

1). Which is a self-lubricating bearing material?

- (A) White metal
- (B) Cadmium-based alloy
- (C) Copper lead alloys
- (D) Sintered alloy

Correct Answer: D

2). Which bearing material has low co-efficient of friction and high material cost?

- (A) Nylon
- (B) Teflon
- (C) Plastic
- (D) Laminated phenolic

Correct Answer: B

3). Which bearing material has poor thermal conductivity?

- (A) Nylon
- (B) Teflon
- (C) Sintered alloys
- (D) Laminated phenolic

Correct Answer: D

4). Which alloying metal bearing can work at higher temperature and higher load carrying capacity?

- (A) Cast iron
- (B) White metal
- (C) Copper lead alloys
- (D) Cadmium based alloy

Correct Answer: C

5). How to overcome the low thermal conductivity in laminated phenolics bearing materials?

- (A) By replacing the bearing with good thermal conductivity
- (B) By not running the system for more time
- (C) By having adequate cooling facilities
- (D) By arranging for air cooling the equipment's

Correct Answer: C

6). Which bearing material has poor resistance to corrosion?

- (A) White metal
- (B) Cadmium-based alloy
- (C) Aluminium alloy
- (D) Sintered alloy

Correct Answer: B

7). How to overcome the defect of decreased load-carrying capacity with increasing temperature using white metal bearings?

- (A) Heat treated to increase the hardness
- (B) Heat treated to increase the temper
- (C) Coated with high strength material
- (D) Coated with bronze material

Correct Answer: C

8). Which metal is used for electroplating to resist corrosion for a long period and to retain high polish?

- (A) Lead
- (B) Nickel
- (C) Chromium
- (D) Aluminium

Correct Answer: C

9). Which bearing material has resistance to chemical reaction?

- (A) Teflon
- (B) Nylon
- (C) Laminated phenolics
- (D) Lead bronze

Correct Answer: A

10). Which bearing material needs no lubrication?

- (A) Plastic
- (B) Cast iron
- (C) White metal
- (D) Aluminium alloy

Correct Answer: A

11). Which metal powder is used in calorizing process to prevent corrosion?

- (A) Zinc powder
- (B) Nickel powder
- (C) Chromium powder
- (D) Aluminium powder

Correct Answer: D

12). Which bearing material is an alloy of tin or lead-based?

- (A) White metal
- (B) Cadmium-based alloy
- (C) Aluminium alloy
- (D) Sintered alloy

Correct Answer: A

13). Which bearing material is used for connecting rods and electrical motors?

- (A) White metal
- (B) Sintered alloy
- (C) Aluminium alloy
- (D) Copper lead alloy

Correct Answer: D

14). How to overcome the effect of high thermal expansion in aluminium alloy bearings?

(A) Provides extra clearance on the bearing of outer race

(B) Provides extra clearance on the shaft

(C) Provides extra clearance on the bearing of inner race

(D) Provides extra clearance on the bearing and journal

Correct Answer: D

15). Which bearing material is suitable for high strength and shock resistance?

(A) Nylon

(B) Teflon

(C) Plastics

(D) Laminated phenolics

Correct Answer: D

