



Practice Test-10

Number of questions: 30

Time Allowed: 30 mins.

Directions for questions 1 and 2: In each of the following questions, find the term that can replace the questions mark.

1. AD, EI, JO, PV, ?

- (a) VD (b) WC
(c) WD (d) VE

2. XYQ, ZAR, BCS, DET, ?

- (a) GFU (b) FUG
(c) FZU (d) FGU

3. If 'P + Q' means 'P is the mother of Q',

'P ÷ Q' means 'P is the daughter of Q' and

'P - Q' means 'P is the sister of Q',

then which of the following represents 'A is the husband of B'?

- (a) $B + A - N$ (b) $B \div A + N$
(c) $B + N \div A$ (d) $B \div A \div R$

4. In the question 3, which of the following represents 'B is the son of F'?

- (a) $B + C \div F - D$ (b) $F - C + D \div B$
(c) $F + B \div C$ (d) None of these

5. In a certain code language 'rain' is coded as 'water' 'water', is coded as 'air', 'air' is coded as 'food' and 'food' is coded as 'computer', then what will be the code for the thing that satiates our hunger?

- (a) air (b) water
(c) food (d) computer

6. In a certain code language TRACTOR is coded as VTCEVQT, what will be the code for GENUINE in that code language?

- (a) IGPWKPH (b) IGPXKPG
(c) IGPWKPG (d) IGPWLPG

Directions for questions 7 to 11: Answer the questions on the basis of the following letter series:

| | | | | | | | | | | | | |
|---|---|----|---|---|---|----|---|---|----|---|---|---|
| A | B | C | D | 5 | F | G | H | 9 | J | K | L | M |
| | N | 15 | P | Q | R | 16 | T | U | 22 | W | X | Z |

7. If the above letters are written in the reverse order, which letter will be the 16th letter from the left?

- (a) K (b) L
(c) M (d) J

8. Which letter/number is 5th to the left of the 19th letter from the right of A?

- (a) N (b) P
(c) Q (d) 15

9. Which letter/number is 9th to the left of the 14th letter from your left?

- (a) 5 (b) C
(c) T (d) R

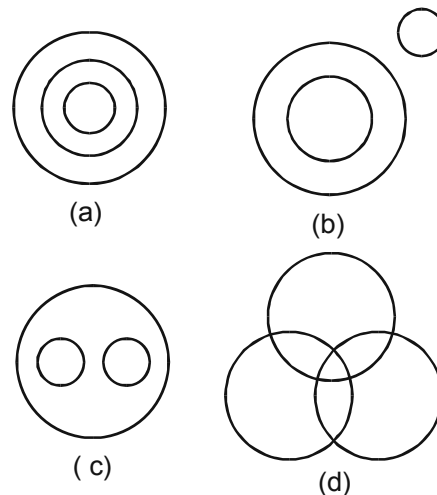
10. Which of the following would replace the ? mark?
AC5 G9K M15Q ?

- (a) Q16U (b) RT22
(c) 16UW (d) 16TU

11. Which letter is between the 7th letter from left and the 11th letter from right?

- (a) K (b) L
(c) M (d) J

Directions for question 12: Choose the Venn diagram which best illustrates the relationship between the three given classes.



12. Banana, Mango, Fruits

Directions for questions 13 to 16: In the following questions, there are two statements followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read the conclusions and then decide which of them logically follows.

Mark answer:

- (a) If only conclusion I follows
- (b) If only conclusion II follows
- (c) If both conclusions I and II follow
- (d) If neither conclusion I nor II follows

13. **Statements:**

All paintings are beautiful.

All photos are paintings.

Conclusions:

- I. All beautiful are paintings.
- II. All paintings are photos.

14. **Statements:**

Some cats are rats.

No rat is a bat.

Conclusions:

- I. Some bats are not cats.
- II. Some rats are not cats.

15. **Statements:**

Some whites are black.

No whites are green.

Conclusions:

- I. Some whites are green.
- II. Some whites are not green.

16. **Statements:**

All flowers are stems.

All stems are roots.

Conclusions:

- I. All roots are flowers.
- II. All stems are flowers.

Directions for questions 17 and 18: Each question is followed by two statements, I and II. Answer the questions using the following instructions. Choose the answer as:

- (a) If the question can be answered by one of the statements alone, but cannot be answered by using the other statement alone.
- (b) If the question can be answered by using either statement alone.
- (c) If the question can be answered by using both the statements together, but cannot be answered by using either statement alone.
- (d) If the question cannot be answered even by using both the statements together.

17. What sum did Raman keep in his savings bank account ?

- I. The interest for the first year was Rs. 600 and for the second year was Rs. 672.
- II. Raman never withdrew any money from the account within two years.

18. A plane, starting from London at 9 a.m. local time, reached New York at 9 a.m. local time. How long did the flight last ?

- I. The plane spent half hour in mid-air refuelling.
- II. When the plane landed at New York, it was 3 p.m. London time

Directions for questions 19 to 23: Arrange the following sentences in a logical order to make a coherent paragraph.

19. A. Shastry is not the lone one to adopt the mantle of a crusading apostle for Sanskrit.
 B. Prima facie their efforts are noble – some would say native, given that Sanskrit in its classical sense existed only as an exclusive preserve of the learned, never as an item of mass currency.
 C. But it's in the note of alacrity and urgency with which such efforts are being espoused and patronised, with eyes firmly set on its attendant emotive baggage, that is cause for worry.
 D. Pandit Sadanand Dikshit, a scholar from the Kendriya Sanskrit Vidyapeeth, Tirupati, runs a similar campaign called the Lok Bhasha Prachar Samiti in Puri, Orissa.
- (a) ABCD (b) DABC
 (c) ADBC (d) BDCA
20. A. There's an inbuilt subtlety here, for political projects often come encased in declarations of good intent.
 B. To illustrate, look no further than Union HRD Minister Murli Manohar Joshi. "Sanskrit and the study of its literature would be a great help in bringing about a renaissance of values in our modern strife-ridden society," says Sanskrit's chief patron in the government.
 C. The symbolic value of Sanskrit is ideal fodder for the BJP's dream project of shaping a '*Hindu rashtra*'.
 D. The intimate relationship between power and knowledge has never been more fully revealed than here.
- (a) ADCB (b) CDBA
 (c) DABC (d) ABCD

21. A. A new UGC course in astrology and Vedic rituals and an ISRO project on ancient Indian astronomy, go along with the creation of a string of new Sanskrit departments and universities.
- B. The handsome boost that the languishing language and its practitioners have received – its annual budget having gone up by seven times in the past five years – should have been worthy of praise, but for the zealous overdrive that marks it.
- C. The controversial NCERT proposal to make Sanskrit compulsory in schools from class 3 to 10 bears out this intent.
- D. Lamenting the deteriorating quality of techniques of imparting it, an overhaul is suggested – by teaching Sanskrit in Sanskrit, instead of the in-vogue grammar-translation method, so that students are “able to understand properly and utilise the wealth of knowledge, both spiritual and scientific, contained in Sanskrit literature for human welfare”.
- (a) ADCB (b) ABCD
(c) DCBA (d) BADC
22. A. A pilot project is under way in about 100 CBSE schools in the country.
- B. The NCERT would assess the project, make the necessary revisions and then move to “universalise it”.
- C. Students in many Delhi schools – Modern, St Columba’s Ramjas and Mother’s International – are being taught Sanskrit in Sanskrit.
- D. But the apologists, despite their reformist tilt towards Sanskrit pedagogy, fall prey to a greater danger – that of trivialising and reducing to kitsch what they hope to resurrect.
- (a) BDCA (b) ACBD
(c) DBCA (d) CADB
23. A. The attempt to foist Sanskrit on the nation, on the pretext of popularising it, has reignited the potentially explosive politics of language – simmering ever since Hindi as the national language ran up against riots in Tamil Nadu in the ‘60s.
- B. The fear, well justified, therefore is that the attempt to turn Sanskrit into a revivalist symbol might similarly backfire, Says Mishra: “I hope the government takes a lesson from what happened to Hindi.”
- C. A recent book by Bangalore-based computer scientist N.S. Rajaram and Bengal Vedic scholar Natwar Jha argues that the lineage of Vedic Sanskrit can be traced back to the Indus civilisation.
- D. Francois Gautier, South Asia correspondent of French daily *Le Figaro*, writes: “Let the scholars begin now to revive and modernise the Sanskrit language. It would be a sure sign of the dawning of the Indian Renaissance.”
- (a) CDAB (b) DACB
(c) ABCD (d) BDCA
- Directions for questions 24 to 28:** Answer the questions based on the following information.
- Each radio station transmits on a frequency that is at least 10 cycles more or less than that of another station.
 - Station A is 10 cycles lower than station B.
 - Station B is 20 cycles lower than station C.
 - Station D is 50 cycles higher than station E.
 - Station E is 10 cycles higher than station F.
 - Station F is 30 cycles lower than station B.
24. Which of the statements about an additional station R could be true?
- (a) Station R operates on a frequency between A and B.
- (b) Station R operates on a frequency between B and C.
- (c) Both (a) and (b).
- (d) Station R operates on a frequency between C and D.
25. What is the order of stations from the highest frequency to the lowest?
- (a) D C B A F E (b) A B F E D C
(c) F E A B C D (d) D C B A E F

26. If A were to reduce by 10 cycles, it would overlap with
 (a) E (b) D
 (c) C (d) B
27. The difference between the frequencies of A and F is ____ cycles.
 (a) 40 (b) 30
 (c) 20 (d) 10
28. Which station is 10 cycles higher than station F?
 (a) A (b) B
 (c) C (d) E
29. The door of my house faces east. I walk 100m from my back door, then turn right and walk 100 m and turn left and walk 50 m and reach a point X. In which direction am I from the starting point?
 (a) North-West (b) South-West
 (c) North (d) North-East
30. If P is to the south of Q and R is to the east of Q, in what direction is P with respect to R?
 (a) South-West (b) South
 (c) North-East (d) North



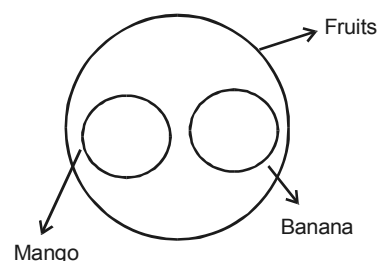
Answer Key

- | | | | | | | | | | |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1. (c) | 2. (d) | 3. (c) | 4. (d) | 5. (d) | 6. (c) | 7. (d) | 8. (d) | 9. (a) | 10. (c) |
| 11. (a) | 12. (c) | 13. (d) | 14. (d) | 15. (b) | 16. (d) | 17. (c) | 18. (c) | 19. (c) | 20. (d) |
| 21. (b) | 22. (b) | 23. (a) | 24. (b) | 25. (d) | 26. (a) | 27. (b) | 28. (d) | 29. (a) | 30. (a) |

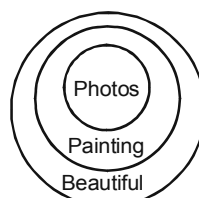


Explanations

1. c The first letter of subsequent groups have a difference of 4, 5 and 6 places respectively, whereas the second letter of the subsequent groups has a difference of 5, 6 and 7 places, respectively. Therefore, on following the same pattern, we get 'WD' as the next term which would replace the question mark. Hence, choice (c) is the answer.
2. d Here, first two terms of every group of letters are in continuation, like XY, ZA, BC, DE, and the third letter of each group is again in forward continuation, i.e., Q, R, S, T. Hence, the term replacing the question mark would be FGU. Hence, choice (d) is the answer.
3. c From the question, A must be male and B must be female. Going by options, we get choice (c) as the answer, i.e. $B + N \div A$ means B is the mother of N and N is the daughter of A, therefore A and B are father and mother of N respectively.
4. d While reading the question, we can conclude that B is a male. And after going through the choices, we find that in none of the choices (a) or (c), B is a male. And in choice (b), B turns out to be the brother-in-law of F.
5. d It is food that satiates our hunger and as food is coded as 'computer', choice (d) is the correct option.
6. c Each letter of the word is coded by the second letter next to it in the forward direction. Hence, choice (c) will be the code for GENUINE.
7. d Reverse order of series will be
 Z X W 22 U T 16 R Q P 15 N M L K J 9 H G F 5 D C B A
 ↑ 16th letter
8. d A B C D 5 F G H 9 J K L M N 15 P Q R 16 T U 22 W X Z
 ↑ 5th ↑ 19th letter
9. a A B C D 5 F G H 9 J K L M N 15 P Q R 16 T U 22 W X Z
 ↑ 9th ↑ 14th letter
10. c Each group is made by leaving one letter/number between two terms. Hence the next term would be 16UW.
11. a A B C D 5 F G H 9 J K L M N 15 P Q R 16 T U 22 W X Z
 ↑ 7th ↑ middle ↑ 11th from right
12. c Banana and mango are two different types of fruits. Thus, the best Venn-diagram is

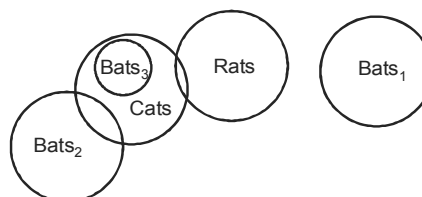


13. d



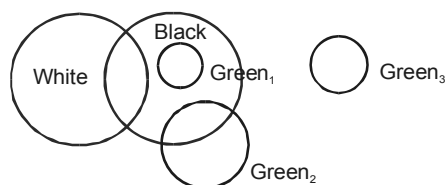
Neither I nor II follows.

14. d



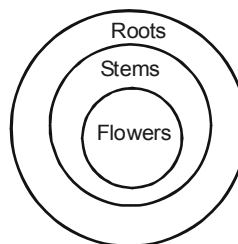
As per the given venn diagram neither of the two conclusions follows.

15. b



Only conclusion II follows.

16. d



As per the given venn diagram neither conclusion I nor II follows.

17. c Both the statements are required to answer the question.

18. c Combining statements I and II, we get that the flight lasted for $5\frac{1}{2}$ hr.

19. c 'Shastry is not the only one' in A and 'Pandit Sadanand Dikshit' in D make a link. 'Efforts' are noble in B and a cause for worry in C. Hence, 'BC' forms a mandatory pair. So, 'ADBC' is the correct sequence.
20. d 'Political' in A can be directly related to 'HRD Minister' in B. 'Sanskrit' and 'BJP' in C can be related to 'power' and 'knowledge' in D. Hence, option (d) is the correct answer.
21. b The 'language' mentioned in B refers to 'Sanskrit' already stated in A. Also, the phrase 'bears out this intent' in C refers to 'zealous overdrive' in B. Hence, 'ABCD' is the correct sequence.
22. b C is more directly related to A as schools are exemplified. B and D discuss the operational aspects and the limitations. Hence, 'ACBD' is the correct sequence.
23. a 'CD' talks about the history of Sanskrit. 'AB' talks about the negative aspects. Hence, 'CDAB' is the answer.

For questions 24 to 28: All of the given information can be represented as

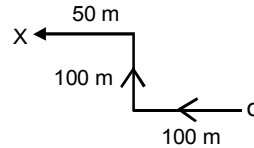
$$A = B - 10, B = C - 20, D = E + 50, E = 10 + F \text{ and } F + 30 = B$$

Let the frequency of A = 100 cycles. Now, the frequency of the other stations can be taken as

$$B = 110 \text{ cycles, } C = 130 \text{ cycles, } D = 140 \text{ cycles, } E = 90 \text{ cycles and } F = 80 \text{ cycles}$$

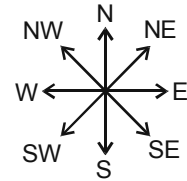
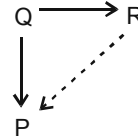
Now, the answer of each question can be determined easily.

29. a The movement is:



We have to assume that the back door faces the west.

30. a



It is clear that P is to the South-West of R.