

This question paper contains 7 printed pages]

J—55—2019

FACULTY OF SCIENCE

B.Sc. (CS) (Second Year) (Third Semester) EXAMINATION

MARCH/APRIL, 2019

(CBCS Pattern)

COMPUTER SCIENCE

(Logical Reasoning)

(Monday, 29-4-2019)

Time : 2.00 p.m. to 5.00 p.m.

Time—3 Hours

Maximum Marks—75

N.B. :— (i) All questions are compulsory.

(ii) Q. No. 1 to Q. No. 5 is of 1 mark.

(iii) Q. No. 6 to Q. No. 15 is of 2 marks.

(iv) Q. No. 16 to Q. No. 25 is of 3 marks.

(v) Q. No. 26 to Q. No. 30 is of 4 marks.

(vi) No negative marking.

1. Menu : Food :: Catalogue : ?

(a) Rack

(b) Newspaper

(c) Library

(d) Books

2. If in a certain code MADRAS is coded as NBESBT, how is BOMBAY coded in that language ?

(a) CPNCBX

(b) CPNCBZ

(c) CPOCBZ

(d) CQOCBZ

3. Anil introduces Rohit as the son of the only brother of his father's wife. How is Rohit related to Anil ?

(a) Cousin

(b) Son

(c) Uncle

(d) Son-in-law

P.T.O.

4. You go north, turn right, then right again and then go to the left. In which direction are you now ?
- (a) North (b) South
(c) East (d) West
5. If in a certain language, 'oka peru' means 'fine cloth' 'meta lisa' means 'clear water' 'dona lisa peru' means 'fine clear weather'. Which word in that language mean weather ?
- (a) peru (b) oka
(c) meta (d) dona
6. Choose out the odd one :
- (a) Football (b) Volleyball
(c) Cricket (d) Chess
7. aab—aaa—bba—
- (a) baa (b) abb
(c) bab (d) aab
8. If 'air' is called 'green', 'green' is called 'blue', 'blue' is called 'sky', 'sky' is called 'yellow', 'yellow' is called 'water' and 'water' is called 'pink', then what is the colour of clear sky ?
- (a) Blue (b) Sky
(c) Yellow (d) Water
9. A family has a man, his wife, their four sons and their wives. The family of every son also have 3 sons and one daughter. Find out the total number of male members in the whole family.
- (a) 4 (b) 8
(c) 12 (d) 17

15. There are four towns P, Q, R and T. Q is to the South-West of P, R is to the East of Q and South-East of P and T is to the North of R in line with QP. In which direction of P is T located ?
- (a) South-East (b) North
(c) North-East (d) East

Directions (Q. No. 16 to Q. No. 18) :

Each question consists of two statement I and II Decide whether data provided in the statements are sufficient.

- (a) Only data in statement I is sufficient.
(b) Only data in statement II is sufficient.
(c) Data in statement I or statement II is sufficient.
(d) Data given in both statements I and II are not sufficient.
16. What is the colour of the fresh grass ?
- (I) Blue is called green, red is called orange, orange is called yellow.
(II) Yellow is called white, white is called black, green is called brown and brown is called purple.
17. How many children does M have ?
- (I) H is the only daughter of X who is wife of M.
(II) K and J are brothers of M.
18. What is the shortest distance between Devipur and Durgapur ?
- (I) Durgapur is 20 kms away from Rampur.
(II) Devipur is 15 kms away from Rampur.
19. One evening before sunset two friends Sumit and Mohit were talking to each other face to face. If Mohit's shadow was exactly to his right side. Which direction was Sumit facing ?
- (a) North (b) South
(c) West (d) None of these

20. A watch reads 4.30. If the minute hand points East, in what direction will the hour hand point ?

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

21. A is the brother of B. B is the brother of C. D is the father of A. Base on these three statements which of the following statements cannot be definitely true ?

- (a) B is the brother of A (b) B is the son of D
(c) A is the brother of C (d) C is the brother of A

22. If 'P + Q' means 'P is the father of Q',
'P × Q' means 'P is the brother of Q',
'P – Q' means 'P is the mother of Q',

Then which of the following is definitely true about C – A + B ?

- (a) B is the son of A (b) A is the son of C
(c) B is the father of A (d) C is the mother of B

23. In a certain code language,
'234' means 'Spark and Fire'
'456' means 'Spark is Cause'
'258' means 'Fire is Effect'

Which of the following numerals is used for 'Cause' ?

- (a) 6 (b) 3
(c) 4 (d) 5

P.T.O.

24. If DELHI is coded as 73541 and CALCUTTA is coded as 82589662. How can CALICUT be coded ?

- (a) 8251896 (b) 5279431
(c) 5978213 (d) 8543691

25. Choose the group of letters which is different from others :

- (a) FCGDE (b) TRQPS
(c) KJHMF (d) KHGJI

26. Find the next term in alpha-numeric series :

Z1A, X2D, V6G, T21J, R88M, P445P, ?

- (a) N2676S (b) N2676T
(c) T2670N (d) T2676N

27. Deepa moved a distance of 75 m towards the north. She then turned to the left and walking for about 25 m, turned left again and walked 80 m, finally she turned to the right at an angle of 45. In which direction was she moving finally ?

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

28. Mr. A, Miss B, Mr. C and Miss D are sitting around a table and discussing their trades :

- (1) Mr. A sits opposite to cook.
(2) Miss B sits right to the barber.
(3) The washerman is on the left of the tailor.
(4) Miss D sits opposite Mr. C.

What are the trades of A and B ?

- (a) Tailor and Barber (b) Tailor and Cook
(c) Barber and Cook (d) Washerman and Cook

29. Read the following information carefully and answer the question given below it :

There are six persons A, B, C, D, E and F. C is the sister of F, B is the brother of E's husband, D is the father of A and grandfather of F. There are two fathers, three brothers and a mother in the group.

How many male members are there in the group ?

- (a) One (b) Two
(c) Three (d) Four
30. Choose that set of numbers from the four alternative sets, that is similar to the given set.

Given set : (63, 49, 35)

- (a) (72, 40, 24) (b) (72, 48, 24)
(c) (64, 40, 28) (d) (81, 63, 45)