

## **CURRENT AFFAIRS OF JANUARY 2016**

### **Persons**

A commemorative coin of Rs. 150 and a circulation coin of Rs. 10 were released by the Govt of India in commemoration of 150th birth anniversary of – **Lala Lajpat Rai**

The ultra marathon runner from Australia who is leading the 4,600-kilometer-long run, called "Spirit of India" run from Kanyakumari to Kashmir – **Pat Farmer**

The senior revenue service officer who has been chosen as the next chairman of Central Board of Direct Taxes (CBDT) – **Atulesh Jindal**

The Democratic Progressive Party candidate who has been elected to become the first woman President of Taiwan in the recently held 2016 General Elections – **Tsai Ing-wen**

The 1975 Gujarat cadre IAS officer who has taken over as the new Chairperson of Competition Commission of India – **Devender Kumar Sikri**

The film director and screen writer who has been chosen to head the committee constituted by the Govt of India for Holistic interpretation of the provisions of the Cinematograph Act/ Rules – **Shyam Benegal**

The first female amputee to conquer Mt. Everest who has also become the first female amputee to conquer 5 summits (of 7 summits of 7 continents) by conquering Mt. Aconcagua in the Andes mountain range – **Arunima Sinha**

The UK born singer, musician and pianist of Pakistani descent who has been granted the citizenship of India on 01 Jan 2016 – **Adnan Sami**

### **Persons - Obituary**

The American cognitive scientist in the field of artificial intelligence (winner of 1969 Turing Award) who passed away on 24 January 2015 – **Marvin Minsky**

The renowned classical dancer, choreographer and the founder of the Darpana Academy of Performing Arts who passed away on 21 Jan 2015 – **Mrinalini Sarabhai**

The two-time Chief Minister of Jammu and Kashmir and former Home Minister of India who passed away on 07 Jan 2016 – **Mufti Mohammed Sayeed**

The 38th Chief Justice of India who passed away on 04 January 2016 (CJI from 05 August 2003 to 17 December 2003) – **S.H. Kapadia**

The former General Secretary of Communist Party of India who passed away on 02 Jan 2015 – **Shri AB Bardhan**

## Awards

The veteran wildlife film maker who has been awarded the V Shantaram Lifetime Achievement Award at the inaugural ceremony of Mumbai International Film Festival 2016 – **Naresh Bedi**

The Chief Minister of Bihar who has been chosen for the K Veeramani Award for Social Justice 2015 for his contribution towards social justice by Periyar International, a Chicago-based voluntary organisation – **Nitish Kumar**

The book written by Nisid Hajari which has been awarded the 2016 William E. Colby Award – **Midnight's Furies: The Deadly Legacy of India's Partition**

The veteran Bollywood actress who has been honoured with the third Yash Chopra Memorial Award – **Rekha**

The Indian novelist and journalist who has been awarded the 2016 DSC Prize for South Asian Literature for her novel Sleeping on Jupiter – **Anuradha Roy**

## Sports

The team India has defeated to win the first T20 Blind Cricket Asia Cup in Kochi, Kerala – **Pakistan**

The Indian badminton player who has won the Malaysia Masters Grand Prix Gold Women's Singles title defeating Scotland's Kristy Gilmour in the finals (Lee Chong Wei of Malaysia won the Men's Singles title) – **P.V. Sindhu**

The teams which have won the National Basketball Championship men's and women's titles respectively (held at Mysuru) – **Services and Railways**

The Russian chess player who has won the 14th Delhi International Open chess title ahead of runner-up Attila Czebe of Hungary – **Ivan Popov**

The Serbian tennis star who has won the Qatar Open 2016 tennis tournament defeating Rafael Nadal in the finals – **Novak Djokovic**

The Indian shooter who has been awarded the Shooter of the Tournament title in the Swedish Cup Grand Prix tournament – **Apurvi Chandela**

The 15-year old student of KC Gandhi School, Mumbai who has scored 1009 runs in 329 balls (breaking over 100-year old record of AEJ Collins's score of 628 in 1899) – **Pranav Dhanawade**

The country which has won the Hopman Cup tennis tournament held at Perth, Australia and defeating Ukraine in the finals – **Australia**

The Argentine professional footballer who has been chosen for the FIFA Ballon d'Or for the fourth time in his career – **Lionel Messi**

## Defence

The bilateral maritime exercise between the Indian Navy and Royal Navy of Oman being held from January 22 to 27 in the Arabian Sea is named – **Naseem Al Bahr**

The airbase in Bahrain at which Indian made LCA Tejas aircraft became the first Indian aircraft to participate in an international air show – **Sakhir Airbase**

The exercise conducted by the School of Artillery at Devlali on 08 & 11 January 2016, where a entire range of guns demonstrated their destructive power was named – **Ex Sarvatra Prahar**

The second ship of Project 28 (P28) class Anti-Submarine Warfare (ASW) Corvettes which was commissioned into the Indian Navy by the Chief of Naval Staff at Naval Dockyard, Visakhapatnam – **INS Kadmatt**

The operation launched by the Indian Army to neutralise terrorists at the Pathankot Air Force base in Punjab on 02 Jan 2016 was named – **Operation Dhangu Suraksha**

## Railways

The railway station from which country's first Braille-embedded train (with all reserved coaches embedded with Braille signage) has commenced its bi-weekly run to Varanasi – **Mysuru**

The railway station at which Google and Railtel have launched the first of its free high-speed public Wi-Fi services planned for 400 stations – **Mumbai Central**

The minimum time period set by IRCTC for reservation of online tickets to prevent faster booking of tickets by use of illegal software by touts – **35 seconds**

## Places

The place in Haryana where the Indian PM Shri Narendra Modi and the French President Francois Hollande jointly inaugurated the Interim Secretariat of the International Solar Alliance (ISA) – **Gurgaon**

The place from which IRNSS-1E, the fifth satellite of the Indian Regional Navigation Satellite System (IRNSS) was launched aboard PSLV-C31 on Jan 20 – **Sriharikota**

The place in Uttar Pradesh at which the President of India, Shri Pranab Mukherjee formally inaugurated Shiv Nadar University and dedicated it to the nation – **Gautam Buddha Nagar**

The place in Tamil Nadu where around 100 short-finned pilot whales were washed ashore, many of which could not be rescued leading to their death – **Toothukudi**

The state which has become the first in the country to make gender education compulsory at graduate level with the introduction of a book titled Towards a World of Equals – **Telangana**

The lake in Nellapattu Bird Sanctuary at which a 3-day flamingo festival is being organised from 09 to 11 Jan 15 – **Pulicat Lake**

The place at which Indian Space Research Organisation has decided to set up a space park allowing private industries to take up manufacturing of space system related components – **Bengaluru**

The venue of 103rd Indian Science Congress held from Jan 03 to 07 with the theme "Science and Technology for Indigenous Development of India" – **University of Mysore, Mysuru**

The place in Uttarakhand through which Friendship bus service between India and Nepal has been resumed after a gap of 27 years – **Champawat dist.**

The place in Manipur which was the epicentre of 6.8 magnitude earthquake which hit the north-eastern states killing and injuring several people – **Tamenglong**

The place in Karnataka where the Prime Minister Shri Narendra Modi has inaugurated International Conference on Frontiers in Yoga Research and its Applications with the theme Integrating Best of East with Best of West in Medical Practice – **Bengaluru**

The place in Karnataka where the Prime Minister Shri Narendra Modi has laid the foundation stone for new helicopter manufacturing unit of Hindustan Aeronautics Limited – **Tumakuru**

The southern state which has become the first in the country to legally accept electronic motor insurance policies called e-Vahan Bima – **Telangana**

The venue of the first Science Film Festival of India (SFI-FFI) to be held from 14 January and organised by Vigyan Parishad in association with Department of Science and Technology-Goa, Entertainment Society of Goa (ESG), Goa Science Centre and National Institute of Oceanography – **Goa**

### **Themes**

The theme of 6th National Voters Day observed on 25 January 2016 – **Inclusive and Qualitative Participation**

The theme of four-day long Matdaata Mahotsav organized by Election Commission of India from 14 to 17 January 2016 – **No Voter to be Left Behind**

The theme of Ministry of Development of North Eastern Region (MDoNER) Calender-2016 released by the Govt – **Rising North East**

### **Miscellaneous**

The public sector undertaking in which the Government has announced the sale of 10% of its stake through offer for sale route – **Engineers India Ltd**

The date by which the Govt of India has decided to implement BS-VI norms to regulate the output of air pollutants from internal combustion engine equipment, including motor vehicles – **01 April 2020**

The uniform four-digit emergency response number which has been launched for LPG consumers to seek help in case of a gas leakage – **1906**

## Important News in Brief - January

### Australian Open 2016

| Event           | Winner  | Runner-up   |
|-----------------|---|---|
| Men's Singles   | Novak Djokovic (Serbia)                               | Andy Murray (Great Britain)                               |
| Women's Singles | Angelique Kerber (Germany)                            | Serena Williams (USA)                                     |
| Men's Doubles   | Jamie Murray (Great Britain)<br>Bruno Soares (Brazil) | Daniel Nestor (Canada)<br>Radek Stepanek (Czech Republic) |
| Women's Doubles | Martina Hingis (Switzerland)<br>Sania Mirza (India)   | Andrea Hlavackova<br>Lucie Hradecka (Czech Republic)      |
| Mixed Doubles   | Bruno Soares (Brazil)<br>Elena Vesnina (Russia)       | Coco Vandeweghe (USA)<br>Horia Tecau (Romania)            |

### List of Cities to be developed as Smart Cities

|                          |  |
|--------------------------|--|
| 1. Bhubaneswar, Odisha   | 11. Indore, M.P.                           |
| 2. Pune, Maharashtra     | 12. New Delhi Municipal Corporation, Delhi |
| 3. Jaipur, Rajasthan     | 13. Coimbatore, T.N.                       |
| 4. Surat, Gujarat        | 14. Kakinada, A.P.                         |
| 5. Kochi, Kerala         | 15. Belagavi, Karnataka                    |
| 6. Ahmedabad, Gujarat    | 16. Udaipur, Rajasthan                     |
| 7. Jabalpur, M.P.        | 17. Guwahati, Assam                        |
| 8. Visakhapatnam, A.P.   | 18. Chennai, T.N.                          |
| 9. Solapur, Maharashtra  | 19. Ludhiana, Punjab                       |
| 10. Davangere, Karnataka | 20. Bhopal, M.P.                           |

### Republic Day 2016 Awards

Best Marching Contingent among the Services category – **Assam Regiment**

Best Marching Contingent among the Para-Military Forces and other auxiliary marching contingents – **Border Security Force**

Best Tableau 1st Position – **West Bengal** (which depicted the famous Baul folk singers)

Best Tableau 2nd Position – **Tripura** (on beautiful Unakoti sculptures)

Best Tableau 3rd Position – **Assam** (showcasing the popular Rongali Bihu festival)

Special prize – Tableau of **Ministry of Communication and Information Technology** on the theme 'Digital India'

Best Children Item – **South Central Zone Culture Centre, Nagpur (Maharashtra)** for performing the folk dance 'SongiMukhota' of Maharashtra.

Consolation Prize – **Sarvodaya Kanya Vidyalaya** and **Rajkiya Pratibha Vikas Vidyalaya**, Gandhi Nagar, Delhi, for their beautiful portrayal of traditional Folk Dance ‘Dal Khai’ seen in Western Odisha.

### Order of Australia to Persons of Indian Origin

Companion of the Order of Australia : **Jagdish Chennupathi** – For eminent service to physics and engineering

Member of the Order of Australia : **Jay Chandra** – For significant service to mankind in the field of ophthalmology.

Medal of the Order of Australia : **Sajeev Koshy** – For service to dentistry.

### Corruption Perceptions Index 2015

| Rank | Country  | Score |
|------|--|-------|
| 1.   | Denmark  | 91    |
| 2.   | Finland  | 90    |
| 3.   | Sweden   | 89    |
| 4.   | New Zealand  | 88    |
| 5.   | Netherlands, Norway  | 87    |
| 7.   | Switzerland  | 86    |
| 8.   | Singapore  | 85    |
| 9.   | Canada   | 83    |
| 10.  | Germany, Luxembourg, U.K.  | 81    |
| 16.  | United States  | 76    |
| 27.  | Bhutan   | 65    |
| 76.  | Bosnia and Herzegovina, Brazil, Burkina Faso, <b>India</b> , Thailand, Tunisia, Zambia | 38    |
| 83.  | Sri Lanka  | 37    |
| 117. | Pakistan   | 30    |
| 139. | Bangladesh   | 25    |
| 167. | Korea (North), Somalia   | 8     |

### Academy Awards 2016 - Scientific and Technical Achievements

#### Persons of Indian origin

**Rahul Thakkar** (alongwith Richard Chuang) for the groundbreaking design at DreamWorks Animation Media Review System.

**Cottalango Leon** (alongwith J Robert Ray and Sam Richards) for the design, engineering and continuous development of Sony Pictures Imageworks Itview

### Pradhan Mantri Fasal Bima Yojana

The Union Cabinet chaired by the Prime Minister Shri Narendra Modi has recently approved the 'Pradhan Mantri Fasal Bima Yojana' - a path breaking scheme for farmers' welfare. The new Crop Insurance Scheme is in line with One Nation – One Scheme theme. It incorporates the best features of all previous schemes and at the same time, all previous shortcomings/weaknesses have been removed.

The highlights of this scheme are as under:

- There will be a uniform premium of only 2% to be paid by farmers for all Kharif crops and 1.5% for all Rabi crops. In case of annual commercial and horticultural crops, the premium to be paid by farmers will be only 5%. The premium rates to be paid by farmers are very low and balance premium will be paid by the Government to provide full insured amount to the farmers against crop loss on account of natural calamities.
- There is no upper limit on Government subsidy. Even if balance premium is 90%, it will be borne by the Government.
- Earlier, there was a provision of capping the premium rate which resulted in low claims being paid to farmers. This capping was done to limit Government outgo on the premium subsidy. This capping has now been removed and farmers will get claim against full sum insured without any reduction.
- The use of technology will be encouraged to a great extent. Smart phones will be used to capture and upload data of crop cutting to reduce the delays in claim payment to farmers. Remote sensing will be used to reduce the number of crop cutting experiments.

### Road Safety Week - 2016

Observed from **January 11 to January 17**

Theme : **Road Safety - Time for Action**

Measures announced by the Union Govt to reduce road accidents by half by 2019

1. Constitution of the Road Safety Authority to look after overall aspects related to road safety in the country
2. Introduction of the Road Transport and Safety Bill in the Parliament to seamlessly develop a secure, efficient, cost-effective, sustainable and inclusive transport system for the movement of passenger and freight in the country
3. Between 2015 and 2019, a total of 11,000 crore rupees will be spent to fix the block spots across the country
4. Airbags will be made compulsory in every car
5. Computers will be used for conducting driving tests to curb irregularities in issuing licenses.

### 73rd Golden Globe Awards

Best Picture (Drama) – **The Revenant**

Best Picture (Musical or Comedy) – **The Martian**

Best Director – **Alejandro G. Inarritu (The Revenant)**

Best Actor (Drama) – **Leonardo DiCaprio (The Revenant)**

Best Actor (Musical or Comedy) – **Matt Damon (The Martian)**

Best Actress (Drama) – Brie Larson (Room)

Best Actress (Musical or Comedy) – Jennifer Lawrence (Joy)

Best Supporting Actor – Sylvester Stallone (Creed)

Best Supporting – Kate Winslet (Steve Jobs)

### **BCCI Awards - 2015**

Col. C.K. Nayudu Lifetime Achievement Award – **S. M. H. Kirmani**

Polly Umrigar Award – **Virat Kohli**

Lala Amarnath Award for the Best All-Rounder in the Ranji Trophy, 2014-15 – **Jalaj Saxena** of Madhya Pradesh C A

Lala Amarnath Award for the Best All-Rounder In Domestic Limited-Overs Competitions, 2014-15 – **Deepak Hooda** of Baroda C A

Madhavrao Scindia Award – Highest Scorer in the Ranji Trophy In 2014-15 – **Robin Uthappa** of Karnataka

Madhavrao Scindia Award – Highest Wicket-Taker in the Ranji Trophy In 2014-15 – **R Vinay Kumar** of Karnataka

Madhavrao Scindia Award – Highest Wicket-Taker in the Ranji Trophy In 2014-15 – **Shardul Thakur** of Mumbai

M.A. Chidambaram Trophy – Best under-23 cricketer of 2014-15 – **Almas Shaukat** of Uttar Pradesh

M.A. Chidambaram Trophy – Best under-19 CRICKETER OF 2014-15 – **Anmolpreet Singh** of Punjab

M.A. Chidambaram Trophy – Best under-16 CRICKETER OF 2014-15 – **Shubman Gill** of Punjab

M.A. Chidambaram Trophy – Best Woman Cricketer (SR) OF 2014-15 – **Mithali Raj** of Railways

M.A. Chidambaram Trophy – Best Woman Cricketer (JR) OF 2014-15 – **Devika Vaidya** of Maharashtra

Best Umpire In Domestic Cricket In 2014-15 – **O Nandan**

Best Overall Performance in 2014-15 – **Karnataka State Cricket Association**



### PAN Card made mandatory

With effect from 01 January 2016

1. For all transactions in excess of Rs.2 lakh, regardless of the mode of payment.
2. In the case of immovable property limit raised from Rs.5 lakh to Rs.10 lakh.
3. In the case of hotel or restaurant bills paid at any one time, and for bills on account of overseas travel the limit has been raised from Rs. 25,000 to Rs.50,000.
4. For purchase or sale of shares of an unlisted company the limit has been raised from Rs. 50,000 to Rs.1 lakh.

### Presidential Assent to important Laws

**The Atomic Energy (Amendment) Act :** The amendment allow state-run Nuclear Power Corporation of India Ltd (NPCIL) to have collaboration with other public sector undertakings in the nuclear field. At present, only two PSUs — NPCIL and Bhartiya Nabhikiya Vidyut Nigam Limited (BHAVINI), which are under the administrative control of the Department of Atomic Energy, operate nuclear power plants in the country. The law has amended the 1962 Atomic Energy Act to change the definition of government company in the Act with a view to expand its scope.

**The Payment of Bonus (Amendment) Act, 2015 :** The amendment provides for enhancing monthly bonus calculation ceiling to Rs 7,000 per month from the existing Rs 3,500. It also enhances the eligibility limit for payment of bonus from Rs 10,000 per month to Rs 21,000 per month.

**Arbitration and Conciliation (Amendment) Act, 2015 :** As per the amendment, an arbitrator will have to settle a case within 18 months. After the completion of 12 months, certain restrictions will be put in place to ensure that the arbitration case does not linger.

**Scheduled Castes and the Scheduled Tribes (Prevention of Atrocities) Amendment Act, 2015 :** The Act states that any intentional touching of an SC or ST woman in a sexual manner without her consent, using words, acts or gestures of a sexual nature, dedicating her as a devadasi to a temple, or any similar practice will be considered an offence.

### Current Affairs Questions

1. From which of the following stations was India's first Braille embedded train flagged off recently?  
(a) Secunderabad      (b) Mysuru      (c) Vadodara      (d) Jaipur
2. In which state was the Orange Festival of Adventure and Music held recently?  
(a) Manipur      (b) Nagaland      (c) Assam      (d) Arunachal Pradesh
3. Who of the following has been awarded the Col C.K. Nayudu Lifetime Achievement Award for 2015 by the BCCI?

(a) S.M.H. Kirmani      (b) Karsan Ghavri      (c) Manoj Prabhakar      (d) M Azharuddin

4. Zika virus which has caused panic in some South American countries and has also been linked to Microcephaly among new-borns is transmitted by which of the following?

(a) Housefly      (b) Mosquitoes      (c) Pigs      (d) Dogs

5. To which country does the Australian Open Women's Singles titles winner Angelique Kerber belong?

(a) U.S.A.      (b) Spain      (c) Germany      (d) Belarus

6. Which company has recently appointed Mr. Abid Ali Neemuchwala as the new CEO?

(a) Infosys      (b) Wipro      (c) Reliance      (d) Maruti Suzuki

7. Quoting PAN card number has been mandatory in respect of certain transactions from 01 Jan 16. In which of the following is quoting PAN number not mandatory?

(a) All transactions in excess of Rs. 2 lakhs

(b) Hotel bills in excess of Rs. 50,000.

(c) Transactions in immovable property in excess of Rs. 10 lakhs

(d) Purchase and sale of shares of unlisted company in excess of Rs. 50,000.

8. The Govt has announced the closure of unviable units of which of the following public sector undertaking?

(a) HMT      (b) IDPL      (c) ECIL      (d) BEL

9. Which of the following is the 4-digit emergency response number for LPG consumers to seek help in case of gas leakage?

(a) 1956      (b) 1096      (c) 1906      (d) 1098

10. Netflix which launched its operations in India recently is a company providing on-demand Internet streaming media based in -

(a) France      (b) United Kingdom      (c) United States      (d) Germany

11. Pranav Dhanawade is associated with which of the following sports?

(a) Volley Ball      (b) Cricket      (c) Football      (d) Tennis

12. What percentage of constable level posts in CRPF and CISF would be reserved for women as per the new notification of the Govt?

(a) 15%      (b) 33%      (c) 40%      (d) 45%

13. Which of the following was awarded the Best Marching Contingent among Para-military forces and other auxiliary marching contingents at the Republic Day celebrations of 2016?

- (a) ITBP                      (b) Assam Rifles                      (c) CISF                      (d) BSF

14. In which state is the annual fair Malegaon Yatra held?

- (a) Maharashtra                      (b) Gujarat                      (c) Chhattisgarh                      (d) Madhya Pradesh

15. Which of the following countries is not at the same rank as India in the Corruption Perceptions Index released by Transparency International recently?

- (a) Thailand                      (b) Zambia                      (c) Nigeria                      (d) Brazil

16. Where is the Central Institute for Research on Buffaloes located?

- (a) Patiala                      (b) Karnal                      (c) Hisar                      (d) Gurgaon

17. Naseem Al Bahr was a bilateral maritime exercise held recently between the Navies of India and

- (a) Kuwait                      (b) Oman                      (c) Iran                      (d) Turkey

18. With which of the following sports are Amalraj and Manika Batra associated?

- (a) Table Tennis                      (b) Cycling                      (c) Badminton                      (d) Squash

19. For which of her novels has Anuradha Roy been awarded the 2016 DSC Prize for South Asian Literature?

- (a) The Folded Earth                      (b) Sleeping on Jupiter                      (c) Family Life                      (d) The Lives of Others

20. Ouagadougou, the city which was witness to a hotel attack by terrorists in which about 25 people were killed, is the capital of -

- (a) Burkina Faso                      (b) Togo                      (c) Benin                      (d) Ghana

21. Lionel Messi has been awarded the Ballon d'Or this year for the \_\_\_\_\_ time in his career

- (a) First                      (b) Second                      (c) Third                      (d) Fourth

22. What was the name given to the operation carried out by the Indian Army to neutralise terrorist attack at Pathankot air base in Punjab?

- (a) Dhangu Suraksha                      (b) Sarvatra Prahar                      (c) Tahash-Nahash                      (d) Vayu Abhiyaan

23. The ancestral home of which Indian film personality in Peshawar was in news recently for being partially demolished?

- (a) Dilip Kumar                      (b) Raj Kapoor                      (c) Sunil Dutt                      (d) Dharmendra

24. By which year has the Govt of India decided to implement BS-VI norms to regulate the output of air pollutants from motor vehicles?

- (a) 2018                      (b) 2019                      (c) 2020                      (d) 2021

25. Which three states observe their formation day on January 21?

- (a) Meghalaya, Manipur and Tripura                      (b) Meghalaya, Manipur and Mizoram  
(c) Assam, Manipur and Nagaland                      (d) Assam, Tripura and Mizoram

26. Which of the following cities hosted the 103<sup>rd</sup> Indian Science Congress held recently from Jan 03 to 07?

- (a) Coimbatore                      (b) Mumbai                      (c) Cuttack                      (d) Mysuru

27. For infrastructure development in which two Indian cities have India and Asian Development Bank signed \$80 million agreement recently?

- (a) Dehradun and Amritsar                      (b) Patna and Varanasi  
(c) Surat and Vadodara                      (d) Agartala and Aizwal

28. The year 2016 has been declared by the United Nations Organisation as the International Year of \_\_\_\_\_.

- (a) Pulses                      (b) Quinoa                      (c) Fruits                      (d) Papaya

29. Which of the following states has become the first in the country to make gender education compulsory at graduate level?

- (a) Kerala                      (b) Telangana                      (c) Delhi                      (d) Goa

30. Who of the following was awarded the Man of the Series in the recently concluded ODI series between India and Australia?

- (a) Virat Kohli                      (b) R Ashwin                      (c) Rohit Sharma                      (d) Shikhar Dhawan

### **Answers**

1. (b) 2. (d) 3. (a) 4. (b) 5. (c) 6. (b) 7. (d) 8. (a) 9. (c) 10. (c) 11. (b) 12. (b) 13. (d)  
14. (a) 15. (c) 16. (c) 17. (b) 18. (a) 19. (b) 20. (a) 21. (d) 22. (a) 23. (b) 24. (c) 25. (a) 26. (d)  
27. (d) 28. (a) 29. (b) 30. (c)