



BALUCHISTAN PUBLIC SERVICE COMMISSION

Samunqli Road, Quetta Cantt.

Syllabus for the Post of Assistant Agriculture Engineer (B-17) in the Agriculture & Cooperative Department

Advt. No. : 10/2022

Qualification: B.E. Agriculture or BSc. Agriculture Engineering from a recognized University

MCQs test in the following Subjects:

1. Open Channel Hydraulics
2. Farm Power
3. Mechanics of Materials
4. Irrigation Engineering
5. Machine Design
6. Instrumentation
7. Drainage Engineering
8. GIS and Remote Sensing
9. Soil and Water Conservation Engineering
10. Farm Machinery and Earth Moving Equipment
11. Agricultural Processing Engineering

Books Recommended:

1. Chow, V.T. (1990). *Open Channel Hydraulics*. McGraw Hill International Book Company.
2. Single, R. K. 2004. *Internal Combustion Engines*. S.K.Katana & Sons, Dehli, India.
3. Muvdi, B.B. and J.W. McNabb. 2001. *Engineering Mechanics of Materials*. Macmillan Publishing Co. New York.
4. *Irrigation Engineering & Hydraulic Structures* by Santosh Kumar, Garg, 10th revised Edition, 1993.
5. Shigley, J.E. and C. R. Mischke, (2000). *Mechanical Engineering Design*. Fifth Edition. McGraw Hill Publications Inc. USA.
6. Dally, J. W. W. F. Riley and K. G. McConnel. 2003. *Instrumentation for engineering measurements*, 2nd ed. John Wiley and Sons, Inc. Singapore.
7. Ahmad, N. (1993). *Drainage of Irrigated Lands of Pakistan*, Miraj Din Press, Urdu Bazar, Lahore, Pakistan.
8. Barrett, E.C. and Curtis, L.F. 1992. *Introduction to Environmental Remote Sensing*. Chapman & Hall, London.
9. Suresh, R. 2000. *Soil and Water Conservation Engineering*. Standard publishers Distributors, 1705-B Nai Sarak, Delhi, India.
10. Kepner, R. A, R. Bainer and E. L. Barger (1978). *Principles of Farm Machinery*, AVI Publishing Company, Inc. Westport, Connecticut.
11. Pandey, H. H. K. Sharma, R. C. Chauhan, B. C. Sarkar and M. B. Bera. 2004. *Experiments in food process engineering*. CBS Publishers and distributors, New Delhi, India.