

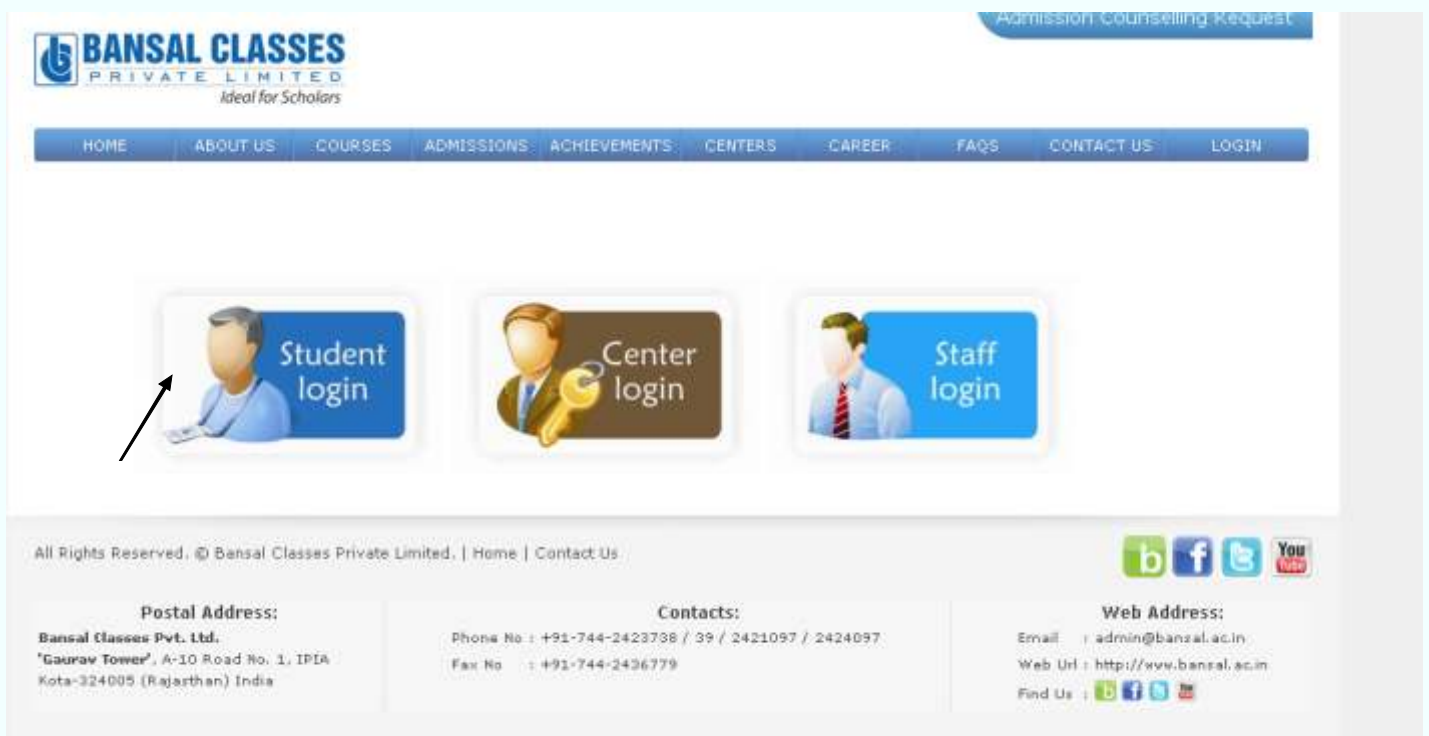
Guidelines for Video Solution - ACC Package

1. Log on to bansal.ac.in/edu



The screenshot shows the website's header with the logo and tagline. A navigation bar contains links for HOME, ABOUT US, COURSES, ADMISSIONS, ACHIEVEMENTS, CENTERS, CAREER, FAQs, CONTACT US, and LOGIN. An arrow points to the LOGIN link. Below the navigation bar is a banner image of students. The 'Streams' section features three boxes: Engineering (JEE Main & Advanced) for class XI, XII and XII Pass; Pre Medical (NEET and AIMS) for class XI, XII and XII Pass; and NEEV (Pre Foundation) for class IX and X.

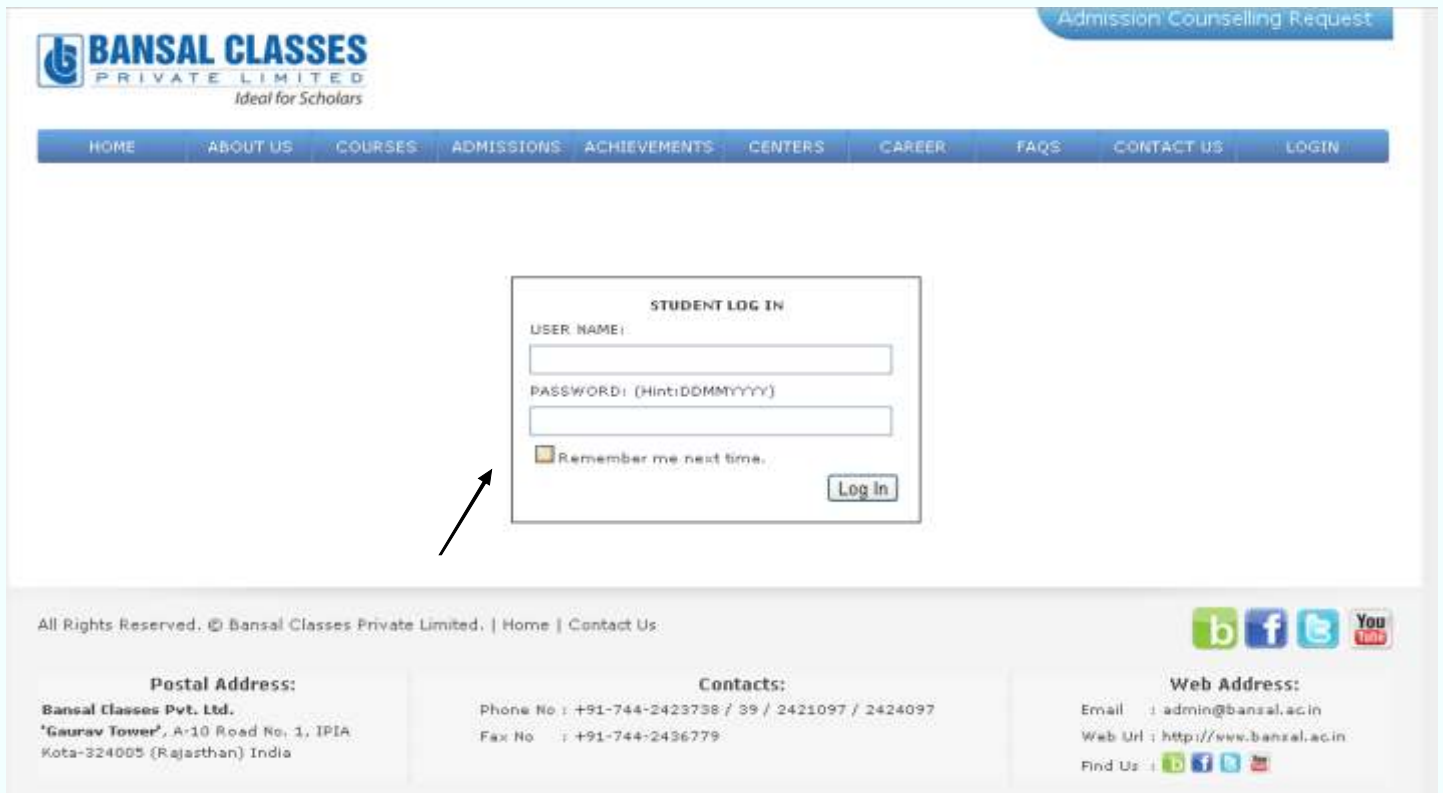
2. Go to student Login



The screenshot shows the website's login section. It features three buttons: 'Student login' (with an arrow pointing to it), 'Center login', and 'Staff login'. The footer contains contact information, including postal address, phone and fax numbers, and web address, along with social media icons for Facebook, Twitter, and YouTube.

3. Login with your id and password

Your BC Roll No/ Registration No. is your ID and default password is your Date of Birth



The screenshot shows the Bansal Classes Private Limited website. The header includes the logo and tagline "Ideal for Scholars". A navigation menu contains links for HOME, ABOUT US, COURSES, ADMISSIONS, ACHIEVEMENTS, CENTERS, CAREER, FAQs, CONTACT US, and LOGIN. A blue button in the top right corner says "Admission Counselling Request".

The main content area features a "STUDENT LOG IN" form with the following fields:


- USER NAME: [text input]
- PASSWORD: (Hint:DDMMYYYY) [text input]
- Remember me next time.
- Log In button

An arrow points to the "Remember me next time" checkbox.

The footer contains contact information:

- Postal Address:** Bansal Classes Pvt. Ltd., 'Gaurav Tower', A-10 Road No. 1, IPIA, Kota-324005 (Rajasthan) India
- Contacts:** Phone No : +91-744-2423738 / 39 / 2421097 / 2424097; Fax No : +91-744-2436779
- Web Address:** Email : admin@bansal.ac.in; Web Url : http://www.bansal.ac.in; Find Us : [social media icons]

4. Go to Digital solution Link



The screenshot shows the Bansal Classes Private Limited website with a navigation menu containing HOME, ABOUT US, CENTERS, RESULTS, FAQs, and CONTACT US.

At the top, there is a "Student Name" input field and a "Welcome" message with a "Logout" link.

The main content area is divided into several sections:

- Latest News:** Latest News 01 **new!**, Latest News 02, Latest News 03, Latest News 04, Latest News 05
- General:** Tips and Guidelines, Information about Exams, Bansal Test Prep, Request for Lost ID Card, Request for Additional Material
- Academic:** Digital Solution (highlighted with an arrow), Time Table, Session Plan, Papers and Solutions, Student Performance Report (SPR)
- Information:** Download, FAQs
- Circular / Notification / Errata:** Circular, Notification, Errata
- Feedback:** Feedback Form for Student, Feedback Form for Parents

5. Enter the question code which is written below each question

BANSAL CLASSES
PRIVATE LIMITED
Ideal for Scholars

HOME ABOUT US CENTERS RESULTS FAQ CONTACT US

Student Name : Welcome : [Logout](#)

Enter Question Code

Steps for View Digital Solution.

- Step I : Select Subject
- Step II : Enter Question Code
- Step III : Press Submit Button

Instruction : Press T on your keyboard to view or hide the solution.

| | | | | | | | |
|-----------|-------|------------|--------|----------|---------------|----------|----------|
| Ahmedabad | Ajmer | Aurangabad | Bhilai | Dehradun | Gangapur City | Guwahati | Haldwani |
| Jaipur | Jammu | Korba | Kota | Meerut | Nagpur | Pune | Thane |

6. After uploading the text wait for complete buffering of audio. (Note: Audio buffering is displayed in black line above controls button.)

$MgR = I\alpha \dots (1)$

$\alpha = \frac{g}{2R}$

Tangential acceleration of COM,
 $a_T = \left(\frac{R}{\cos\theta}\right) \cdot \frac{g}{2R} = \frac{g}{2\cos\theta}$

$a_R = 0$

Along Radial, $a_R = 0$
 $N_1 = mg \sin\theta$

Along Tangential,
 $mg \cos\theta = N_2 = ma_T$
 $N_2 = mg \cos\theta - \frac{mg}{2\cos\theta}$


NET $N = \sqrt{N_1^2 + N_2^2}$

$2IA = I\omega^2 + (2M)R^2$
 $= 2MR^2 + 2MR^2$
 $IA = 2MR^2$

0:00 / 5:27

7. Click play button for watching and listening complete solution from starting.

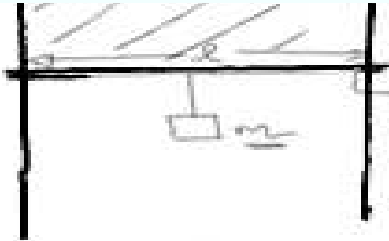
$\rightarrow F_{net} = 0$ is being pulled by molecules below it
 Because of this pulling force, surface (free surface) of fluid acts like a tight membrane



Surface Tension is because of the pulling forces
 \Rightarrow Energy - Bulk molecules will have smaller PE \Rightarrow more attractive forces

Video player controls: play button (indicated by an arrow), volume, 4:18 / 47:47, slide, 1, full screen.

8. If you want to watch the solution from a particular point than browse the cursor to that part of the solution, a "Red Dot" will appear. Click that area and you will be able to start the solution from that part.



If slider is released then this gets pulled by the film

$F \propto l$ (F - Pulling force)
 $F = T \cdot l$
 \hookrightarrow surface tension
 $T = \frac{F}{l}$ = pulling force per unit length
 $F = T \cdot l$

{ Any film will always have two surfaces - front & back surfaces

A red dot is marked on the text "If slider is released" with an arrow pointing to it.

9. Press 'T' to hide or display the back ground Text.

$\frac{1}{2L}$

$$T = \frac{F}{l} = \frac{N}{m} \quad (\text{SI unit})$$

$$= \frac{\text{dynes}}{\text{cm}} = \text{dynes cm}^{-1} \quad (\text{CGS unit})$$

① $\frac{N}{m} = \frac{10^5 \text{ dynes}}{100 \text{ cm}} = 10^3 \text{ dynes cm}^{-1}$

• water $T = 72 \text{ dynes/cm}$
 $= 72 \times 10^{-3} \text{ N/m}$

• Hg(l) $T = 487 \text{ dynes/cm}$

T depends on
 ① temp

10. To navigate through pages use "yellow triangle" on control bar. (Note: we will directly start the video from any page for solution of a particular part of a question.)

Torque equation about A,
 (Enggoso) $\left[\frac{R}{\cos\theta} \right] \cdot I\alpha =$
 $mgR = I\alpha \cos\theta \dots (1)$
 $\alpha = \frac{g}{2R}$

Tangential acceleration
 of Com,
 $a_t = \left(\frac{R}{\cos\theta} \right) \cdot \frac{g}{2R} = \frac{g}{2\cos\theta}$

Along Radial, $a_r = 0$
 $N_1 = mg \sin\theta$

Along Tangential,
 $mg \cos\theta = N_2 \cdot \frac{m a_t}{g}$
 $N_2 = mg \cos\theta - \frac{m g}{2\cos\theta}$

Net $N = \sqrt{N_1^2 + N_2^2}$

Video player control bar: 0:00 / 5:27, with a yellow triangle icon highlighted by an arrow.

9. Press 'M' to mute audio sound.

10. To enlarge the text size make right click and select the Zoom In option.

Contact for More Details: Tel No.: +91 95710-42038 | Web: www.bansal.ac.in/acc | E-mail : acc@bansal.ac.in

Corporate Office: Bansal Classes Pvt. Ltd., A-10, "Gaurav Tower", Road No.1, IPIA, Kota (Rajasthan)-324005

Website: www.bansal.ac.in | www.bansaltestprep.com | E-mail: admin@bansaltestprep.com

Helpline No.: 08003045222, 08003046222, 08003018222, 0744-2423738/39, 2421097, 2424097 | SMS: BCPL <SPACE> ENQ to 56161

www.blog.bansaltestprep.com | www.facebook.com/bansalkota | www.twitter.com/bcplkota | www.youtube.com/bcplkota