{1}{2}) = 12$
- $12 \times (1 + \frac{1}{2}) = 12 \times 3 = 18$
- $18 \times (3 + \frac{1}{2}) = 18 \times 2 = 36$
- $36 \times (2 + \frac{1}{2}) = 36 \times 5 = 90$

**Q. (5) 33, 39, 57, 87, 129, (?)**

- A. 180
- B. 183
- C. 176
- D. 150

E. 154

**Answer:** B

**Solution 5:** The pattern of the number series is

- $33 + 6 = 39$
- $39 + 18 (= 6 + 12) = 57$
- $57 + 30 (= 18 + 12) = 87$
- $87 + 42 (= 20 + 12) = 129$
- $129 + 54 (= 42 + 12) = 183$

**Directions Q. (6-7):** In each of these questions, two equations I and II are given. You have to solve the equations to find the relation between P and Q.

Mark your answer as:

- A. If  $P > Q$
- B. If  $P \geq Q$
- C. If  $P < Q$
- D. If  $P \leq Q$
- E. If  $P = Q$

**Q. (6)** I.  $P^2 - 12P + 32 = 0$   
II.  $Q^2 - 13Q + 36 = 0$

**Answer:** D( $P \leq Q$ )

**Solution 6:** Statement I  $\Rightarrow P^2 - 4P - 8P + 32 = 0$   
 $\Leftrightarrow P(P - 4) - 8(P - 4) = 0$   
 $\Leftrightarrow (P - 4)(P - 8) = 0$   
Therefore,  $P = 4$  or  $P = 8$

Statement II  $\Rightarrow Q^2 - 4Q - 9Q + 36 = 0$   
 $\Leftrightarrow Q(Q - 4) - 9(Q - 4) = 0$   
 $\Leftrightarrow (Q - 4)(Q - 9) = 0$   
Therefore,  $Q = 4$  or  $Q = 9$   
Hence,  $P \leq Q$

**Q. (7)** I.  $P^2 - 10P + 24 = 0$   
II.  $3Q^2 - 19Q + 28 = 0$

**Answer:** B

**Solution 7:** Statement I  $\Rightarrow P^2 - 4P - 6P + 24 = 0$   
 $\Leftrightarrow P(P - 4) - 6(P - 4) = 0$   
 $\Leftrightarrow (P - 4)(P - 6) = 0$   
Therefore,  $P = 4$  or  $P = 6$

Statement II  $\Rightarrow 3Q^2 - 12Q - 7Q + 28 = 0$   
 $\Leftrightarrow 3Q(Q - 4) - 7(Q - 4) = 0$   
 $\Leftrightarrow (3Q - 7)(Q - 4) = 0$

Therefore,  $Q = 7/3$  or  $Q = 4$   
Hence,  $P \geq Q$

**Q. (8)** A invests 10% i.e., 2500 of her monthly salary in mutual funds. Later A deposited 16% of her monthly salary in fixed deposit also. 8% of A's monthly salary is invested on SIP. What is the total annual amount invested by A?

- A. 12,000
- B. 10,000
- C. 10,200
- D. 15,000
- E. 12,500

**Answer: C**

**Solution 8:**

Monthly salary of A = Rs.  $(2500 \times 100) / 10 = 25000$   
Monthly investment of A in percent =  $10\% + 16\% + 8\% = 34\%$   
Therefore, annual investment of A = Rs.  $[12 \times (34\% \text{ of } 25000)]$   
= Rs.  $(12 \times 34 \times 250)$   
= Rs. 10,200

**Q. (9)** The present ages of Sunny and Raunaq are in the ratio 8:15 respectively. After 9 years, the ratio of their ages will be 11:18. What is the difference in their present ages ?

- a. 18 years
- b. 21 years
- c. 15 years
- d. 12 years
- e. 8 years

**Answer: B**

**Solution 9:**

Let the present age of Sunny and Raunaq be  $8x$  and  $15x$  respectively.  
According to the question,

$$8x + 915x + 9 = 1118$$
$$\Leftrightarrow 144x + 162 = 165x + 99$$
$$\Leftrightarrow 21x = 63$$
$$\Leftrightarrow x = 3$$

Therefore, the present age of Sunny =  $8 \times 3 = 24$  years

The present age of Raunaq =  $15 \times 3 = 45$  years

Therefore, the difference in their present ages =  $(45 - 24)$  years = 21 years

**Directions (10-12):** Study the data given below and answer the following questions:

Seven friends, namely Lalit, Manav, Nitin, Ojaswi, Zaheer, Vijay and Rishab, have a different car, namely Audi, Toyota, Renault, Ford, Maruti, Honda and Skoda, but not necessarily in the same order. Each car is of a different colour, namely Red, Blue, White, Brown, Black, Grey and Yellow but not necessarily in the same order.

The colour of Vijay's car is Red and he has neither Renault nor Ford car. The Audi car is of Blue colour. Lalit has Toyota car and the colour of his car is neither Brown nor Black. The Skoda car is of Yellow

colour. The colour of Manav's car is Grey. Manav does not have a Ford car. Ford car is not of black in colour. Ojaswi has Maruti car. The colour of Rishab's car is not Blue. Rishab does not have a Ford car. Zaheer does not have a Ford car.

**Q 10.** Which car does Lalit own?

- A. Ford
- B. Maruti
- C. Toyota
- D. Skoda
- E. Honda

**Answer:** C

**Q 11.** Which among the given combinations are correct?

- A. Manav - grey - Toyota
- B. Ojaswi - brown - Toyota
- C. Rishab - Red - Honda
- D. Vijay - Red - Honda
- E. Nitin - grey - Ford

**Answer:** D

**Q 12.** What is the colour of the car that Zaheer owns?

- A. Blue
- B. Grey
- C. White
- D. Black
- E. Brown

**Answer:** A

**Solution (10-12):**

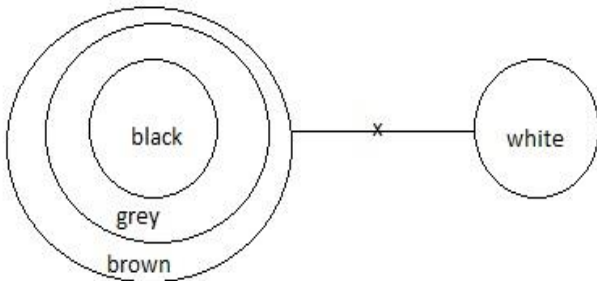
Lalit	White	Toyota
Manav	Grey	Renault
Nitin	Brown	Ford
Ojaswi	Black	Maruti
Zaheer	Blue	Audi
Vijay	Red	Honda
Rishab	Yellow	Skoda

**Directions (13-14):** In the questions given below, three statements are given followed by two conclusions. Study the statements carefully and mark the correct answer

- Q 13.** Statements: All black is grey  
All grey are brown  
No brown is white  
Conclusion I: Some black is definitely not brown  
Conclusion II: No white is grey
- Only conclusion I follows
  - Only conclusion II follows
  - Both conclusion I and II follow
  - Neither conclusion I nor II follow
  - Either conclusion I or II follows

**Answer:** D

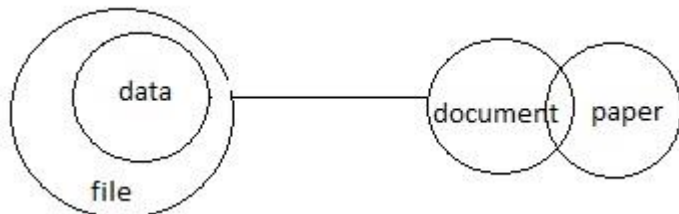
**Solution 13:**



- Q 14: Statement:** No file is a document  
Some documents are papers  
All data are files  
**Conclusion I:** No document is data  
**Conclusion II:** All data being paper is a possibility
- Only conclusion I follows
  - Only conclusion II follows
  - Both conclusion I and II follow
  - Neither conclusion I nor II follow
  - Either conclusion I or II follows

**Answer:**

**Solution 14:**

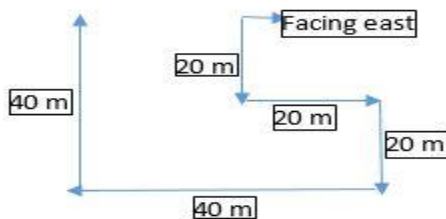


**Q 15.** Shikha is facing East. She then turns to her right and moves 20 m, then turning to the left she moves 20 m and then turning to the right, she further goes 20 m. Then again turning to her right, Shikha goes 40 m and then again moves 40 m to the right. In which direction is Shikha now from her original position?

- A. North-east
- B. South-west
- C. North
- D. East
- E. South

Answer: E

**Solution 15:**



**Directions (16-17):** There are six people Akshay, Aradhana, Sunil, Shikha, Tanya, and Babita in a family. They are a psychologist, Manager, Lawyer, Jeweler, Doctor, and Engineer. The doctor is the grandfather of Babita who is a psychologist. The manager Shikha is married to Akshay. Sunil, the jeweller is married to the Lawyer. Aradhana is the mother of Tanya and Babita. The number of married couples in the family is two.

**Q 16.** How is Shikha related to Tanya?

- A. Sister
- B. Sister-in-law
- C. Mother
- D. Aunt
- E. Mother-in-law

Answer: E

**Q 17.** What is the profession of Akshay's son?

- A. Jeweller
- B. Psychologist
- C. Manager
- D. Doctor
- E. Engineer

Answer: A

**Solution (16-17):**

Akshay (Doctor) is husband of Shikha (Manager)

Sunil (Jeweller) is son of Akshay and Shikha

Aradhana (Lawyer) is wife of Sunil

Tanya (Engineer) and Babita (Psychologist) are children of Aradhana and Sunil.

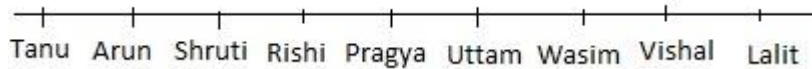
**Q 18.** Nine friends, namely Pragya, Lalit, Rishi, Shruti, Tanu, Uttam, Vishal, Wasim and Arun are sitting in a row facing north are sitting in a row facing north. Rishi sits to the immediate right of Shruti and at

third place to the right of Tanu. Lalit is at one end of the row. Wasim is seated adjacent to both Uttam and Vishal. Uttam is at third place at the left of Lalit. Pragma is just left of Uttam. What is the position of Rishi with respect to Vishal?

- A. Fourth to right
- B. Fourth to left
- C. Immediate left
- D. Immediate right
- E. Second to right

**Answer:** B

**Solution 18:**



**Q.19** There are two gaps in the sentence/paragraph given below. Choose from the pair of words given below that will fill the gaps most aptly.

In the child \_\_\_\_\_ about her day at school in her melodious voice, Madame saw the \_\_\_\_\_ of a renowned opera singer.

- A. humming, microcosm
- B. chirping, makings
- C. prancing, makings
- D. telling, seed

**Answer:** B chirpings, makings

**Solution 19:** 'Chirping' would mean talking excitedly and cheerfully and is thus relevant in the first blank. 'Makings' is the right word as the remaining options are irrelevant in this context.

**Q.20** There are two gaps in the sentence/paragraph given below. Choose from the pair of words given below that will fill the gaps most aptly.

Indian politicians claim that the number of people living below the poverty line has fallen dramatically due to the policies implemented by them, but economists and social scientists \_\_\_\_\_ the claim as statistical \_\_\_\_\_.

- A. disparage, paralogy
- B. degrade, paralogism
- C. question, anomaly
- D. dismiss, sophistry

**Answer:** D dismiss, sophistry

**Solution 20:** The 1st blank is filled by 'dismiss' meaning, 'reject' and the second blank is filled by 'sophistry' meaning 'a superficially plausible but inherently fallacious method of reasoning'.

**Q.21** In the following question, the word given in capital letters is used in four different ways numbered 1 to 4. Choose the option where the usage of the word is incorrect.



FELL

- A. In the past , many mentally disabled children fell through the cracks
- B. When the king ordered the execution of the rebels, they fell down to their knees in supplication for mercy.
- C. As siblings, Ram and Shyam were very close friends but they fell out due to a dispute over their inheritance after their mother's death.
- D. Our team fell over backwards to complete the task at hand.

**Answer: B**

When the king ordered the execution of the rebels, they fell down to their knees in supplication for mercy.

**Solution 21:** Choice B is wrong since 'down' is not part of the idiomatic phase 'fell to their knees', (asking for mercy). So the correction required is 'when the king directed that the rebels be executed, they fell to their knees in supplication of mercy'.

**Q. 22** The sentences given below, when properly sequenced, form a coherent paragraph. Each sentence is labelled with a letter. From among the four choices given below the question, choose the most logical order of sentences that constructs a coherent paragraph.

- a. This requires an integrated character, a oneness primarily with self but also with life
  - b. Integrity, which is confirming reality to our words, includes and goes beyond honesty, which is conforming our words to reality.
  - c. Personal integrity generates trust and is the basis of different kinds of deposits
  - d. People can seek to understand, remember the little things, keep their promises, clarify and fulfill expectations, and still fail to build reserves of trust if they are inwardly duplicitous.
  - e. Lack of integrity can undermine almost any effort to create high trust accounts
- 
- A. Cedba
  - B. Bceda
  - C. Ebcad
  - D. edcab

**Answer: (A) cedba**

**Q.23** In the following question, the word given in capital letters is used in four different ways numbered 1 to 4. Choose the option where the usage of the word is incorrect.

BREAK

- A. It's nice to own a horse, but you wouldn't be able to ride him until you break him in.
- B. It was decided to break tradition this year this Diwali as we realised that it is much cheaper to decorate the house with electric lamps than with oil lamps.
- C. His astonishing run in the domestic tournaments this season, has enabled him to break into the big league.
- D. We could see, far off in the distance, a long line of low hills, broken up by a few valleys.

**Answer: D**

We could see, far off in the distance, a long line of low hills, broken up by a few valleys.

**Solution 23:** The correction is required in option D. One needs to use 'broken' and not 'broken up'. The sentence should read "We could see, far off in the distance, a long line of low hills, broken by a few valleys". This means that the valleys "varied or disputed the uniformity or continuity of the hills".

**Q. 24** In each question, there are five sentences or parts of sentences that form a paragraph. Identify the sentence(s) or part(s) of sentence(s) that is/are correct in terms of grammar and usage. Then choose the right option.

- A. When I returned to home, I began to play
- B. everything I could get my hand on about Israel
- C. That same year Israel's Jewish Agency sent
- D. I met a recruiter of sorts in Minneapolis
- E. I had become one of his most ardent devotees.

- A. C&E
- B. C only
- C. E only
- D. B, C&E
- E. C, D&E

**Answer: A**

**Q.25** There are two gaps in the sentence/paragraph given below. Choose from the pair of words given below that will fill the gaps most aptly.

Oliver Sacks has a talent for testing the impossible, for taking what seems to be \_\_\_\_\_ notions and using them to explore the slippery stuff of consciousness; Awakening reads like a series of fascinating \_\_\_\_\_ that offers plenty of cause for self-reflection.

- A. cathartic, provocation
- B. nefarious, chronicles
- C. aphoristic, factoids
- D. Sophomoric, vignettes

**Answer: D**