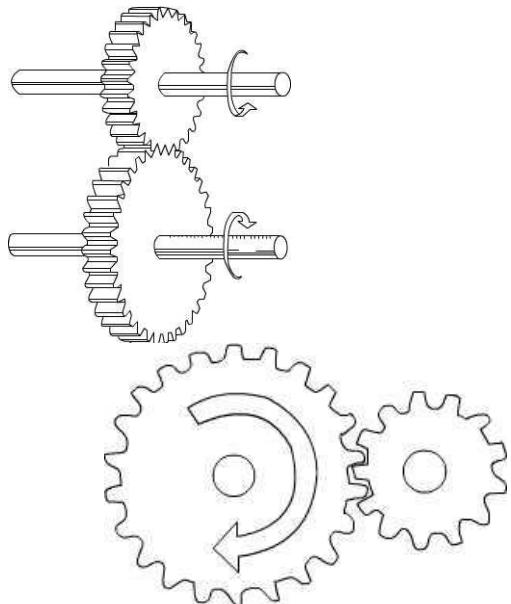


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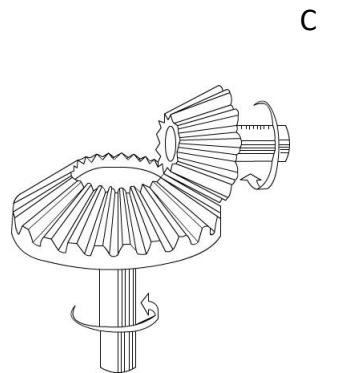
Gears test 3

1.1 Study the pictures below and identify each gear type.

A

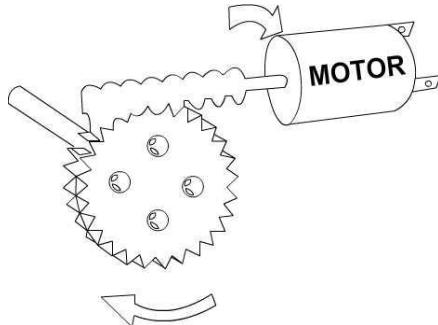


B

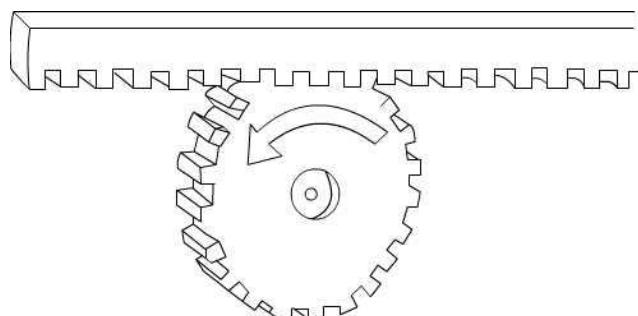


C

D



E



[10 marks]

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1.2 Match column A with column B.

Type of gear	Use
a. bevel gears	1. Wheel-shaped and transfer rotary movement.
b. rack and pinion	2. Transfer rotary movement from vertical to horizontal shafts.
c. spur gear	3. Cone-shaped and transfers movement through 90°.
d. crown and pinion	4. Rod turns gear wheel in a different direction.
e. worm gear	5. Converts rotary movement to linear and <i>vice versa</i> .

[10 marks]

[20 marks]

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Suggested Solutions

Question number	Possible marks	Answers
1	10 marks 10 marks	1.1 a. spur gears b. bevel c. gear train d. worm gear e. rack and pinion 1.2 a. 3 b. 5 c. 1 d. 2 e. 4

[20 marks]