SNS College of Technology, Coimbatore-35.
(Autonomous)
B.E/B.Tech Internal Assessment -II
Academic Year 2022-2023(Even)
Fourth Semester
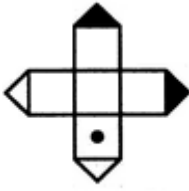**19GET276 – VQAR II**
(Common to all branches)

A
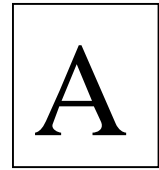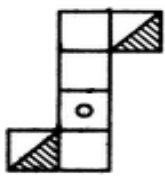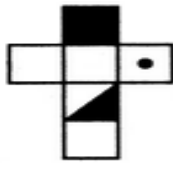
Time: 1¹ᐟ² Hours   **Maximum Marks: 50**
Answer All Questions

PART - A (20x 1 = 20Marks)

1.	**Statements :** No dancers are actors. Some actors are artists. No artist is artisan. **Conclusions :** I. Some artists are not dancers. II. Some artisans are not actors.

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

2.	**Statements :** All rivers are seas. All lakes are seas. Some seas are not oceans. **Conclusions :** I. Some rivers are not lakes. II. Some oceans may not be seas.

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

3.	**Statements:** Some actors are singers. All the singers are dancers. **Conclusions:** I. Some actors are dancers. II. No singer is actor.

a) Only (1) conclusion follows	b) Only (2) conclusion follows
c) Either (1) or (2) follows	d) Neither (1) nor (2) follows

4.	**Statements:** Some mangoes are yellow. Some tixo are mangoes. **Conclusions:** I.Some mangoes are green. II.Tixo is a yellow.

a) Only (1) conclusion follows	b) Only (2) conclusion follows
c) Either (1) or (2) follows	d) Neither (1) nor (2) follows

5.	**Statements:** Some ants are parrots. All the parrots are apples.
	Conclusions:
	I. All the apples are parrots.
	II. Some ants are apples.

a) Only (1) conclusion follows	b) Only (2) conclusion follows
c) Either (1) or (2) follows	d) Neither (1) nor (2) follows

6. The total surface area of a solid hemisphere is 942 cm^2. Its Volume (in cm^3) is closest to: (Take π =3.14)

a) 2089	b) 2093
c) 2037	d) 2097

7. Find the radius of semi-circle whose perimeter is 72 cm. (Take π=22/7)

a) 14 cm	b) 11cm
c) 56 cm	d) 24 cm

8. The complement of P(A) is

a) 1-P(A)	b) 1+P(A)
c) 1/P(A)	d) None of these

9. The probability of all the events in a sample space adds up to

a) 0	b) 1
c) 2	d) 3

10. **Statements:**
I. Standard of living among the middle class society is constantly going up since part of few years.
II. Indian Economy is observing remarkable growth.

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.

11. **Statements:**
I. The staff of Airport Authorities called off the strike they were observing in protest against privatization.
II. The staff of Airport Authorities went on strike anticipating a threat to their jobs.

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.

12. **Statement:** An increasing number of graduates produced by Indian universities are unemployable.
Courses of Action :
(I). Colleges and institutes of higher learning should be given greater autonomy to decide the course content.
(II). World class foreign universities should be encouraged to set up campuses in India.

a) If only (I) follows.	b) If only (II) follows.
c) If either (I) or (II) follows.	d) If neither (I) nor (II) follows.

13.	**Statement:** The dolphin population in India has been decreasing sharply over the past few years.

Statement: The dolphin population in India has been decreasing sharply over the past few years.
Courses of Action:
(I). Dolphins should be declared an endangered species and bred in aquariums or protected areas.
(II). Locals should be enlisted to protect dolphins.

a) If only (I) follows.	b) If only (II) follows.
c) If either (I) or (II) follows.	d) If neither (I) nor (II) follows.

14. Choose the box that is similar to the box formed from the given sheet of paper (X).

a) 1 and 2 only	b) 2 and 4 only
c) 2 and 3 only	d) 1 and 4 only

15. Choose the box that is similar to the box formed from the given sheet of paper (X).

a) 1 and 3 only	b) 1 and 4 only
c) 2 and 4 only	d) 3 and 4 only

16. Choose the box that is similar to the box formed from the given sheet of paper (X).

a) 1 and 3 only	b) 2, 3 and 4 only
c) 2 only	d) 3 and 4 only

17. Which of the following will be step III for the input below?
Input 04 22 18 29 31 16 11 03

a) 22 29 04 18 16 11 03	b) 31 04 22 18 29 16 11 03
c) 31 29 04 22 18 16 11 03	d) 31 29 22 04 18 16 11 03

18. At which step does we get the final output of the given input?
Input : 11 06 24 47 05 03

a) Step II	b) Step III
c) Step IV	d) Step V

3

19.	Which of the following is third to the right of fifth element from left end in step IV? **Input:** around 35 world 57 meet 91 several 39 problematic 43 instances 19	
	a) Problematic	b) 35
	c) Meet	d) 57
20.	Which of the following comes exactly between 'around' and 'world' in the final output? **Input:** around 35 world 57 meet 91 several 39 problematic 43 instances 19	
	a) 39	b) Several
	c) 35	d) 19

PART - B (15 x 2 = 30 Marks)	
21.	**Statements:** All the harmoniums are instruments. All the instruments are flutes. **Conclusions:** All the flutes are instruments. All the harmoniums are flutes.	
	a) Only (1) conclusion follows	b) Only (2) conclusion follows
	c) Either (1) or (2) follows	d) Neither (1) nor (2) follows
22.	**Statements:** All the windows are doors. No door is a wall. **Conclusions:** 1. Some windows are walls. 2. No wall is a door.	
	a) Only (1) conclusion follows	b) Only (2) conclusion follows
	c) Either (1) or (2) follows	d) Neither (1) nor (2) follows
23.	**Statements:** All cups are books. All books are shirts. **Conclusions:** 1. Some cups are not shirts. 2. Some shirts are cups.	
	a) Only (1) conclusion follows	b) Only (2) conclusion follows
	c) Either (1) or (2) follows	d) Neither (1) nor (2) follows
24.	The ratio between the perimeter and the breadth of a rectangle is 5:1. If the area of the rectangle is 216 sq.cm What is the length of the rectangle?	
	a) 36 cm	b) 18 cm
	c) 20 cm	d) None of these
25.	The area of a triangle is _____ of the area of the parallelogram on the same base and between the same parallels.	
	a) Same as	b) triple
	c) half	d) double
26.	If the events have the same theoretical probability of happening, then they are called --------------	
	a) Mutually exclusive events	b) Mutually exhaustive events
	c) Equally likely events	d) Impossible events

27.	**Statements:** I. The Government has decided to hold a single entrance test for admission to all the medical colleges in India. II. The State Government has debarred students from other States to apply for the seats in the medical colleges in the State.

a) Both the statements I and II are effects of some common cause.	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.

28. Choose the box that is similar to the box formed from the given sheet of paper (X).

a) 1 only	b) 2 only
c) 1 and 3 only	d) 1, 2, 3 and 4 only

29. Choose the box that is similar to the box formed from the given sheet of paper (X).

a) 2 and 3 only	b) 1, 3 and 4 only
c) 2 and 4 only	d) 1 and 4 only

30. **Statement:** Cases of road accidents are increasing constantly, particularly in the urban areas.
Courses of Action:
(I). Transport authorities in the urban areas should impose stringent norms for maintenance of vehicles.
(II). Traffic police should severely punish those found to be violating traffic rules.

a) If only (I) follows.	b) If only (II) follows.
c) If either (I) or (II) follows.	d) If neither (I) nor (II) follows.

31. How many steps will be required to complete the given input?
Input: never 42 leaved 39 important object 53 46 anyplace 74

a) Three	b) Seven
c) Six	d) Five

32. Which of the following steps will be last but one of the given input?
Input: never 42 leaved 39 important object 53 46 anyplace 74

a) 39 74 46 53 important 42 never leaved object anyplace	b) 39 74 46 53 42 important never leaved object anyplace
c) 39 74 46 42 53 never leaved object anyplace important	d) 39 74 46 53 42 important never object leaved anyplace

33.	**Input:** 555 cat 651 dog 481 gold 231 modi 631 ruchi In which step we will get the following output? 6511 555 231 481 modi ruchi cat dog gold.	
	a) Step 5	b) Step 4
	c) Step 3	d) There is no such step
34.	**Input :** host 15 32 page 43 over mother 92 Which of the following step will be the last but one?	
	a) IV	b) V
	c)VI	d) VII
35.	**Step II of an input is :** 67 cat 12 25 dog fight man 42 Which of the following will be step V?	
	a) 67 cat 42 dog 25 fight 12 man	b) 67 cat 42 dog 25 12 fight man
	c) 67 cat 42 dog 12 25 fight man	d) 67 cat 42 12 25 dog fight ma