

PROVISIONAL ANSWER KEY

Question 151/2023/OL

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Department Printing

Question1:-The formula to calculate the price of a printed product is

A:-Price = Cost - Profit

B:-Price = Cost + Profit

C:-Price = Cost x Profit

D:-Price = Cost / Profit

Correct Answer:- Option-B

Question2:-_____ is the technique of assessing the sale price of a printed job.

A:-Budgeting

B:-Costing

C:-Estimating

D:-Inventory

Correct Answer:- Option-C

Question3:-_____ is done after the job is completed and delivered to the customer.

A:-Costing

B:-Estimating

C:-Checking

D:-Quoting

Correct Answer:- Option-A

Question4:-_____ is a fixed cost.

A:-Electricity

B:-Repairs

C:-Paper

D:-Rent

Correct Answer:- Option-D

Question5:-The formula to calculate the unit cost of a printed book

A:-Unit Cost = (Total Fixed cost + Total Variable Cost)/No. of copies produced

B:-Unit Cost = (Total Fixed cost x Total Variable Cost)/No. of copies produced

C:-Unit Cost = (Total Fixed cost - Total Variable Cost)/No. of copies produced

D:-Unit Cost = No. of copies produced / (Total Fixed cost + Total Variable Cost)

Correct Answer:- Option-A

Question6:-_____ is an overhead expenses

A:-Material cost

B:-Labor cost

C:-Production cost

D:-Office supplies

Correct Answer:- Option-D

Question7:-To calculate the quantity of paper required for producing a job in a particular size, the formula is

A:-Paper (reams) = (No. of Pages per copy + No. of copies to be produced)/Section x 500

B:-Paper (reams) = (No. of Pages per copy x No. of copies to be produced)/Section x 500

C:-Paper (reams) = (No. of Pages per copy + Section)/(No. of copies to be produced x 500)

D:-Paper (reams) = (No. of Pages per copy x Section)/(No. of copies to be produced x 500)

Correct Answer:- Option-B

Question8:-The substance of paper (GSM), the area of one sheet (A), the no. of sheets (N). The formula to calculate the weight of sheets (W) required for the job

A:-W = (GSM x A x N)/1000

B:-W = (GSM x A)/ (N x 1000)

C:-W = (GSM + A + N)/1000

D:-W = (GSM x N)/(A x 1000)

Correct Answer:- Option-A

Question9:-The substance of paper (GSM), the width of the reel (B), the total length of paper wrapped in a reel (L). The weight of the reel (W) is calculated by

A:-W = (GSM + B + L) x 1000

B:-W = (GSM x B) x (L x 1000)

C:-W = (GSM x L) x (B x 1000)

D:-W = (GSM x B x L) x 1000

Correct Answer:- Option-D

Question10:-The formula to calculate the ink consumption for a print job

A:-($SPANKS_G$) / 355

B:-($SPANKS_G$) x 355

C:-($SPANKS_G$) /300

D:-($SPANKS_G$) x 300

Correct Answer:- Option-A

Question11:-Paste area of book in m^2 (A), No. of books (N), Coverage power of paste per kg in m^2 (P). The page required in Kg for the job is calculated by

A:- $(P \times N)/A$

B:- $(A \times N)/P$

C:- $(A+N)/P$

D:- $(P+N)/A$

Correct Answer:- Option-B

Question12:-Actual expenses incurred in a particular job is called as

A:-Cost

B:-Profit

C:-Sales

D:-Price

Correct Answer:- Option-A

Question13:-The formula to calculate the quantity of covering material required for job

A:- $(\text{No. of covers obtained from the roll} \times \text{length of covering material roll})/\text{No. of book covers}$

B:- $(\text{No. of book covers} \times \text{No. of covers obtained from the roll} / \text{Length of covering material roll})$

C:- $(\text{No. of covers obtained from the roll} + \text{Length of covering material roll}) / \text{No. of book covers}$

D:- $(\text{No. of book covers} \times \text{Length of covering material roll}) / \text{No. of covers obtained from the roll}$

Correct Answer:- Option-D

Question14:-The formula to calculate the quantity of stitching wire required for a job

A:- $(\text{no. of books} \times \text{length of wire (mm) per stitch}) / (\text{no. of stitches per book} \times \text{length of wire (m) in the coil of given gauge} \times 1000)$

B:- $(\text{no. of books} + \text{no. of stitches per book} + \text{length of wire (mm) per stitch}) / (\text{length of wire (m) in the coil of given gauge} \times 1000)$

C:- $(\text{no. of books} \times \text{no of stitches per book} \times \text{length of wire (mm) per stitch}) / (\text{length of wire (m) in the coil of given gauge} \times 1000)$

D:- $(\text{no. of books} + \text{length of wire (mm) per stitch}) / (\text{no. of stitches per book} \times \text{length of wire (m) in the coil of given gauge} \times 1000)$

Correct Answer:- Option-C

Question15:-The cost that remains constant regardless of the number of publications produced

A:-Fixed cost

B:-Variable cost

C:-Direct cost

D:-Unit cost

Correct Answer:- Option-A

Question16:-The crown size of the paper is

A:-20 x 30 inches

B:-15 x 20 inches

C:-17 x 23 inches

D:-22 x 30 inches

Correct Answer:- Option-B

Question17:-_____ is a variable cost.

A:-Paper cost

B:-Typesetting cost

C:-Plate preparation cost

D:-Designing of book cover

Correct Answer:- Option-A

Question18:-The 'K' in the formula to calculate the ink consumption for a print job denotes

A:-Kind of stock

B:-Kind of forme

C:-Kind of process

D:-Kind of pigment

Correct Answer:- Option-B

Question19:-The choice for the size of paper to be used is made by the printer is based on

A:-Design of the print

B:-Size of the machine

C:-Availability of stock

D:-Type of the content

Correct Answer:- Option-B

Question20:-Works costs is calculated by

A:-Prime cost + Factory expenses

B:-Direct Labor + Direct material

C:-Direct expenses + General expenses

D:-Direct Labor + General Expenses

Correct Answer:- Option-A

Question21:-List out the functions carried out in pre-press department

- A:-Finishing and Binding
- B:-Prepare finish products for sale
- C:-Prepare editorial and build page layout
- D:-Make ready the press

Correct Answer:- Option-C

Question22:-Print control strips and densitometer are widely used in modern printing press as

- A:-Quality control devices
- B:-Press console
- C:-Electrostatic charge on paper
- D:-Perfect register

Correct Answer:- Option-A

Question23:-The skill required for purchasing manager are

- A:-Active listening skills
- B:-Communication skills and time management skills
- C:-Hiring and recruiting skills
- D:-Skill in product knowledge

Correct Answer:- Option-B

Question24:-Production Scheduling is done by

- A:-The Production Planner
- B:-Chief Supervisor
- C:-Quality Manager
- D:-Material Manager

Correct Answer:- Option-A

Question25:-Personal protective equipments (PPE) used in printing industry to protect from

- A:-Noise
- B:-Injuries and work related hazards
- C:-Protect from diseases
- D:-Protect from temperature

Correct Answer:- Option-B

Question26:-Find out from the following the raw material used for making paper

- A:-Rags
- B:-Wood
- C:-Waste paper

D:-Plastic waste

Correct Answer:- Option-B

Question27:-G.S.M. the word stands for

A:-Weight of paper

B:-Source of paper

C:-Paper lightness

D:-Paper opacity

Correct Answer:- Option-A

Question28:-Optical properties of paper can be helpful in

A:-Opacity

B:-Lightness

C:-Total print quality

D:-Smoothness

Correct Answer:- Option-C

Question29:-The property of paper by which a printer can create accurate high quality printed images?

A:-Printability properties of paper

B:-Thickness

C:-Grammage

D:-Dimensional Stability

Correct Answer:- Option-A

Question30:-_____ is the unique ink drying method that could dry wet ink to solid in record time.

A:-Precipitation

B:-Radiation curing

C:-Oxidation

D:-Polymerization

Correct Answer:- Option-B

Question31:-Name the paper that help to print protected documents with a high degree of document protection to prevent fraudulent use.

A:-Bond paper

B:-Coated paper

C:-Security paper

D:-Newsprint

Correct Answer:- Option-C

Question32:-The two factors that directly affect the drying time of printed products are

A:-Viscosity and pH

B:-Humidity

C:-Control of temperature

D:-Grain direction

Correct Answer:- Option-A

Question33:-Thixotrophy can be defined as

A:-Covering ability of ink

B:-Drying time taken

C:-Resistance to flow under applied force

D:-Tendency of an ink to flow more freely after being agitated by rollers

Correct Answer:- Option-D

Question34:-Why is printer's ink expensive?

A:-Ink making ingredients are more in price

B:-The extensive technology and research involved in development of printing inks

C:-High salaried employees

D:-The equipment cost is high

Correct Answer:- Option-B

Question35:-The major two factors that determine the tensile strength of paper are

A:-Brightness and opacity

B:-Dimensional stability and stiffness

C:-The strength and bonding of fibres and direction of fibre.

D:-Moisture absorbancy and flatness

Correct Answer:- Option-C

Question36:-Choose an image file from the following

A:-ABC

B:-PNG

C:-DSP

D:-AID

Correct Answer:- Option-B

Question37:-What is SVG?

A:-Scalable Vector Graphics

B:-Saturated Valuable Graphics

C:-Sectorised Visual Graphics

D:-Static Vision Graphics

Correct Answer:- Option-A

Question38:-The process of dividing the image in to two or more colours is called

A:-Colouring

B:-Formatting

C:-Colour Correction

D:-Colour Separation

Correct Answer:- Option-D

Question39:-Identify an imposition method from the following

A:-Page-in

B:-Casting off

C:-n-up

D:-Re-touching

Correct Answer:- Option-C

Question40:-Name the work that an editor does to improve the formatting style and colour of a manuscript

A:-Copy editing

B:-Curating

C:-Copy fitting

D:-Proof reading

Correct Answer:- Option-A

Question41:-Identify the term which is most related with pre press?

A:-Perforating

B:-Perfecting

C:-Preflighting

D:-Post press

Correct Answer:- Option-C

Question42:-_____ is a practice used to eliminate misregistration by overlapping adjacent colours or expand the pixels.

A:-Fixing

B:-Trapping

C:-Eliminating

D:-Moire

Correct Answer:- Option-B

Question43:-LAB is a colour space stands for

A:-Lightness, Channel A and Channel B

B:-Light Average Brightness

C:-Light Axial Blue

D:-Light Absorbing Background

Correct Answer:- Option-A

Question44:-Overlapping of screen dots in an image is called

A:-Halftone

B:-Bitmap

C:-Moire

D:-Screen Angle

Correct Answer:- Option-C

Question45:-Choose a software used for Vector graphics

A:-Adobe Indesign

B:-Corel Draw

C:-Adobe Photoshop

D:-GIMP

Correct Answer:- Option-B

Question46:-The fundamental characteristics of colours are

A:-Pigment, Vehicle, Additives

B:-Raster, Vector, Colour Value

C:-RGB

D:-Hue, Saturation, Brightness

Correct Answer:- Option-D

Question47:-Smallest element of a digital image is known as

A:-dpi

B:-GSM

C:-lpi

D:-pixel

Correct Answer:- Option-D

Question48:-Which type of imposition method is applicable for printing both sides of paper using the same plate?

A:-Sheetwork

B:-Half sheet work

C:-Signature

D:-Zig-Zag imposition

Correct Answer:- Option-B

Question49:-Page Layout design is also called as

A:-Page Composition

B:-Art work

C:-Film

D:-Design

Correct Answer:- Option-A

Question50:-Select the terms related to the principles of design

A:-Balance and Tint

B:-Brightness and Opacity

C:-Harmony and Unity

D:-Contract and Rhythm

Correct Answer:- Option-C

Question51:-Any element of design has a visual weight which need to be distributed evenly in your design. What is the name this design function?

A:-Distributed

B:-Design flaw

C:-Balance

D:-Visualization

Correct Answer:- Option-C

Question52:-The inside of a narrow angle where two strokes in a character meet, as in V, W, Y

A:-Crotch

B:-Ditch

C:-Crossbar

D:-Cross angle

Correct Answer:- Option-A

Question53:-Level of intensity of colors is called?

A:-Hue

B:-Relative density

C:-Tint

D:-Saturation

Correct Answer:- Option-D

Question54:-The process used by image software to fill in missing information (based on the surrounding pixels) when an image is up sized or manipulated?

A:-Pixelization

B:-Imposition

C:-Choke

D:-Interpolation

Correct Answer:- Option-D

Question55:-Identify the type of zoom that achieves magnification by electronically

spacing out pixels?

A:-Digital zoom

B:-Tele zoom

C:-Macro zoom

D:-Optical zoom

Correct Answer:- Option-A

Question56:-The smallest unit of a raster graphic. Derived from the words "Picture Element".

A:-Raster Bit

B:-Pixel

C:-Element

D:-Dot

Correct Answer:- Option-B

Question57:-What is the other name of thermal inkjet printing?

A:-Ablation

B:-Pressure jet

C:-Bubble jet

D:-Piezo electric

Correct Answer:- Option-C

Question58:-Name the unit that is used for measuring resolution of halftone screening?

A:-Ppi

B:-Dpi

C:-Hpi

D:-Lpi

Correct Answer:- Option-D

Question59:-Identify the format which is device and resolution independent?

A:-Jpeg

B:-Tiff

C:-Pdf

D:-PNG

Correct Answer:- Option-C

Question60:-The curved or tapered end of a stroke that has no serif.

A:-Fett

B:-Finial

C:-Notch

D:-Flag

Correct Answer:- Option-B

Question61:-For a perfect offset printing process identify the property essential for the influence of inking rollers.

A:-Viscoelastic properties

B:-Temperature behavior

C:-Compressability

D:-Capillary attraction

Correct Answer:- Option-A

Question62:-In which dampening system, the dampening solution is catapulted onto the printing plate as finely dispersed droplets.

A:-Vibrator-type dampening system

B:-Continuous-type dampening system

C:-Brush-type dampening system

D:-Centrifugal dampening system

Correct Answer:- Option-C

Question63:-Identify the type of feeder which overlaps the sheet in forwarding board.

A:-Single sheet feeder

B:-Stream feeder

C:-Successive sheet feeder

D:-Friction feeder

Correct Answer:- Option-B

Question64:-Which type detectors are placed in feeder board?

A:-No sheet detector

B:-Cross sheet detector

C:-Late sheet detector

D:-Double sheet detector

Correct Answer:- Option-D

Question65:-_____ blanket is squeezed in the nip bulges out on either one or both sides of the nip.

A:-Compressible

B:-Conventional

C:-Pneumatic

D:-Pressurable

Correct Answer:- Option-B

Question66:-The registering device that situated at the gripper edge of the feed

board is called

A:-Front lay

B:-Side lay

C:-Pull lay

D:-Finger lay

Correct Answer:- Option-A

Question67:-The distance between the bearer height and the cylinder surface is called

A:-Gutter

B:-Groove

C:-Undercut

D:-Bearing

Correct Answer:- Option-C

Question68:-Which cylinder in printing unit does not have bearers?

A:-Plate cylinder

B:-Blanket cylinder

C:-Impression cylinder

D:-Delivery cylinder

Correct Answer:- Option-C

Question69:-Which of the following statement is TRUE for multi roller inking system?

(i) To grind and transfer the ink evenly

(ii) It ensure the breakdown of ink strip received from the duct

(iii) Plate roller receives an equal supply of fresh ink

(iv) Number of contact points between rollers to produce milling action

A:-(i) and (ii)

B:-(i), (ii) and (iv)

C:-(i) and (iii)

D:-(i), (ii), (iii), (iv)

Correct Answer:- Option-D

Question70:-The time gap taken by the ductor roller to transfer the ink or dampening solution.

A:-Dwell time

B:-Constant time

C:-Backing time

D:-Creep time

Correct Answer:- Option-A

Question71:-Calculate the body setting of plate and blanket cylinder with bearer clearance if Plate recess = 0.5 mm, Blanket recess = 2.13 mm, Bearer

clearance = 0.076 mm

A:-2.706 mm

B:-0.076 mm

C:-2.63 mm

D:-2.206 mm

Correct Answer:- Option-A

Question72:-Which type of reel stand is used for faster changeovers while the machine is in running condition?

A:-Single reel stand

B:-Double reel stand

C:-Revolving reel stand

D:-No reel stand

Correct Answer:- Option-C

Question73:-The series of collapsible rollers present in web offset machine to store the web during splicing operation is called

A:-Dancer

B:-Metering roller

C:-Bustle wheels

D:-Festoon

Correct Answer:- Option-D

Question74:-The joining of tail end of expiring reel to the beginning of new reel is

A:-Slicing

B:-Splicing

C:-Slitting

D:-Splitting

Correct Answer:- Option-B

Question75:-The web steering device which is located in the infeed section to control the placement of images from side to side on the web.

A:-Dancer roller

B:-Anilox roller

C:-Box tilt

D:-Bustle wheels

Correct Answer:- Option-C

Question76:-Which is set to project on the underside of the web to reduce the difference in RPW?

A:-Ball smootheners

B:-Bustle wheel

C:-Brush wheels

D:-Roller lays

Correct Answer:- Option-B

Question77:-After drying, the web exits with a surface temperature of about

A:-180⁰C

B:-320⁰C

C:-90⁰C

D:-130⁰C

Correct Answer:- Option-D

Question78:-What is RTF?

A:-Roller top of former

B:-Roller tuck of former

C:-Roller turn of former

D:-Roller tumble of former

Correct Answer:- Option-A

Question79:-Which fold is made across the width of the signature at right angles to the former fold?

A:-Double former fold

B:-Jaw fold

C:-Chopper fold

D:-Ribbon fold

Correct Answer:- Option-B

Question80:-The auxiliary equipment found on presses running jobs where a small amount of copy is going to vary during the run.

A:-Sheeter

B:-Perforators

C:-Imprinters

D:-Bundlers

Correct Answer:- Option-C

Question81:-_____ causes the image transfer to take place because it forces the ink through the stencil and the fabric openings onto the receiver.

A:-Screen

B:-Squeegee

C:-Frame

D:-Stencil

Correct Answer:- Option-B

Question82:-In ballard skin method, the onetime use of engraving copper layer is of

approximately

A:-75 μm

B:-100 μm

C:-90 μm

D:-80 μm

Correct Answer:- Option-D

Question83:-Which roller has a cellular surface in flexographic inking system?

A:-Form roller

B:-Ductor roller

C:-Anilox roller

D:-Oscillator roller

Correct Answer:- Option-C

Question84:-The invisible line that passes through the center of the length of the cylinder is

A:-Shaft

B:-Axis

C:-Diameter

D:-Face length

Correct Answer:- Option-B

Question85:- _____ refers to number of rows of cells per linear inch.

A:-Cell count

B:-Cell volume

C:-Cell angle

D:-Cell depth

Correct Answer:- Option-A

Question86:-GATF Digital plate control Target is very useful for

A:-Image Assembly

B:-Developing a layout

C:-Measuring material exposures

D:-Measuring Colour Organization

Correct Answer:- Option-C

Question87:-Halftone wedge consist of _____ panels.

A:-13

B:-9

C:-6

D:-1200

Correct Answer:- Option-B

Question88:-UGRA plate control wedge consist of

A:-Line film with a continuous tone film mounted in Adhesive tape

B:-Highlight and shadow tints

C:-Solid Patch

D:-Cleanup Solvents

Correct Answer:- Option-A

Question89:-Section 10 of copyright Act

A:-Copyright in Govt. Publications

B:-The Central Govt. Shall appoint a Registrar of Copy rights

C:-The author of a work may relinquish all or any of the right to comprised in the copyright

D:-None of these

Correct Answer:- Option-B

Question90:-FOGRA

A:-Printing Industry

B:-Press Registration Agency

C:-ISO Standards

D:-Graphic Technology Research Association

Correct Answer:- Option-D

Question91:-Binding has been classified according to the

A:-Protective Cover

B:-Use of the product and the types of binding

C:-Fastening together the sheet of a product

D:-Distribution Process

Correct Answer:- Option-B

Question92:-The method that uses an adhesive to hold sheets on signatures together and to fasten the flexible cloth on paper cover on to the body is known as

A:-Edition binding

B:-Mechanical binding

C:-Case binding

D:-Perfect binding

Correct Answer:- Option-D

Question93:-The cover of the book becomes more durable due to

A:-End papers

B:-Edge decoration

C:-Wire Stitching

D:-Gluing

Correct Answer:- Option-A

Question94:-A plastic on wooden piece located directly below the cutting blade beneath the table to protect the blade is known as

A:-Movable Back guide

B:-Clamp

C:-Cutting Stick

D:-Side Guide

Correct Answer:- Option-C

Question95:-Which of the following does not include Thread sewing?

A:-Saddle stitching

B:-Double flexible sewing

C:-Cond sewing

D:-Tape sewing

Correct Answer:- Option-A

Question96:-Which term refers to making three sides of a book even and square?

A:-Trimming

B:-Scoring

C:-Cutting

D:-Sheathing

Correct Answer:- Option-A

Question97:-_____ is the general term associated with the assembling of signatures.

A:-Numbering

B:-Punching

C:-Binding

D:-Creasing

Correct Answer:- Option-C

Question98:-If an image is sunk in to substrate, rather than being raised, the process is called

A:-Stamping

B:-Embossing

C:-Laminating

D:-Debossing

Correct Answer:- Option-D

Question99:-_____ marks can be used on signatures to check the accuracy of the

signature gathering sequence.

A:-Collating

B:-Water

C:-Folding

D:-Calculating

Correct Answer:- Option-A

Question100:-The processes that create a three-dimensional raised image on a substrate by pressing it between two dies is called

A:-3D Printing

B:-Embossing

C:-Perforation

D:-Foil Stamping

Correct Answer:- Option-B