

PAPER-II WORKSHOP CALCULATION & SCIENCE & ENGINEERING DRAWING SEMESTER-I (MORNING SESSION) (10th PASS TWO YEAR TRADES)

TIME: 3 HRS. MARKS: 150

Note: This paper contains two parts – Part A & Part B.
Attempt all the questions. All questions carry equal marks.

PART - A (WORKSHOP CALCULATION & SCIENCE) (Marks: 75)

Choose the correct answers:

1.	0.1 x 0.01 = a) 0.1 c) 0.001	b) 0.01 d) 0.0001
2.	If the volume of pure water is given as 62 m ³ and its mass as 62000 kg, then the density =	
	a) 100 kg m ⁻³ c) 1000 kg m ⁻³	b) 10 kg m ⁻³ d) 1 × 10 ⁻³
3.	The perimeter of rectangle is 320m, its sides a) 6000 m ² c) 12000 m ²	s are in the ratio of 5:3 then its area is – b) 3000 m ² d) 24000 m ²
4.	A Force due to pull of gravity is known as _a) Weight c) Mass	b) Force d) None of these
5.	The unit of energy in SI system is – a) Joule c) Erg	b) Calorie d) Electron volt

Contd...2/-



6.	The weight of cube material of 14 cm side as 21.4 kg c) 44.4 kg	and whose density is 7.8gms/cc is – b) 25.4 kg d) 34.4 kg
7.	Find the ratio of 90 cm to 15 m. a) 3:50 c) 6:1	b) 5:3 d) None of these
8.	The example of potential energy is – a) Blowing wind c) Flowing water	b) Rotating wheel d) Water in over head tank
9.	Parentage of kind of fraction whose denomination a) 0 c) 10	inator is always – b) 1 d) 100
10.	12846x593+12846x407= () a) 24064000 c) 24038606	b) 12846000 d) 24203706
11.	$\frac{26}{\sqrt{x}} = 2$ a) 196 c) 125	b) 169 d) 225
12.	If $250/\sqrt{x} = 10$. Find the value of x. a) 6250 c) 625	b) 2506 d) 256
13.	Compare the ratios 2:3 & 4:7. a) 2:3 < 4:7 c) 2:3 = 4:7	b) 2:3 > 4:7 d) None of these
14.	342197 x 9999= a) 3221627803 c) 3421627803	b) 3521627803 d) 3321627803
15.	If the side of a square is increased by 25%, a) 56.25 c) 125	then its area is increased by%. b) 50 d) 156.25
16.	When we apply force on any object, it chan a) Nothing c) Effort	ges its position, we say that is done. b) Work d) None of these





