19 — PRINTING TECHNOLOGY

(Answer ALL questions)

56. Image area in gravure cylinder is
1. Raised
2. Normal
3. Engraved
4. Plain surface

57. Indian standard number for smoothness / roughness of paper is
1. IS: 9894
2. IS: 1060
3. IS: 9681
4. IS: 9698

58. In corrugated boxes which flute is best for stacking strength
1. A-flute
2. B-flute
3. C-flute
4. E-flute

59. Expansion of RIP
1. Raster Image Processor
2. Recording Image Processor
3. Replace Image Program
4. Rasterizer Image Program

60. A characteristic quality that can be quantified in numerical units is
1. Measure
2. Mean
3. Mode
4. Attribute

61. The materials responsible for binding of ink on the substrate in the constituents of printing inks
1. Colorant
2. Resins
3. Additives
4. Solvents

62. ———— method is used for measuring the surface strength of paper.
1. Wax pick test
2. Gloss
3. Cobb test
4. None of the above

63. In papermaking ———— is the ratio of water to the pulp can be feed in the paper making machine.
1. 50:1
2. 99:1
3. 70:1
4. 80:1

64. The property which is very important for cigarette paper is
1. Smoothness
2. pH
3. Ash content
4. Water absorption

65. Drop on demand process in inkjet printing is also called as
1. Impulse process
2. Bubble jet process
3. Valve jet process
4. Video jet process

66. Parallel folds used is also called as
1. Accordian fold
2. Right angle fold
3. French fold
4. Buckle fold

67. Piling occurs mainly due to
1. Insufficient moisture resistance
2. Insufficient rub resistance
3. Poor loading
4. Poor sizing

68. Ink drying could be affected due to fountain solutions
1. Acidity
2. Alkalinity
3. Conductivity
4. Temperature

69. Preferred surface treatment for offset plate-making is
1. Mechanical graining
2. Electrochemical graining
3. Anodizing
4. Sand blasting

70. Paper grain direction should run parallel to the cylinder for
1. Easy folding
2. Proper feeding
3. Better printability
4. Better registration

71. What is the thickness of a normal offset plate?
1. 0.03 mm
2. 3.00 mm
3. 0.15 mm
4. 0.03 inch

72. How many sheets of 8½" × 11" could be obtained from a stock of 28" × 34"?
1. 9
2. 12
3. 10
4. 8

73. The contact pressure between the plate and blanket should no exceed.
1. 0.075 mm
2. 0.10 mm
3. 0.15 mm
4. 0.20 mm

74. To increase the print length circumferentially the print can resort to
1. Stretch the plate
2. Condition the paper
3. Increase the blanket packing
4. Increase the plate packing

75. Temporary care for a smashed blanket is to apply
1. Methyl Ethyl Ketone
2. Iso Propyl alcohol
3. Petrol
4. Benzene

76. Metallic ring in the punched hole to prevent tearing-off of the board
1. Guarding
2. Tipping
3. Eyeletting
4. Banding

77. Types and engravings are impressed into the hardcovers of the books without using ink or foil
1. Tooling
2. Blocking
3. Printing
4. Blinding

78. The sheets are folded at 1/3 or 2/3 of it length at the first folding section followed b a cross folding
1. Symmetrical right angled fold
2. Asymmetrical right angled fold
3. Concertina fold
4. Gripper edge fold

79. The principle of three knife cutting machine
1. Knife cutting against a stick
2. Knife cutting against a sleeve
3. Knife cutting against a counter collar
4. Knife cutting against a shear

80. Problem that encounter due to low clamping pressure in the cutting machine
1. Overcut
2. Undercut
3. Wavy cut
4. Bulge cut

81. A short line printed on the back of each section to view on the gathered book block
1. Signature
2. Collating mark
3. Gilding
4. Blocking

82. The type of securing method adopted for school books
1. Saddle wire stitching
2. Side wire stitching
3. Perfect binding
4. Loose leaf binding

83. The term "aseptic" refers
1. Absence of micro-organisms
2. Heat resistant
3. Water vapor
4. None of the above

84. The software used to control and validate the packaging line
1. SAP
2. GAMP
3. PRO-E
4. ANSIS

85. _____ is not a Friction-fit closure type.
1. Crown
2. Snap fit caps
3. Press on caps
4. Lug caps

86. _____ is the main condition used in food industry to present the spillage of food.
1. Temperature
2. Moisture
3. RH
4. Protective

87. _____ film is replacing the BOPP film in food packaging industry.
1. PE
2. PP
3. PLA
4. EVOH

88. Plastic material identification can be done by burning test. If the color of the flame is orange yellow and a sweet odour identified as _____ materials.
1. PS
2. PE
3. PP
4. Cellulose acetate

89. Double wall corrugated board is also called as
1. 7 ply
2. 3 ply
3. 9 ply
4. 5 ply

90. _____ tester is used to find the water absorption characteristics of the corrugated boxes used for packaging applications.
1. WVTR
2. Cobb
3. Waterproofness
4. Permeability Test

91. Procedures those inactive microorganisms in foods
1. Irradiation and Heat Processing
2. Chill Storage
3. Emulsions
4. Fermentation

92. _____ process is used for dairy products for extending the shelf life.

1. Smoking
2. Pickling
3. Sugaring
4. Fermentation

93. The type of gases used in MAP system

1. Carbon dioxide, Nitrogen, Oxygen
2. Nitrogen, Ethylene, Oxygen
3. Helium, Carbon monoxide, Oxygen
4. Ethylene, Helium, Oxygen

94. Most of the plastics crates are made up of

1. LDPE or HDPE or PP
2. HDPE or PP or PS
3. Only LDPE
4. HDPE or PP

95. MAP, is conjunction with temperature control, it extent the shelf life of _____ days for fruits and vegetables.

1. 8-20
2. 10-60
3. 15-30
4. 7-14

96. An engineering process for producing plastic items moulded under pressure

1. Injection moulding
2. Blow moulding
3. Forming
4. Pressing

97. Typical thermoforming temperatures for polystyrene blister packs are

1. 102 – 115°C
2. 120 – 130°C
3. 132 – 140°C
4. 143 – 176°C

98. Ideal method of liquid level inspection metal cans employ

1. Photo electric sensors
2. Ultrasonic
3. Laser
4. Gamma radiation

99. For a capless closure sealing that us material, such as paper or plastic the seali system employed is

1. Induction
2. Conduction
3. Laser
4. Ultrasonic

100. High degree pf precision in capping operati is achieved by employing

1. Clutch
2. Brake
3. Servo motor
4. Pneumatic

101. Carbonated liquids are filled using

1. Gravity feed
2. Tumble filler
3. Counter pressure
4. Level sensing

102. A process in which the food product is hea at a temperature and for a time period called

1. Sterilization
2. Retort
3. Steaming
4. Pasteaurizing

103. The overall line efficiency of a packaging l is estimated to be 70% and the aver production requirement is 200 bpm. Then required nominal line speed is

1. 342
2. 322
3. 286
4. 246

104. Orienting the films and heat stabilising at elevated temperature is called

1. Forming
2. Casting
3. Orienting
4. Annealing

105. Plastic films are corona treated to increase

1. Bond strength
2. Tensile strength
3. Tear strength
4. Barrier property

106. The purpose of a distribution or transportation simulation test is to evaluate

1. Oxygen transmission rate
2. Water vapour transmission rate
3. Hardness
4. Dynamic hazards

107. The basis of packaging design and performance depends on the

1. Component materials
2. Component testing
3. Engineering tolerances
4. Package printing

108. In flexography process the image areas are

1. Raised
2. Recessed
3. Same plane
4. None of the above

109. _____ inks that are commonly used in flexo process particularly suitable for packaging printing.

1. Baking inks
2. Sublimation inks
3. Water based inks
4. Liquid inks

110. _____ are primary colors in printing.

1. Blue, Green and Red
2. Yellow, Magenta and Cyan
3. White, Black and Red
4. Yellow, White and Black

111. The packaging commonly used for packing tablets, capsules and electronic gadgets

1. Blister
2. Bottle
3. Container
4. Skin

112. Glass projections inside the bottle is known as

1. Spikes
2. Bird swing
3. Pristine
4. Monolithic

113. _____ is the base pallet, strapping and wrapping used to bundle the boxes or crates for transport and distribution.

1. Transit packaging
2. Distribution packaging
3. Primary packaging
4. Consumer packaging

114. Strict monitoring of deadlines to keep tight time schedule set by customers

1. Lean Production
2. Lean Management
3. Effective Production
4. Tracking

115. _____ is used for easy opening of bags.

1. Electric eye
2. Extra forming shoes
3. Notch
4. Punched hole