

PSCSCC MAINS EXAMINATION – 2018
GENERAL STUDIES (PAPER – IV)

Time Allowed: Three Hours

Maximum Marks:250

Instruction

Please read the following instructions carefully before attempting questions:

- a) There are fifteen (15) Questions.
- b) Marks allotted to each question are indicated against it.
- c) All questions are compulsory
- d) Word limit for each question is mentioned with the question. Candidate are instructed adhere to the specified word limit
- e) Answer must be written in the medium authorized 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 authorized.

- Q 1.** “Delhi blanketed in toxic haze has become a gas chamber.” List the major causes and possible mitigation measures. **(200 words)**
- Q 2.** What is active and passive immunization and also discuss the role of second and third generation vaccines in controlling hepatitis? **(200 words)**
- Q 3.** What were the major causes of Kerala floods and what could be the possible mitigation measures? **(200 words)**
- Q 4.** What are monoclonal antibodies and what role they can play in diagnosis and therapy of various diseases? **(200 words)**
- Q 5.** (a) Write a note on Li-Fi and differentiate between Li-Fi and Wi-Fi. **(100 words)**
(b) The discovery of graphene a form of carbon, is thought to be a wonder material, which will change the world in many ways. Write a short note on „Graphene“ and its possible impact on industry. **(100 words)**
- Q 6.** Write short notes on:
(a) Role of robotics in medical science. **(100 words)**
(b) What are cybrids? How do they differ from hybrids? **(100 words)**
- Q 7.** What is IRS (Indian Remote Sensing) satellite system and what role can it play in conservation of biodiversity and in drought monitoring and assessment. How far remote sensing has been successful in doing so? **(200 words)**
- Q 8.** What is the current status of tuberculosis in India? How drug resistance against this disease is impacting its control measures? **(200 words)**
- Q 9.** “District administration in India has lost its credibility, trust and importance in the modern times and it requires massive structural reforms and alternative arrangements.” Comment. **(200 words)**
- Q 10.** Indicate the challenges of the economic policy of India after 2014 and the initiatives taken by the Government. **(200 words)**

- Q 11.** The proposed India-Japan Asia-Africa Growth Corridor (AAGC) is being seen as a potential alternative to the One-Belt-One-Road (OBOR) initiative of China. How is the former different from the later? What will be the practical difficulties to be faced by AAGC? **(200 words)**
- Q 12. (a)** What could be the ramifications of the failure of Iran Nuclear deal on India's interest? Analyse. **(100 words)**
(b) "Reorganization of Security Council of UN is the need of the hour." Give some arguments in favour of India's claim for permanent seat in this body. **(100 words)**
- Q 13. (a)** "US is a developing country too, won't give subsidies to India and China": Donald Trump. Evaluate this statement given by the US President. Discuss the implications of the ongoing trade war propelled by the US against China and India. **(100 words)**
(b) Write about the conundrum of H-1 b Visa. Discuss the implications of newly introduced changes in its policies on Indian Diaspora in the US. **(100 words)**
- Q 14.** "Kartarpur Sahib Corridor initiative will reduce Indo-Pak tensions." Comment. **(200 words)**
- Q 15.** India is neither a signatory to the 195 United Nations Refugee Convention nor its 1967 Protocol. Evaluate India's stance on the Rohingya refugees in the country. **(200 words)**