

QUIZ NO: 474

TOPIC: MECHANICAL ENGINEERING

DATE: 29/07/2021

1. Bed of a planer is

- [A] Large in size and heavy in weight
- [B] Small in size and heavy in weight
- [C] Large in size and light in weight
- [D] Small in size and light in weight

Answer: A

2. Cutting speed of planer is expressed in

- [A] cm/min
- [B] m/min
- [C] m/s
- [D] cm/s

Answer: B

3. In a slotting machine at the bottom of the RAM it carries the

- [A] Work piece
- [B] Cutting tool
- [C] Both a and b
- [D] None of the above

Answer: B

4. For a slotting machine, the rate at which the metal is removed during downward cutting stroke is known as

- [A] Cutting speed
- [B] Feed
- [C] Depth of cut
- [D] Cross rail

Answer: A

5. Round belts are generally made from

- [A] Plastic
- [B] Wool
- [C] Kevlar
- [D] Rubber

Answer: D

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6. Velocity ratio is the

- [A] Ratio of peripheral velocity of driver pulley to that of driven pulley
- [B] Ratio of peripheral velocity of driven pulley to that of driver pulley
- [C] Velocity of driven pulley only
- [D] Velocity of driver pulley only

Answer: A

7. Examples of gears

- [A] Spur
- [B] Bevel
- [C] Screw
- [D] All the above

Answer: D

8. Straight gear teeth are:

- [A] Those where the teeth axis is parallel to the shaft axis
- [B] Those where the teeth axis is perpendicular to the shaft axis
- [C] Those where the teeth axis is either perpendicular or parallel to the shaft axis
- [D] All the above

Answer: A

9. Addendum

- [A] The distance from the pitch circle to the bottom of the tooth space (root circle)
- [B] The distance from the top of a tooth to the pitch circle. Its value is equal to one module
- [C] This is a radial distance from the tip of a tooth to the bottom of a mating tooth
- [D] All the above

Answer: B

10. Example of parallel shaft gears

- [A] Spur
- [B] Bevel
- [C] Spiral
- [D] All the above

Answer: A

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