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| Question | MCQ- It is multiple choice question. It has only one option as correct.  A linearly elastic and perfectly plastic material is loaded slightly above the proportionality limit. This will lead to \_\_\_\_\_\_\_\_\_ | |
| Type | MCQ | |
| Option | (a) Fracture | correct |
| Option | (b) Small deformation | incorrect |
| Option | (c) Large deformation | incorrect |
| Option | (d) Cracking | incorrect |
| Solution | Explanation coming soon | |
| Marks | 1 | 0 |

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| Question | MCQ- It is multiple choice question. It has only one option as correct. It is also having OMML equations and images.  The figure shows arrangements of springs. The*y* have stiffnesses and as marked. Which of the following arrangements offers a stiffness = | | |
| Type | MCQ | | |
| Question | The surface integral over the surface of the sphere , where and is the unit outward surface normal, yields \_\_\_   |  |  | | --- | --- | | **Instrument** | **Measurement** | | A. Pilot tube | 1. r.p.m. of a shaft | | B. McLeod Gauge | 2. Displacement | | C. Planimeter | 3. Flow velocity | | D. LVDT | 4. Vacuum | |  | 5. Surface finish | |  | 6. Area |   \_\_\_\_\_\_\_\_\_\_. | |
| Type | NAT | |
| Option | range(29:31) |  |
| Solution | Explanation coming soon | |
| Marks | 1.67 | 0.33 |