FEDERAL PUBLIC SERVICE COMMISSION

COMPETITIVE EXAMINATION FOR
RECRUITMENT TO POSTS IN BS-17
UNDER THE FEDERAL GOVERNMENT, 2014

AGRICULTURE

Roll Number

TIME ALLOWED:	**(PART-I MCQs)**	**30 MINUTES**	**MAXIMUM MARKS: 20**
THREE HOURS	**(PART-II)**	**2 HOURS & 30 MINUTES**	**MAXIMUM MARKS: 80**

NOTE:**(i)** **Part-II** is to be attempted on the separate **Answer Book.**

(ii) Attempt **ONLY FOUR** questions from **PART-II. ALL questions carry EQUAL marks.**

(iii) Candidate must write **Q. No.** in the **Answer Book** in accordance with **Q. No.** in the **Q. Paper.**

(iv) No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.

(v) Extra attempt of any question or any part of the attempted question will not be considered.

PART-II

Q. No. 2. Discuss environmental pollution. What are the major causes of environmental pollution in Pakistan? **(20)**

Q. No. 3. How does soil productivity differ from soil fertility? What are the factors responsible for degradation of soil productivity? Suggest practical measures to improve it. **(20)**

Q. No. 4. What is the ultimate source of nitrogen in soil? Explain in detail how it is fixed and made available to the plants. **(20)**

Q. No. 5. What are genetically modified organism (GM) and GM foods? Why are GM foods produced? Mention the sound scientific basis for considering it safe for human heath. **(20)**

Q. No. 6. What are the major factors responsible of low yield of vegetables in Pakistan? What measures are necessary to increase their production? **(20)**

Q. No. 7. Describe in detail the benefits and drawbacks of fertilizer and pesticide use in Pakistan. **(20)**

Q. No. 8. Write Short notes on any **FOUR** of the following. **(5 each)** **(20)**

(a) Green house effect **(b)** Wind erosion

(c) Organic framing **(d)** Hidden hunger in crop plants

(e) Genetic factors of crop growth **(f)** Selective and non selective herbicides

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