

Question 1

Revisit Later

Select an option

C

The specific speed of a turbine is given by the equation:

$$\frac{N \sqrt{P}}{H^{3/2}}$$

$$\frac{N \sqrt{P}}{H^2}$$

$$\frac{N \sqrt{P}}{H^{5/4}}$$

$$\frac{N \sqrt{P}}{H^{7/4}}$$

Attempted: 20/20

Question 2 Revisit Later**Select an option** Speed Distance Engine r.p.m. Fuel Consumption

Tachometer in a vehicle measures:

Attempted: 20/20

Question 3

Revisit Later

Select an option

Engine torque is highest at

 Low speed Intermediate speed High speed None of the Above

1. PART A : TECHNICAL ...



1 2 3 4 5 6 7 8 9 10

Previous

Attempted: 20/20

Question 4

 Revisit Later

Select an option

 Clear F

Which of the following welding process uses non-consumable electrodes

 TIG welding MIG welding Manual arc welding Submerged arc welding

1. PART A : TECHNICAL ...



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Attempted: 20/20

Question 5

Revisit Later

The torque available at the contact between driving wheels and road is known as

Select an option

 none of these Clutch effort tractive effort brake efforts



Attempted: 20/20

Question 6

 Revisit Later

Select an option

The bond formed by transferring electrons from one atom to another is called

 Ionic bond Covalent bond Metallic bond None of these

1. PART A : TECHNICAL ...



< 1 2 3 4 5 6 7 8 9 10 >



Attempted: 20/20

Question 7

Revisit Later

Select an option

The ratio of Bulk modulus to Young's modules for a Poission's Ratio of 0.3 will be:



$\frac{3}{5}$

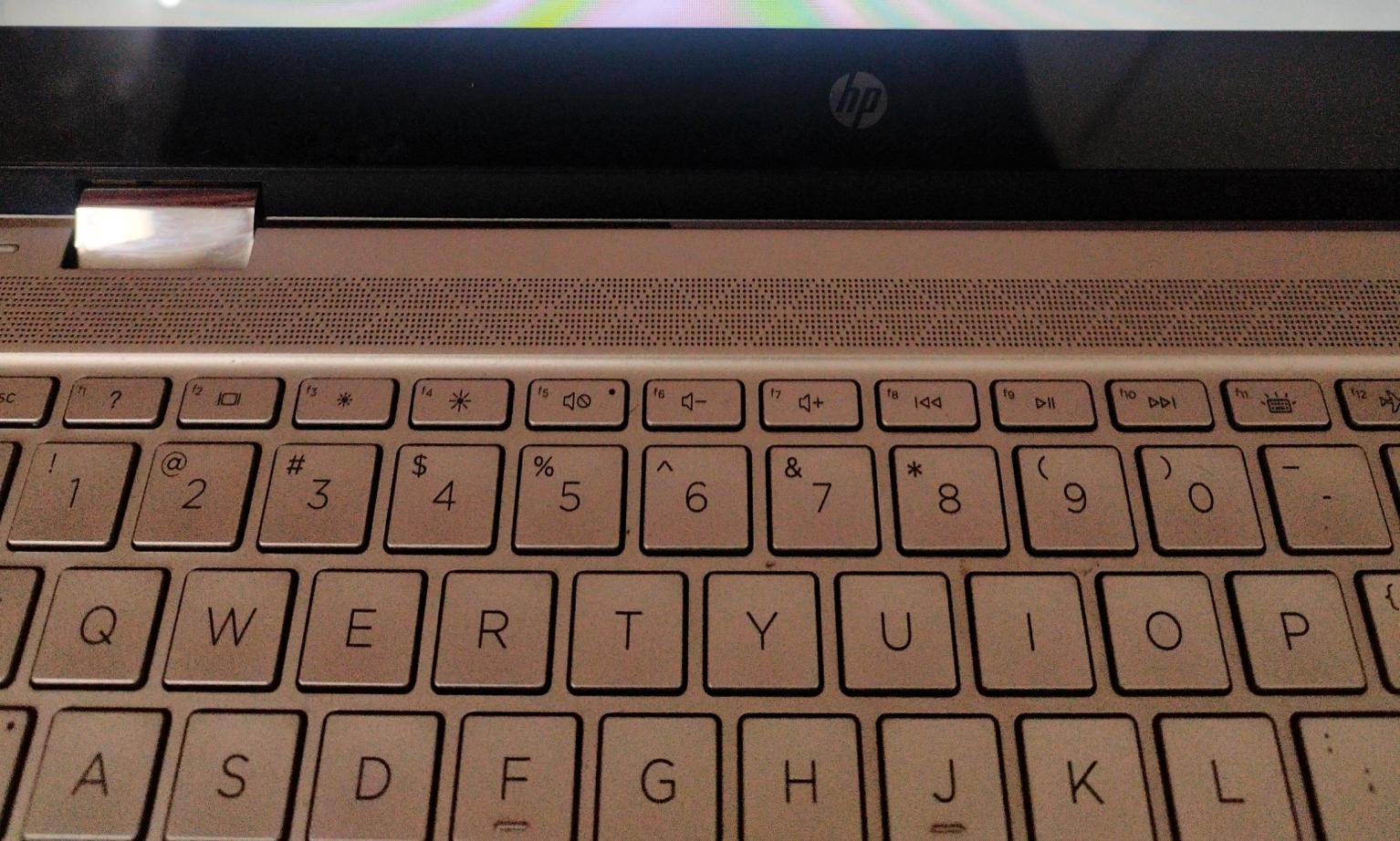
$\frac{5}{6}$

1

$\frac{3}{n}$

Question 8 Revisit Later**Select an option**

An imaginary circle which by pure rolling action gives the same motion as the actual gear, is called:

 Addendum Circle Dedendum Circle Pitch Circle Clearance Circle

1. PART A : TECHNICAL ...



< 1 2 3 4 5 6 7 8 9 10 >

Attempted: 20/20

Question 9

Revisit Later

Select an option

The essential constituent of a hardened steel is:

 Pearlite Anstenite Martensite Troostite



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your Honda v... your Honda

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1999 Honda Accord Sedan (Model 99)

• Honda Accord Sedan (Model 99)

1. PART A : TECHNICAL ...



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Attempted: 20/20

Question 11

 Revisit Later

Select an option

In commercial Vehicle layouts engine is located forward, rear or under floor mainly to



- Better utilization of space
- Reduce the weight of chassis
- Better weight distribution
- Increase fuel economy

PART A : TECHNICAL ...



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Attempted: 20/20

Question 12

Revisit Later

Select an option

Which of the following is a classification of IC engine?

 Otto cycle engine Four -stroke engines S.I engines All of the above

1. PART A : TECHNICAL ...

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Attempted: 20/20

Question 13

Revisit Later

Select an option

A diesel engine has compression ratio from

 6 to 10 10 to 15 15 to 25 25 to 40



Attempted: 20/20

Question 14 Revisit Later**Select an option**

A-B-C Analysis is used in:

 CPM PERT Inventory Control All of the above

Attempted: 20/20

Question 15

Revisit Later

Select an option

The ratio of brake power to the indicated power is known as

 Mechanical efficiency Overall efficiency Indicated thermal efficiency Brake thermal efficiency

Attempted: 20/20

Question 16

Revisit Later

Select an option

Clear

Strain energy is the:

- Energy stored in a body when strained within elastic limits
- Energy stored in a body when strained upto the breaking of a specimen
- Maximum strain energy which can be stored in a body
- Proof resilience per unit volume of a material

1. PART A : TECHNICAL ...



< 11 12 13 14 15 16 17 18 19 20 >

Attempted: 20/20

Question 17

 Revisit Later

$$\frac{1}{2} \sqrt{M^2 + T^2}$$

When a shaft is subjected to combined twisting moment (T) & Bending moment (M), then the equivalent bending moment is equal to:

$\sqrt{M^2 + T^2}$

$\frac{1}{2} [M + \sqrt{M^2 + T^2}]$

$M + \sqrt{M^2 + T^2}$

1. PART A : TECHNICAL ...

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Attempted: 20/20

Question 18

Revisit Later

Select an option

The automobile radiator is a heat exchanger of:

 Parallel flow type Counter flow type Cross flow type Regenerator type

1. PART A : TECHNICAL ...



11 12 13 14 15 16 17 18 19 20

Previous

Attempted: 20/20

Question 19 Revisit Later**Select an option** Clear Res...

The basic function of the suspension is to:

- Absorb vibration & impact forces from the road surface.
- Ensure that the steering wheel can deliver a suitable amount of steering force.
- Ensure that the wheel alignment is not disturbed during driving.
- Automatically correct the effects of over steering.



1. PART A : TECHNICAL ...



< 11 12 13 14 15 16 17 18 19 20 >



Pre

Attempted: 20/20

Question 20

Revisit Later

Select an option

When the tool moves parallel to the lathe axis, the movement is termed as

 Cross feed Longitudinal feed Angular feed Any one of these

1. MATHEMATICS

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DISCUSS HERE

Question 1

(1) Review Later

Select an option

Chargers are bought at ₹ 5 for Rs. 10 and sold at ₹ 8 for Rs. 15. The profit or loss as percentage is

 20% 30% 25% 40%



Attempted: 10/10

Question 2

 Revisit Later

Select an option

Find the distance between the points A (-4, 7) and B (2, -5).

 5 6 $6\sqrt{5}$ 7



Attempted: 10/10

Question 3

Revisit Later

A pipe of 2 inch diameter fills the water tank in one hour. If the diameter of the pipe is 4 inch in what time will the pipe fill the same tank?

Select an option 10 minutes 15 minutes 30 minutes 45 minutes

2. PART B : ARITHMETIC

< 1 2 3 4 5 6 7 8 9 10 >

Attempted: 10/10

Question 4 Revisit Later**Select an option**

The area of a triangle is equal to the area of a square whose each side is 60 metres. The height of the triangle is 90 metres. The base of the triangle will be:

 75 m 85 m 65 m 80 m



Attempted: 10/10

Question 5

Revisit Later

Select an option

 618 sq.m. 612 sq.m 2464 sq.m. 616 sq.m

Attempted: 10/10

Question 6

Revisit Later

Select an option

X walked 35 metres towards South, then turned left and walked 25 metres, and again turned left walked for 35 meters. He then turned to his right and walked 20 metres. At what distance and direction from the starting point is X now standing?

 20 m West 45 m East 20 m East 45 m North

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2. PART B : ARITHMETIC



1 2 3 4 5 6 7 8 9 10

Attempted: 10/10

Question 7

Revisit Later

X gives $\frac{1}{2}$ of his property to his wife and $\frac{1}{4}$ of the rest of his son. The remainder is divided equally to his two daughters. The share of each daughter is:

Select an option 3/8 1/6 3/16 7/16

2. PART B : ARITHMETIC



1 2 3 4 5 6 7 8 9 10

Attempted: 10/10

Question 8

 Revisit Later

Select an option

If $\sqrt{15} = 3.88$. What is $\sqrt{(5/3)}$?

 1.213 1.293 1.321 1.432

2. PART B : ARITHMETIC



< 1 2 3 4 5 6 7 8 9 10 >

Attempted: 10/10

Question 9

Revisit Later

Select an option

In climbing a round pole of 80 metres height, a monkey climbs 5 metres in a minute and slips 2 metres in the alternate minute. To get to the top of the pole, the monkey would take :

 51 minutes 54 minutes 58 minutes 61 minutes

2. PART B : ARITHMETIC

1

< 1 2 3 4 5 6 7 8 9 10 >

Attempted: 10/10

Question 10

Revisit Later

Select an option

In a garden, there are 10 rows and 12 columns of mango trees. The distance between the two trees is 2 metres and a distance of one metre is left from all sides of the boundary of the garden. The length of the garden is

 20m 22m 24m 26m