

## Highlight on Computers and Information Technology- Expected Questions 2017Part-1 (Download PDF)

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We will be covering the important questions and topics for competitive examinations for 2017 related to Defense and related policies. As per video tutorials and lectures at [YouTube@Examrace](#)

Find this video at: <https://www.youtube.com/video/Hr-ePIwWm2w>

### **Expected Questions on Computers and IT: IAS/NET 2017**

#### HAWK EYE

- Complex computer system
- Used in sports like cricket, tennis, Gaelic football, hurling and association football, to visually track the trajectory of the ball and display a record of its statistically most likely path as a moving image.
- Developed in the United Kingdom by Dr. Paul Hawkins
- Implemented in 2001 for television purposes in cricket
- Works with six or seven high-performance cameras, positioned on underside of the stadium roof to track ball from different angles.
- The video is then triangulated and combined to create a three-dimensional representation of the ball trajectory
- It is accurate to within 5 mm
- Trusted as an impartial second opinion in sports.

*Image of How the Hawk-Eye System Works*

## Community Radio

- Third model of radio broadcasting in addition to commercial and public broadcasting
- Operated, owned, and influenced by the communities they serve.
- Non-profit & enable individuals, groups, and communities to tell their own stories, to share experiences
- India: Campaign to legitimize community radio began in the mid-1990s
- SC Judgment of 1995 that “airwaves are public property“
- 2002: Policy for the grant of licenses to set up of Community Radio Stations to well established educational institutions including IITs/IIMs.

## Big Data And Cloud Computing

### **Big Data**

- Deals with the content

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- Data is generated due to technological growth & digitization, social media, web-pages, YouTube etc
- To process this structured, semi-structured and un-structured data

### **Cloud Computing**

- Deals with the infrastructure
- Provides IT resources as a service
- Elastic and flexible in nature
- Used in BIG data analytics due to its application sharing and cost effective properties

*Image of Global Information Storage Capacity in Bytes*