

**PSCSCC MAINS EXAMINATION-2015**  
**GENERAL STUDIES (PAPER-IV)**

Maximum Marks: 250

Time Allowed: Three Hours

**INSTRUCTIONS**

Please read the following instructions carefully before attempting questions:

- a) There are fifteen (15) Questions.
- b) There are ten (10) Questions of fifteen (15) marks each. There are five (05) Questions with two (02) sub-parts each and each sub-part is of ten (10) marks.
- c) All questions are compulsory.
- d) Word limit for each question is mentioned with the question. Candidates are strongly advised to adhere to the specified word limit.
- e) Answers must be written in the medium authorised in the Admission Certificate which must be stated clearly on the cover of the answer book. No marks will be given for answers written in a medium other than the one authorised.
- f) Each question along with its parts and sub-parts is required to be attempted only in the space specifically allotted to it in the answer book as indicated below:-

|     |              |      |               |      |               |
|-----|--------------|------|---------------|------|---------------|
| Q.1 | Pages 1 – 2  | Q.6  | Pages 11 – 12 | Q.11 | Pages 21 – 22 |
| Q.2 | Pages 3 – 4  | Q.7  | Pages 13 – 14 | Q.12 | Pages 23 – 24 |
| Q.3 | Pages 5 – 6  | Q.8  | Pages 15 – 16 | Q.13 | Pages 25 – 26 |
| Q.4 | Pages 7 – 8  | Q.9  | Pages 17 – 18 | Q.14 | Pages 27 – 28 |
| Q.5 | Pages 9 – 10 | Q.10 | Pages 19 – 20 | Q.15 | Pages 29 – 30 |

- g) The space corresponding to any unanswered questions will be marked with a cross.

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- Q.1 Discuss the role of Information Technology in the protection of environment. (200 words)
- Q.2 Describe the salient components of India's space programme. (200 words)
- Q.3 What do you mean by genetically modified foods? What are the controversies related to GM foods? (200 words)
- Q.4 Discuss the various government schemes to curb common infectious diseases in human beings. (200 words)
- Q.5 Explain the following:
- a) How do stem cells play an important role in procuring human tissues? (100 words)
  - b) What is heavy water? Discuss its utility. (100 words)
- Q.6 Write short notes on the following: (100 words)
- a) Google's Loon Project (100 words)
  - b) Bio-energy
- Q.7 The intensity of earthquakes in Nepal and in Hindukush was nearly equal at Richter scale but the Nepal earthquake was more disastrous in comparison to Hindukush. Why? (200 words)
- Q.8 Indiscriminate use of chemical fertilizers in Punjab villages has reportedly pushed the State to the brink of health hazards like Blue Baby Syndrome and Cancer. In your views, what is the major cause of it? (200 words)

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- Q.9 Tons of untreated solid waste/unprocessed garbage is dumped in land fill sites on the outskirts of the cities causing major health issues for nearby residents & severe environmental impacts. In your opinion, what are the health hazards related to it. (200 words)
- Q.10 You have been appointed as a Municipal Commissioner of a water deficit city. Enumerate various measures you would be taking to combat this critical issue in your city. (200 words)
- Q.11 a) In a recently held Climate Change Conference in November 2015 at Paris, France what were the salient features of the draft decision? (100 words)
- b) Why does the Eastern Coast of India experience more frequent Tsunamis in comparison to Western Coast? Discuss. (100 words)
- Q.12 Write short notes on the following:
- a) Water Pollution Abatement (Namami Gange) (100 words)
- b) Water conservation under JAL KRANTI ABHIYAN (100 words)
- Q.13 In big cities, due to shortage of land, housing patterns are changing rapidly. More and more multi-storeyed buildings are coming up and independent houses are being converted into flats, thereby aggravating the problem of sanitation, drinking water supply, traffic jams, parking and so on. In your opinion, how can these problems be tackled by the city managers? Discuss with examples. (200 words)
- Q.14 Property tax collected by the city Municipal Corporation is fairly low as compared to the potential. Only one third properties are assessed. Further, only 30% of assesseees are found to be paying tax. However, there is low political will to impose new taxes and collect taxes strictly. In your opinion how can such situations be handled and how can you as Municipal Commissioner generate the much needed resources? (200 words)
- Q.15 a) You are determined to change the state of affairs of government primary schools in your city. Poor infrastructure, low attendance of teachers and students, and corruption are some of the major issues. What will be your short term and long term action plans to improve the conditions of these schools as the SDM of the city? (100 words)
- b) Despite the availability of information about imminent riots in sensitive areas, why have the district administrators generally not been successful in foiling the intentions of rioters? Comment on the shortcomings of administrative actions. (100 words)

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