

Bajaj Placement Paper Pattern

BAJAJ SAMPLE PAPER - DELHI

PROCESS:

1ST ROUND ? Written Test ? 53 questions in 1 hour. 25 technical + 28 aptitude (0.5 marks negative for all questions)

2ND ROUND ? GD ? Topics- 1. How to improve quality of chappathi?

2. Case study on how to introduce artificial chapathi into market? Duration of both GDs was 30 minutes out of which first 10 minutes are compulsory preparation time.

3RD ROUND ? Personal interview. GD alone was not shortlisting round.

TECHNICAL:

1. What is the material of Crank Shaft? Standard time= a. normal time minus allowance b. reliability time.

2. Energy stored in the spring when it is fully compressed without any deformation is ----- Ans. Resilience or proof resilience

3. Question on the relation $L=PL/AE$. What is ? (strain)? Ans. P/AE

4. Lower spindle speed is necessary for? if diameter of w/p is large when depth of cut is high

5. For which of the following material machinability is high? Ans. Aluminium

6. 24 & 2 in M24X2 represent which of the following two parameters respectively?

7. What is the equation governing kinematic links and pairs?

a. $L=2p-3$ b. $L=2p-4$ c. $L=3p-5$

8. Pick out the wrong statement: -

Joule cycle consists of 2 constant volume processes and 2 adiabatic processes

Otto cycle consists of 2 constant volume processes and 2 adiabatic processes

Ericsson cycle consists of 2 constant volume processes and 2 adiabatic processes

None of the above

For same compression ratio which of the following cycles is more efficient?

a. otto b. diesel

9. The angle between face of the tool and plane parallel to the base of the tool is

a. rake angle b. clearance angle c. cutting edge angle d. lip angle

10. Bevel gears are used for transmitting torque between

Intersecting & coplanar shafts

Non-intersecting & non-coplanar shafts

Non-parallel & non-coplanar shafts None of the above

11. Expansion process in Otto cycle lasts from TDC to BDC

30 degrees before TDC till 50 degrees before BDC

30 degrees after TDC till 50 degrees after BDC none of the above

12. Which type of thread is more effective for power transmission in one direction?
a. square b. acme c. buttress

13. The state of a liquid during evaporation is
a. vapour b. steam c. water vapour

14. Throttle valve is used in steam engines to
control pressure of steam
control volume of steam
control temperature of steam none of the above

APTITUDE:

12 members to be allotted for line and staff function (4 questions)

6 members to be allotted for shifts on 6 consecutive days (4 questions)

Passage on general statements regarding preventive medicine was given. Then some statements were given. We have to find out whether they are definitely true or probably true or probably false or definitely false (4 questions)

Questions like--- All radios are electric goods. All electric goods are table lamps. Then which of the following is true?

One more question similar to previous one. Answers were Statement 1 follows or Statement 2 follows or both follows or none follows.

Passage was given on investment of Tata Motors. Then a statement was given. We have to tell whether the decision is correct or not correct.

Question on data interpretation. Table was given on per capita expenditure for oil, minerals, food, milk, etc. (4 questions)

Question on data interpretation. Chart and table on rural and urban area consumption, expenditure for 1973, 1978, 1983 was given. (4 questions)