

WBSSC SLST পরীক্ষার্থীদের জন্য Work Education-এর Syllabus অনুসারে লিখিত আবশ্যিক পুস্তক

Complete Guide to SLST

কর্মশিক্ষা

(WORK EDUCATION)

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SYLLABUS

WORK EDUCATION (PASS) [CODE -59]

Group A

- ◆ **Unit 1:** (i) Place of Work Experience in General Education as envisaged by the Education Commission 1964-66. (ii) Concept of Socially Useful Productive Work as designed by I.B. Patel Committee.
- ◆ **Unit 2:** (i) Purpose of Work Education as an Activity-approach in the curriculum of Secondary Education in West Bengal. (ii) Difference of Work Education with Vocational Education–Pre-vocational experience.
- ◆ **Unit 3:** Bases of Work Education-philosophical, psychological and sociological. The ‘Four Pillars’ of educational foundation as determined by UNESCO’s International Commission on Education Chaired by Jacques Defors (1996). Learning to know, to do to live together and to be–Work Education integrates all these four pillars.
- ◆ **Unit 4:** Behavioral changes expected out of the Programme of Work Education–development of attitude, acquisition of skill and gaining of knowledge.
- ◆ **Unit 5:** (i) A general idea of the syllabus in Work Education prescribed for West Bengal, with a good grounding in the projects included in the syllabus at (a) the Exposure Stage and (b) the Involvement Stage. (ii) Scope for change in existing syllabus.
- ◆ **Unit 6:** Project method applied in teaching Work Education–how to integrate Discussion Method, Demonstration Method and Socialised Recitation with Project method.
- ◆ **Unit 7:** How are work projects related with other curricular subjects–need for involvement of the Headmaster, other subject teachers and parents.
- ◆ **Unit 8:** Edgar Dale’s Cone of Experience–improvised low-cost teaching aids application of other media in implementing projects.
- ◆ **Unit 9:** (i) Consideration for selecting work project in (a) urban school and (b) moffusil school (ii) Occupational exploration and field-study (iii) Utilisation of human and material resources (iv) Difficulties, if any, faced by schools in implementing work projects–suggestions for overcoming those difficulties.
- ◆ **Unit 10** (i) Assessment of procedure in Work Education–tools for evaluation-present system. (ii) Suggestions for improvement in evaluation process–feasibility or not of introducing a short written test (of, say, 20 marks) in lieu of viva-voce, of the Final Madhyamik Pariksha.

Group B

Process of growing/preparation, materials and equipments required etc. for work-projects as well as usefulness of the products, work-areas to be covered are as follows:

- ◆ **Unit 11:** Cereals (Paddy, Wheat) & Cash crop (Jute) Varieties–preparation of seedbed–sowing, drilling and transplantation–organic manure and compost making–chemical fertilizer-inter culture–irrigation and water requirements–pest and weed control–harvesting. Making of food products from cereals.

- ◆ **Unit 12:** Growing Vegetables and simple Medicinal Plants Soil fertility–major, secondary and micro-nutrients-organic manure and chemical fertilizers–tillage of seeded–manuring-sowing and transplantation–inter culture–irrigation and water requirements–disease and pest control–harvesting. Preservation of vegetables. Process of growing medicinal plants. Use of medicinal plants in our daily life.
- ◆ **Unit 13:** Flower and Fruit Plantation & Preservation Different kinds of seasonal flowers–planning of an ideal garden–soil preparation–compost making–planting, mulching, pruning and training methods of propagation–weeding. Pot culture. Use of flower and scope of marketing. Preparing & garden for fruit cultivation - preparation of jam, Jelly and pickle–food processing, preservation, and packaging.
- ◆ **Unit 14:** Tailoring & Embroidery Drafting and pattern making, cutting and construction, Cutting and finishing or underpant, pyjama, salwar, petticoat, blouse, kameez, shirt, trouser. Embroidery on garments---different stitches and application, appliqué, mirror work etc.
- ◆ **Unit 15:** Paper & Cardboard work and Making of Household Articles Materials and techniques of paper-cutting, office file, greetings cards. Book-binding: Jus stitch-Limp binding–Flash cut binding–cover wrapping binding. Household articles made from jute or bamboo; preparation of fashion goods by cloth, clay, paper or cardboard; making flower and flower-vase using plasticine; making photo-frame with waste materials; wearing of bag and making of dolls by cloth and cotton.
- ◆ **Unit 16:** Designing, Dyeing and Batik Printing Basic design and technique. Simple dyeing. Tie and dye and Batic processes.
- ◆ **Unit 17:** Fabric Printing and Screen Printing Basic designing–colour application–spray printing–stenciling. Silk Screen printing–material and techniques.
- ◆ **Unit 18:** Soap and Phenyl making Varieties of soap: hard and soft–consistency of soap–raw material: oils and fats, fatty acid, resin, caustic soda–determination of hardness through soap stock–saponification solubility ratio. Various methods of manufacture: (a) cold process (b) semi-boiled process (c) full-boiled process preparation of soft soap and phenyle.
- ◆ **Unit 19:** Household Electrical Gadgets Repairing Verification of Ohm’s Law–wires used in internal wiring–method of earthing–fitting of C.T.S. Wiring in residence–determination of fusing constant by test–conducting routine tests on the wiring insulation–location of fault–dismantling and study of parts with sketches of electrical fan, fluorescent lamp, heater, electrical iron, calling bell etc. – how to convert from AC to DC and vice-versa.
- ◆ **Unit 20:** Computer Application (a) Computer Fundamentals: Computer Generations, Block diagram of a Computer and brief description of each functional block, Input and Output devices (Keyboard, Mouse, VDU), CPU (ALU and Control Unit), Primary memory, CACHE Memory, concept of Hardware and Software, Language translators, Programming Languages, concept of Operating System, Familiarity with Operating System environment through GUI. (b) Word Processing: Creating, Editing, Formatting, Saving and Retrieving documents, checking spelling and Grammar, Finding and replacing text, creating multiple columns, inserting graphics within text, equation editor and its use, Protection using password, creating macro, Mail Merge, Printing of documents. (c) Spreadsheet: Creating, Edition, Saving and retrieving documents, creating and modifying tables, creating and generating charts using data sheet, working with equations and excel library function, Pivot table, use of hyperlink and macro in excel spread sheet, use of filter option. (d) Computer Networking: Concept about network, Network structures, LAN, MAN, WAN, Internet, broadband connection, e-mail, chatting, w.w.w. , U.R.L., D.N.S., Search engines. (e) Presentation Package: Creation of a lesson unit through presentation package.

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