

VCRP - 2025

Round 1: Aptitude Test on 13/03/2025 at College Campus

Aptitude Test Guidelines

Aptitude test will be conducted on computer on 13/3/2025 at 9:30 AM in college campus Sandipani Technical Campus Faculty of Engineering, Nanded Road, Kolpa, Latur.

Exam Pattern:

Exam Paper: Branch wise

Total Marks: 25 (General Aptitude-15, Technical - 10)

Exam Duration: 30 Mins.

Venue: Sandipani Technical Campus Faculty of Engineering, Kolpa, Latur

Note: Kindly bring Receipt, your college ID-Card/any other ID proof

Polytechnic CIVIL Engineering Branch Question Bank

	Technical Questions: 10 Marks
	Subject: BASIC CIVIL ENGINEERING Question Bank
	Any of the Following 10 Questions will be asked.
1)	Rubble masonry is sub-divided into:
	a) 4
	b) 2
	c) 6
	d) 10
ANS	C
2)	Which of the below joints is used for masonry in arches?
	a) Butt

	b) Table
	c) Rebated
	d) Dowel
ANS	C
3)	The portion of bricks cut across the width in half is called:
	a) Half split
	b) Half closer
	c) Half bed
	d) Half bat
ANS	D
4)	In _____ type of bond, all the bricks are arranged in header courses.
	a) Header bond
	b) Flemish bond
	c) Dutch bond
	d) Facing bond
ANS	A
5)	A casement window hung horizontally is called:
	a) Hopper
	b) Awning
	c) Pivot
	d) Transom
ANS	A
6)	If a door swings towards the person opening it, it is called:
	a) Left handed
	b) Reverse
	c) Normal
	d) Right handed
ANS	B
7)	How many types of stairs are there based on the material?
	a) 4
	b) 5
	c) 8
	d) 6
ANS	C
8)	Which IS code gives details about wooden stairs?
	a) IS 2634
	b) IS 2643
	c) IS 1634
	d) IS 1643
ANS	C
9)	In suspended concrete floors, _____ beams are used.

	Question Type
	a) T shaped
	b) Inverted L shaped
	c) Inverted T shaped
	d) I shaped
ANS	C
10)	The first step in flooring is:
	a) Topping
	b) Base coat
	c) Sand filling
	d) R.C.C. layer
ANS	B
11	In plane surveying,
	(a) the curvature of the earth is taken into consideration
	(b) the curvature of the earth is not taken into
	(c) the surveys extend over large areas.
ANS	B
	12. In geodetic surveying, the curvature of the earth is taken into consideration.
	(a) Agree
	(b) Disagree
ANS	A
	13.The working from whole to the part is done in surveying in order to ensure that
	(a) survey work is completed more quickly
	(b) number of errors is minimum
	(c) plotting is done more quickly
	(d) errors and mistakes of one portion do not affect the remaining portion.
ANS	D
	14. In levelling, the correction for curvature (in metres) is equal
	(a) $0.00785 D^2$
	(b) $0.0785 D^2$
	(c) $0.0112 D^2$
	(d) $0.0673 D^2$
ANS	B
	15.The horizontal distance between any two consecutive contours is called
	(a) vertical equivalent
	(b) horizontal equivalent
	(c) contour interval
	(d) contour gradient
ANS	B

	16. A back sight indicates.....of the instrument.
	(a) shifting
	(b) setting up
	(c) height
ANS	B
	17. The point on which the instrument is set up, is called station point.
	(a) True
	(b) False
ANS	B
	18. A fixed point of reference of known elevation is called
	(a) change point
	(b) station point
	(c) bench mark
	(d) datum
ANS	C
	19. An imaginary line tangential to the longitudinal curve of the bubble tube at its middle is called
	(a) axis of telescope
	(b) axis of level tube
	(c) level line
	(d) line of collimation
ANS	B
	20. A staff reading taken on a bench mark or a point of known elevation is called
	(a) fore sight reading
	(b) back sight reading
	(c) intermediate sight
	(d) any one of these
ANS	B
	21. In how many ways can ranging be carried out?
	A. 2 ways
	B. 4 ways
	C. 6 ways
	D. 8 ways
ANS	A
	22. Chain surveying uses the principle of?
	A. Chaining
	B. Ranging
	C. Triangulation
	D. Traversing
ANS	C
	23. The process of a location of intermediate points on a survey line?

	Offsetting
	Ranging
	Aligning
	Extending
ANS	B
	24. The book in which chain measurements are entered is called?
	A. Chain book
	B. Study book
	C. Record book
	D. Field book
ANS	D
	25. Survey stations may be marked on the ground using a ?
	A. Peg
	B. Pointer
	C. Rod
	D. Pole
ANS	A