



শিক্ষক নিবন্ধন লিখিত পরীক্ষার সিলেবাস



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ড. সিদ্দিক পাবলিকেশন্স লেখক, গবেষক, শিক্ষক এবং শিক্ষার্থীদের জন্য-জ্ঞান ভান্ডার
কলেজ সিলেবাস

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কোড : ৪১৯

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1. **Soil & soil forming process:** (a) Soil and soil forming' factors, (b) Physical and chemical weathering, (c) Genesis of podsol, laterite, chernozem, saline and alkali soils. 2. Soil classification with special reference to soils of Bangladesh. 3. Soil erosion and conservation. 4. Soil texture, structure, soil water, soil temperature, soil organic matter, irrigation & drainage. 5. (a) Iron exchange capacity of soil, (b) Causes of soil acidity and alkalinity, (c) Soil reaction affecting nutrient availability in soil. 6. Liming: Liming material and effects of liming on soil properties. 7. Plant nutrition: (a) Essential plant nutrients and their availability in soil, (b) Nutrient deficiency symptoms and their functions in the plant. 8. (a) Different chemical fertilizers and organic manures, (b) Time and methods of fertilizer application. 9. Biological nitrogen fixation and soil fertility. 10. Methods of soil fertility evaluation: soil testing, critical limits and fertilizer recommendation. 11. Soil fertility problems and possible means of improvement & sustenance of soil fertility.