

## GENERAL STUDIES

Time Allowed : Three Hours

Maximum Marks : 100

### INSTRUCTIONS

*Candidates should attempt ALL questions,  
unless otherwise directed.*

*The number of marks carried by each question  
is indicated for the question.*

*Answers must be written only in ENGLISH.*

*All parts/sub-parts of a question being  
attempted must be completed before moving on  
to the next question.*

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1. Answer any **four** of the following in about 250 words each : 10×4=40
- (a) Write a note on the history of census operations in pre-independent India.
  - (b) Compare and contrast the 'capability approach' (of Amartya Sen) with the 'capabilities approach' (of Martha Nussbaum) towards well-being and development.
  - (c) Critically comment on the extent, scope, and implications of Non-Communicable Diseases (NCDs) in India.

- (d) Comment on the salient features of the Global Hunger Index (GHI) report of 2012 with special reference to India.
- (e) Examine the sources and scope for the use of renewable energy in India.

2. Answer any **six** of the following in about 100 words each : 5×6=30

- (a) Evaluate the role of bio-diversity parks in the conservation of wildlife.
- (b) Comment on the features of the proposed National Investment Board (NIB) in the country.
- (c) What are the features of the new visa regime between India and Pakistan signed recently ?
- (d) Bring out the significance of the Right to Constitutional Remedies as guaranteed in the Constitution.
- (e) What are the functions mandated to be performed by the Union Public Service Commission (UPSC) ?
- (f) Comment on the recent milestones and the proposed initiatives of the Indian Space Research Organisation (ISRO).
- (g) What were the salient features of the Government of India Act of 1935 ?

3. Answer any **six** of the following in less than 50 words each :  $3 \times 6 = 18$

- (a) In the context of motions moved in Parliament, what is a 'cut motion' and what are its types ?
- (b) What do you understand by the term 'counter-urbanisation' in the Indian context ?
- (c) Bring out the concept and salient highlights of Forensic Auditing (FA).
- (d) What are Support Vector Machines (SVMs) and what are their important applications ?
- (e) What is the significance of qubits in computing ? Mention any recent significant advances in this area.
- (f) Comment on the work for which Alvin Roth and Lloyd Shapley have won the 2012 Nobel Prize in Economics.
- (g) Comment on the applications of the linkages of Global Positioning System (GPS) technology with Geographical Information Systems (GISs).

4. Why have the following been in the news recently ?  
Answer in not more than a sentence or two each :  $1 \times 12 = 12$

- (a) William 'Bill' Moggridge
- (b) Raghuram Rajan
- (c) Lance Armstrong
- (d) Bo Xilai

- (e) Michelle Catherina
- (f) Hugo Chavez
- (g) Michael Phelps
- (h) Agnello Dias and Santosh Padhi
- (i) Girish Kulkarni
- (j) Jeet Thayil
- (k) Kapila Vatsyayan
- (l) Irom Sharmila Chanu