

FEDERAL PUBLIC SERVICE COMMISSION



COMPETITIVE EXAMINATION FOR RECRUITMENT TO POSTS IN BS-17 UNDER THE FEDERAL GOVERNMENT, 2013

FORESTRY

TIME ALLOWED:	(PART-I MCQs)	30 MINUTES	MAXIMUM MARKS: 20
THREE HOURS	(PART-II)	2 HOURS & 30 MINUTES	MAXIMUM MARKS: 80
NOTE: (i) First attempt PART-I (MCQs) on separate OMR Answer Sheet which shall be taken back after 30 minutes. (ii) Overwriting/cutting of the options/answers will not be given credit.			

PART-I ((MCQs) (COMPULSORY)

Q.1. (i) Select the best option/answer and fill in the appropriate Circle ● on the **OMR Answer Sheet. (20x1=20)**
(ii) Answers given anywhere, other than OMR Answer Sheet, shall not be considered.

- Xerophytes are the plants of:
(a) Marshy land (b) Desert land (c) Rain fed land (d) None of these
- Mangrove forests are found in:
(a) Desert areas (b) Mountain areas (c) Plain areas (d) Costal areas
- Riparian vegetation is found:
(a) Away from stream or river bank (b) Along streams, canals or rivers
(c) Not found in bela forest (d) None of these
- Hardwoods are:
(a) Trees having needle shaped leaves (b) Trees having broad leaves
(c) trees having cones (d) None of these
- Pure forests have:
(a) More than 20 % trees belong to one species (b) More than 40 % trees belong to one species
(c) More than 60 % trees belong to one species (d) More than 90 % trees belong to one species
- Regeneration means:
(a) Establishment of new forest crop only through natural way
(b) Establishment of new forest crop only through artificial way
(c) Establishment of new forest crop only through natural and artificial way
(d) None of these
- Dominant trees are:
(a) Tallest and completely free crown (b) Smallest and have not completely free crown
(c) Contribution of both(a) and (b) (d) None of these
- Fir, spruce and deodar species are found in:
(a) Coniferous forest (b) scrub forest (c) Subtropical pine forest (d) None of these
- Good quality paper is manufactured from:
(a) Bamboo plant (b) Shisham tree (c) Sugarcane bogas (d) Kikar tree
- Coppice crop is obtained from:
(a) Seedlings (b) Root suckers (c) Layering (d) Old stubbles
- Resin is collected from:
(a) Fire trees (b) Deodar trees (c) Kikar trees (d) Chir trees
- The end product of tree production is usually:
(a) Leaves (b) Wood (c) Both (a) and (b) (d) None of these
- Common name of prosopis cineraria is:
(a) Babool (b) Masket (c) Frash (d) Jund

FORESTRY, PAPER-I

14. Environmental factors consists of only:
(a) Climatic factors (b) Edaphic factors (c) Biotic factors (d) Combination of all above
15. Silviculture is the science or art of :
(a) Establishing tree crop only (b) Tending of a tree crop only
(c) Perpetuating a tree crop only (d) Combination of all above
16. Forest can be defined as:
(a) Group of trees (b) Group of trees and herbs (c) Group of trees, shrubs and herbs
(d) A natural association of flora and fauna where woody vegetation dominates
17. Angiosperms are those plants in which:
(a) Seed is not enclosed in a ovary (b) Seed is enclosed in a ovary
(c) Plants which have needle like leaves (d) None of these
18. For the calculation of volume of trees only:
(a) Length of stem is recorded (b) Diameter of stem is recorded
(c) Cross sectional area of stem is recorded
(d) Cross sectional area and length of bole(stem) are recorded to multiply with each other
19. Textural class of range of soils is generally:
(a) Sandy (b) Silty (c) Clayey (d) None of these
20. Most of the range area falls in the following ecological regions:
(a) Tropical (b) Sub-tropical (c) Temperate (d) None of these

PART-II

NOTE: (i) **Part-II** is to be attempted on the separate **Answer Book**.
(ii) Candidate must write **Q. No.** in the **Answer Book** in accordance with **Q. No.** in the **Q. Paper**.
(iii) Attempt **ONLY FOUR** questions from **PART-II**. **ALL questions carry EQUAL marks**.
(iv) Extra attempt of any question or any part of the attempted question will not be considered.

- Q.2. Describe in detail the role of tree species in reclaiming saline soil. Explain different dry afforestation techniques employed successfully in Thal desert of Pakistan. (20)
- Q.3. Discuss in detail wild life and natural park management with special reference to Pakistan. (20)
- Q.4. Give detailed module of natural resource measurement and forest management. (20)
- Q.5. Discuss in detail the Principles of forest policy and its implementation strategy. (20)
- Q.6. Write the factors responsible for drastic decline of wild life in Pakistan along with brief discussion of sound wildlife management. Also give your suggestions that how wildlife can be promoted in the country? (20)
- Q.7. What are the direct and indirect causes of biodiversity loss in Pakistan? Discuss the role of protected areas in biodiversity conservation. Explain how forest and rangeland habitat is related to wildlife management and conservation? (20)
- Q.8. Write notes on any **FOUR** of the following:- (5 each) (20)
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| a) Green house effects | b) Range Management |
| c) Social forestry | d) Water shed management |
| e) Forest biography | f) Forest protection |
