

Bloom School Olympiads

Bloom Reasoning Olympiad (BRO)

Class 7th

Question Paper 2022

Student Name _____

Mobile No. _____

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Total Questions : 50

Time : 60 min.

Instructions

1. Additional 10 min. will be given to students to fill up the student's information before the start of the exam.
2. There are two sections, Section A & Section B. **Section A** has 40 questions of 1 mark each and **Section B** has 10 questions of 2 mark each.
3. All questions are compulsory. Use of calculator is not allowed.
4. Write and circle your Roll Number and Subject clearly on the Answer sheet and do not forget to sign.
5. There is only one correct answer hence mark one choice only.
6. Darken your choice with HB Pencil or Blue/Black Ball Point Pen only.

For example

Indira Gandhi International Airport, is situated in which city?

- | | |
|---------------|---------------|
| (a) New Delhi | (b) Mumbai |
| (c) Chennai | (d) Hyderabad |

20: ☒ (a) ☐ (b) ☐ (c) ☐ (d)

As the correct answer is (a), the student should darken the circle corresponding to option (a)

7. Rough work should be done in the blank space provided in the booklet
8. Return the answer sheet to the exam in-charge teacher at the end of the exam.

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Bloom Reasoning Olympiad Class 7

Section A (1 Mark)

1. Complete the second pair in the same way as first pair.

OXYGEN : OZYIEP :: CARBON : ?

- (a) ACBRNO (b) RACNOB (c) DBSCPO (d) CCRDOP

2. Choose the word that does not belong to the group.

- (a) Gandhi (b) Mahavira (c) Buddha (d) Christ

3. Complete the series given below.



- (a) KL (b) LM (c) JK (d) LK

4. A man goes 5 km East, then he turns right and goes 9 km then he turns left and goes 4 km and finally he turns left and goes 9 km. How far is he from his starting point?

- (a) 18 km (b) 9 km (c) 5 km (d) 4 km

5. If the 2nd half of the English alphabet is written in reverse order, then find the 5th letter to the right of 12th letter from right end.

- (a) T (b) U (c) V (d) S

6. If in a certain code language, REMOVE is written as SGPSAK, then how will ABROAD be written in the same code language?

- (a) BCSPBE (b) UDBFJS (c) ZAQNZC (d) BDUSFJ

7. If 'K' denotes '×', 'B' denotes '÷', 'T' denotes '-' and 'M' denotes '+', then

80 B 4 T 5 M 9 K 4 = ?

- (a) 50 (b) 49 (c) 99 (d) 51

8. Find the missing number.

9	16	5
60	40	10
7	2	?

- (a) 4 (b) 3 (c) 9 (d) 8

9. Find the odd word.

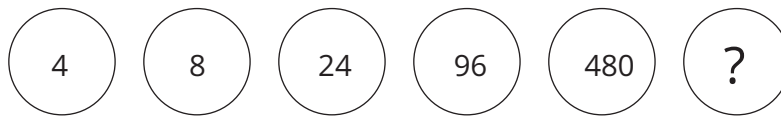
- (a) LED (b) LCD (c) Bulb (d) Tournch

10. Find the correct water image of the following combination.

TRUE

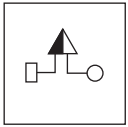
- (a) Э U Я T (b) E U R T (c) 1 Ъ П E (d) 1 Ъ П E

11. What comes next in the series given below?



- (a) 2520 (b) 2880 (c) 2680 (d) 2896

12. Find out the correct mirror image of the given figure.



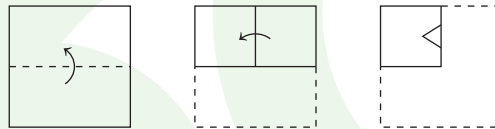
(X)

- (a) (b) (c) (d)

13. If in a certain code, HONESTY is coded as ABCXZDQ, then in the same code how will TONY be coded?

- (a) DBCQ (b) CDQZ
(c) BXDQ (d) QCBD

14. A piece of paper is folded and cut as shown below in the question figures. From the given answer figure, indicate how it will appear when opened?



- (a) (b) (c) (d)

15. Find the missing letter.

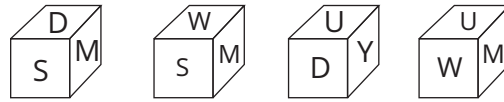
C	T	H
J	P	M
Q	L	?

- (a) P (b) Q
(c) R (d) S

16. Choose the odd letters group.

- (a) MRW (b) TWZ
(c) PUZ (d) HMR

17. From the given four positions of a single dice, find the letter at the face opposite to the face having letter D.



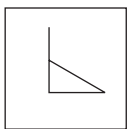
- (a) S (b) M (c) U (d) W
18. Which of the following diagrams represents a relationship between cricketers and players?



19. In the following sequence how many vowels are preceded by a consonant and also followed by a consonant?

B T E M E U B I C O A K A Z T K B M T O

- (a) More than three (b) One
(c) Two (d) Three
20. Select the figure in which the question figure (X) is embedded.



(X)

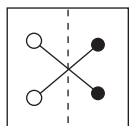


21. Raman said to Suman (a girl) that "Your father's wife is the mother-in-law of my wife Rekha". Then how is Suman related to Raman?
- (a) Sister (b) Mother (c) Sister-in-law (d) Daughter

22. Which word will come in place of question mark (?)?

Foot : Man :: Hoof : ?

- (a) Dog (b) Cow (c) Cat (d) Rabbit
23. Choose the correct figure from the options that resembles the folded form of the figure (X).



(X)



24. Find the next term in the given series.

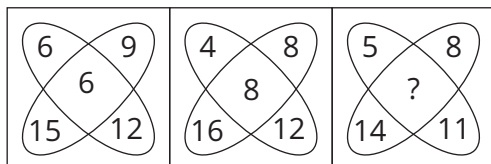


- (a) 226 (b) 200 (c) 198 (d) 218

25. Find the odd one out.

- (a) Pen (b) Calculator (c) Ink (d) Pencil

26. Find the missing term.



- (a) 12 (b) 10 (c) 8 (d) 6

27. There are six persons in a family namely 'A', 'B', 'C', 'D', 'E' and 'F'. C is the sister of F. B is the brother of F's husband. D is the father of A and grandfather of F. How is D related to C?

- (a) Father (b) Uncle
(c) Grandfather (d) Brother

28. Pintu is facing West. He turns 45° in the clockwise direction and then another 180° in the same direction and then 270° in the anti-clockwise direction. In which direction is he facing now?

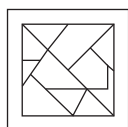
- (a) West (b) North-West
(c) South-West (d) South

29. If 'Q' denotes ' \times ', 'R' denotes ' $-$ ', 'T' denotes ' \div ' and 'W' denotes ' $+$ ', then find the value of below expression.

20 R 12 T 4 Q 6 W 5

- (a) 17 (b) 107
(c) -3 (d) 7

30. Which option figure is hidden in figure (X) ?



(X)

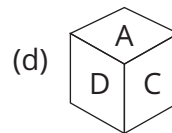
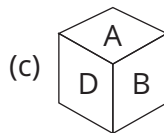
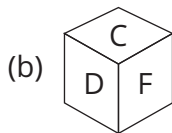
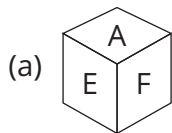
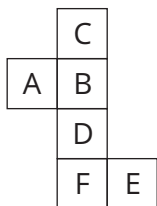
- (a) (b) (c) (d)

31. Find the correct water image.

APPROACH

- (a) HCAORPPA (b) VBBVOVCH (c) HCAORPPA (d) HCAORPPA

32. In a given figure of open dice, which dice we can make?



33. Consider the following statement and answer the question that follows

517 476 325 182

If we interchange the first and second digit of the number then which number will be the greatest?

(a) 517

(b) 182

(c) 325

(d) 476

34. Choose the Venn diagram from the given options which best represents the relationship amongst the following classes

Wheat, Mustard, Cabbage



35. (i) M is N's brother.

(ii) K is M's sister.

(iii) P is O's brother.

(iv) O is N's daughter.

Who is uncle of P?

(a) N

(b) K

(c) O

(d) M

36. Akshita cycled 8 km Southward from her home, turned right and cycled 5 km, turned right and cycled 8 km, turned left and cycled 10 km. How many kilometers will she have cycled to reach straight home?

(a) 8 km

(b) 10 km

(c) 15 km

(d) 13 km

37. Which of the following interchanges of signs would make the given equation correct?

$$24 + 6 \times 3 \div 3 - 1 = 14$$

(a) + and \times

(b) \times and -

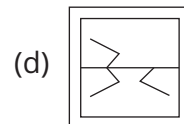
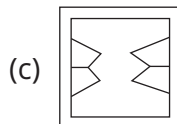
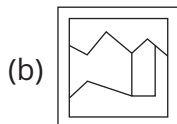
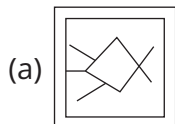
(c) \div and +

(d) - and \div

38. From the given answer figures select the one in which the figure (X) is hidden.



(X)



39. Which number will replace the question mark (?)?

4 : 20 :: 6 : ?

(a) 72

(b) 18

(c) 42

(d) 54

40. Find the odd one out.

(a) 47

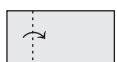
(b) 97

(c) 13

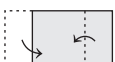
(d) 99

Section B (2 Marks)

41. Choose one figure from the options resembles the unfolded form of the figure (Z).



(X)



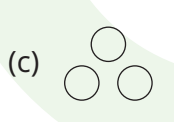
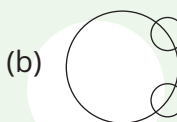
(Y)



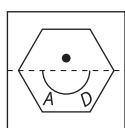
(Z)



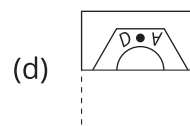
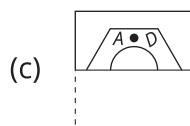
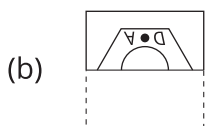
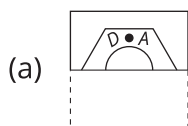
42. Which one of the following Venn diagram represents the best relationship among Snake, Lizard, Reptiles?



43. Choose the correct figure from the options that resembles the folded form of the figure (X).



(X)



44. In a certain code, DESK is written as '# \$ 5 2', RIDE is written as '% 7 # \$'.

How will RISK be written in that code?

(a) %725

(b) %752

(c) %7#2

(d) %7\$#

Directions (Q. Nos. 45 and 46) *Read the following information to answer these questions.*

A and B are good in Volleyball and Hockey. C and A are good in Baseball and Hockey. D and B are good in Volleyball and Cricket. C, D and E are good in Baseball and Football.

45. Who among these five players is good in four games?

- (a) B (b) A
- (c) D (d) C

46. Who is good in Hockey, Volleyball and Baseball?

- (a) D (b) A
- (c) B (d) C

Directions (Q. Nos. 47 and 48) *Read the following information to answer the questions.*

A family consists of six members P, Q, R, X, Y and Z.

Q is the son of R but R is not the mother of Q.

P and R are a married couple. Y is the brother of R.

X is the daughter of P. Z is the brother of P.

47. Who is brother-in-law of R?

- (a) P (b) Z
- (c) Y (d) X

48. How many female members are there in the family?

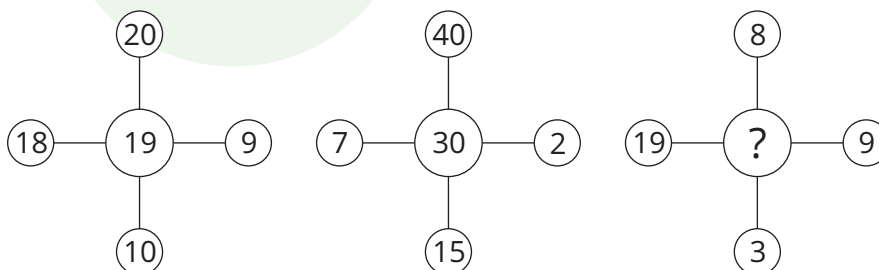
- (a) 1 (b) 2
- (c) 3 (d) 4

49. Choose the pair which is most like the relationship expressed in the original pair in capital letters.

Norway : Oslo

- (a) Russia : Moscow (b) India : Mumbai
- (c) Pakistan : Faislabad (d) China : Shanghai

50. Identify the rule and find the missing number.



- (a) 20 (b) 25
- (c) 30 (d) 15

ANSWER KEY

Reasoning Class 7th

1.	(d)	18.	(c)	35.	(d)
2.	(a)	19.	(d)	36.	(c)
3.	(a)	20.	(d)	37.	(c)
4.	(b)	21.	(a)	38.	(d)
5.	(a)	22.	(b)	39.	(c)
6.	(d)	23.	(d)	40.	(d)
7.	(d)	24.	(a)	41.	(b)
8.	(b)	25.	(b)	42.	(d)
9.	(b)	26.	(d)	43.	(b)
10.	(d)	27.	(c)	44.	(b)
11.	(b)	28.	(c)	45.	(c)
12.	(a)	29.	(d)	46.	(b)
13.	(a)	30.	(b)	47.	(b)
14.	(b)	31.	(b)	48.	(b)
15.	(c)	32.	(c)	49.	(a)
16.	(b)	33.	(b)	50.	(d)
17.	(d)	34.	(d)		

BMO

Bloom
Maths
Olympiad

BSO

Bloom
Science
Olympiad

BEO

Bloom
English
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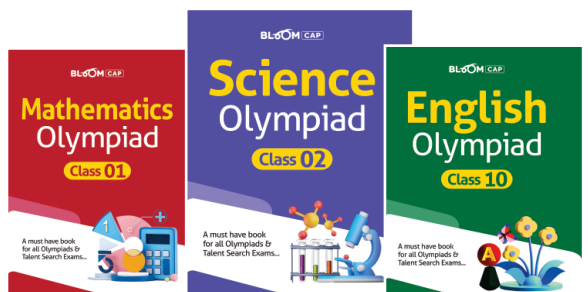
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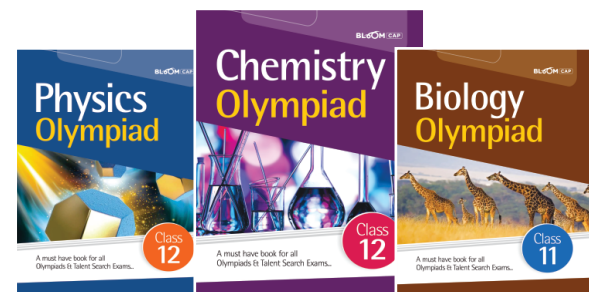
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