

PROVISIONAL ANSWER KEY

Question 59/2024/OL

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Question1:-The special device designed and licensed by GAA for the improvement of image transfer in Gravure printing process is

A:-Ballard Shell cylinders

B:-Doctor blade

C:-Electrostatic Assist

D:-Pre wipe blade

Correct Answer:- Option-C

Question2:-Which folder folds the web across its grain direction?

A:-Former folder

B:-Jaw folder

C:-Tucker blade

D:-Chopper folder

Correct Answer:- Option-B

Question3:-Printing a double image, consist of full solid and a weak second image, slightly out register is _____

A:-doubling

B:-ink spread

C:-slur

D:-scum

Correct Answer:- Option-A

Question4:-The process in which, resolution independent images are converted into pixels called

A:-Rasterization

B:-Interpretation

C:-Screening

D:-Distillation

Correct Answer:- Option-A

Question5:-Which component of Web Offset printing press, controls the web as it unwind from the roll stand and enters the printing unit, in conjunction with a break

A:-Splicer

B:-Dancer roller

C:-Folder

D:-None of these

Correct Answer:- Option-B

Question6:-The inking system in flexographic printing press in which ink passes from ink fountain roller to anilox roller is _____

A:-two roller inking system

B:-three roller inking system

C:-both

D:-none of these

Correct Answer:- Option-B

Question7:-The proofing process, which uses same type of ink and paper that are used on final job is _____

A:-photomechanical proof

B:-press proof

C:-digital proof

D:-none of these

Correct Answer:- Option-B

Question8:-Which Ink jet technology is also called Bubble jet technology?

A:-Thermal ink jet technology

B:-Drop on demand system

C:-piezoelectric technology

D:-Continuous ink jet technology

Correct Answer:- Option-A

Question9:-In an offset printing unit, ink transferred from ink fountain to ink distribution rollers by _____

A:-oscillating rollers

B:-duct roller

C:-rotating distributor roller

D:-ductor roller

Correct Answer:- Option-D

Question10:-Silk is a _____ fabric.

A:-multi filament

B:-mono filament

C:-both

D:-none of these

Correct Answer:- Option-A

Question11:-In offset lithography, metal plate thickness ranges from _____

- A:-.05 mm to .03 mm
- B:-.05 inch to 0.3 inch
- C:-.005 inch to .030 inch
- D:-.005 mm to .030mm

Correct Answer:- Option-C

Question12:-Which gas is released from diazo plate emulsion, when it is exposed to light, that cause the material insensitivity to additional light?

- A:-Oxygen
- B:-Nitrogen
- C:-Carbon dioxide
- D:-Hydrogen

Correct Answer:- Option-B

Question13:-Maximum press sheet size that can feed to offset duplicator is _____

- A:-11 inch × 17 inch
- B:-13 inch × 18 inch
- C:-15 inch × 18 inch
- D:-13 inch × 16 inch

Correct Answer:- Option-A

Question14:-UV curing ink, in the presence of _____ and UV light, produce free radical reaction which helps in ink drying process

- A:-photo initiator
- B:-metallic salt
- C:-heat
- D:-none of these

Correct Answer:- Option-A

Question15:-Example for natural resin is _____

- A:-phenolic resin
- B:-alkyd resin
- C:-rosin
- D:-hydrocarbon resin

Correct Answer:- Option-C

Question16:-Foudrinier is a _____ machine

- A:-DI
- B:-Ink grinding

C:-paper making

D:-varnish making

Correct Answer:- Option-C

Question17:-CTP plate which uses the Laser technology that selectively heats the Non-image area and vaporizes it is _____

A:-Silver halide plate

B:-Thermal conversion plate

C:-Photopolymer plate

D:-Thermal ablation plate

Correct Answer:- Option-D

Question18:-The ingredient added during ink manufacturing, to give special characteristics to the ink is _____

A:-Pigment

B:-Vehicle

C:-Additive

D:-None of these

Correct Answer:- Option-C

Question19:-The phenomenon of ink get thicken on standing and the gel structure can be broken down by stirring is termed as _____

A:-Thixotropy

B:-Visco elasticity

C:-Dilatancy

D:-Trapping

Correct Answer:- Option-A

Question20:-The ability of light to pass through paper is _____

A:-bulk

B:-opacity

C:-finish

D:-readability

Correct Answer:- Option-B

Question21:-The ingredient in the ink which helps to make dried print more flexible and pliable is _____

A:-Adhesive

B:-Plasticizers

C:-Vehicle

D:-Dye

Correct Answer:- Option-B

Question22:-The fluted structure which is sandwiched between two piles of liner board is _____

A:-Corrugated medium

B:-Glassine paper

C:-Greaseproof paper

D:-Tissue

Correct Answer:- Option-A

Question23:-_____ are pigments that are added to stock for opacity and brightness improvement of printing papers

A:-Resins

B:-Dyes

C:-Fillers

D:-None of the above

Correct Answer:- Option-C

Question24:-A paper's M weight is _____ its basic weight.

A:-Same as

B:-Twice

C:-Thrice

D:-None of these

Correct Answer:- Option-B

Question25:-In an offset printing unit, the ink is transferred from inking unit to plate cylinder by _____

A:-Oscillating roller

B:-Duct roller

C:-Form roller

D:-Ductor roller

Correct Answer:- Option-C

Question26:-What keyboard shortcut can be used to quit CorelDRAW?

A:-Ctrl+Q

B:-Alt+F4

C:-Shift+Esc

D:-Ctrl+Alt+Del

Correct Answer:- Option-B

Question27:-Which file format is commonly used for transferring vector artwork between applications?

A:-JPEG

B:-PNG

C:-EPS

D:-GIF

Correct Answer:- Option-C

Question28:-In typography, which character consists of three black dots in a row denoting more copy should follow but doesn't?

A:-Ampersand

B:-Asterisk

C:-Ellipsis

D:-Dagger

Correct Answer:- Option-C

Question29:-In the point system, the 12 point type is known as 'pica type', while a 5 1/2 point is commonly known as _____

A:-Brevier type

B:-Agate type

C:-Minion type

D:-Pearl type

Correct Answer:- Option-B

Question30:-In typography the 'leads' or more than 3 point thickness are called _____.

A:-Chunky leads

B:-Broad leads

C:-Clumps

D:-Jumbo leads

Correct Answer:- Option-C

Question31:-In the Didot system, what is the equivalent of 1 point?

A:-0.375 mm

B:-0.25 mm

C:-0.5 mm

D:-0.75 mm

Correct Answer:- Option-A

Question32:-What is irradiance?

A:-The radiant power absorbed by a surface per unit area

B:-The radiant power emitted by a surface per unit area

C:-The radiant power per unit area incident onto a surface

D:-The radiant power reflected by a surface per unit area

Correct Answer:- Option-C

Question33:-Which type of scanner is best suited for redigitizing already screened

films by scanning a bitmap of the existing halftone dots at a high resolution?

A:-Flatbed scanner

B:-Drum scanner

C:-Copy dot scanner

D:-Handheld scanner

Correct Answer:- Option-C

Question34:-Which attribute describes the phenomenon where, under the same illumination, a white object appears brighter than a grey object?

A:-Luminous reflectance

B:-Lightness

C:-Brightness contrast

D:-Reflective luminance

Correct Answer:- Option-A

Question35:-What is a monolithic identity in branding?

A:-A branding strategy where each product has its own unique logo

B:-A branding approach where subsidiary companies have separate logos from the parent company

C:-An umbrella logo used by all subsidiary companies on all products

D:-A branding method where each subsidiary company has its own distinct branding strategy

Correct Answer:- Option-C

Question36:-What type of brochure construction involves tucking a cardboard cover around a lining strip brochure, with strip gluing only done on the block spine?

A:-Gatefold brochure

B:-Accordion fold brochure

C:-Swiss brochure

D:-Roll fold brochure

Correct Answer:- Option-C

Question37:-Which of the statement is correct?

A:-Carbolic acid is added to glue to improve its adhesive properties

B:-Glue manufacturers use carbolic acid to enhance the glue's durability

C:-Carbolic acid is intentionally included in glue formulations to create an unpleasant odor

D:-Carbolic acid is incorporated into glue to neutralize or mask existing unpleasant odors

Correct Answer:- Option-D

Question38:-What term describes the technique of pasting covering material onto the spine of a book?

- A:-Tight binding method
- B:-Spine covering technique
- C:-Tight back technique
- D:-Book spine pasting method

Correct Answer:- Option-C

Question39:-What type of sheepskin grade is typically used for inexpensive account books?

- A:-Prime grade
- B:-Low grade
- C:-Basil grade
- D:-Sub standard grade

Correct Answer:- Option-C

Question40:-What purpose do "early" copies serve for publishers?

- A:-Inventory management
- B:-Promotional purposes and reviews
- C:-Legal documentation
- D:-Quality control

Correct Answer:- Option-B

Question41:-What is the typical temperature range required to fix gold or pigment foil?

- A:-150°F-170°F
- B:-174°F-200°F
- C:-200°F-225°F
- D:-230°F-250°F

Correct Answer:- Option-B

Question42:-Which binding method is commonly utilized to manufacture notebooks and writing pads, offering a cost-effective solution while allowing easy tearing of individual sheets without damaging the spine?

- A:-Wire 'O' binding
- B:-Comb binding
- C:-Padding
- D:-Spiral binding

Correct Answer:- Option-C

Question43:-What measures to manufacturers typically take to address noise levels generated by high-speed folding machines, particularly to ensure the safety of workers who may require ear defenders?

- A:-Implementing noise-cancelling technology in the folding plates
- B:-Installing soundproof enclosures around the entire machine

C:-Equipping the folding plates with noise hoods

D:-Using ear defenders with built-in noise reduction features

Correct Answer:- Option-C

Question44:-What material composition is commonly associated with art canvas?

A:-Polyester blend with a linen lining

B:-Thick paper with a cardboard backing

C:-Loose weave, strong cotton with a tissue lining

D:-Nylon mesh with a synthetic fiber lining

Correct Answer:- Option-C

Question45:-Which of the following materials are examples of film laminates?

A:-Poly Vinyl Acetate

B:-Poly Ethylene Terephthalate

C:-Polycarbonate

D:-Oriented Polypropylene

Correct Answer:- Option-D

Question46:-Who invented movable type?

A:-Robert Wingsten

B:-Pi Sheng

C:-Sung mi

D:-Guttenberg

Correct Answer:- Option-B

Question47:-_____ is defined as any printing operation that is owned by, and serves the need of a single company or corporation.

A:-Implant printing

B:-In house printing

C:-In-Plant printing

D:-Trade shops

Correct Answer:- Option-C

Question48:-A company that specializes only in binding comes under which category?

A:-Special purpose printing

B:-Functional house

C:-Package printing

D:-Trade shops

Correct Answer:- Option-D

Question49:-For extremely long press runs which is more suitable

A:-Offset

B:-Flexo

C:-Gravure

D:-Digital

Correct Answer:- Option-C

Question50:-Companies that provide services to printers by either producing or selling supplies and equipment comes under _____.

A:-Suppliers group

B:-Related industries

C:-Manufacturers group

D:-None of the above

Correct Answer:- Option-B

Question51:-What is the primary purpose of digital prepress?

A:-To design logos and graphics

B:-To manage the printing press workflow

C:-To proof read designs before printing

D:-To prepare digital files for printing

Correct Answer:- Option-D

Question52:-_____ is an example for compression picture file format using lossy technique?

A:-ZIP

B:-GIF

C:-JPEG

D:-PNG

Correct Answer:- Option-C

Question53:-An example for imposition programs that are designed to be device-independent and can be used with every publishing equipment/system

A:-Apogee

B:-Agfa

C:-Scangraphic

D:-Impostrip

Correct Answer:- Option-D

Question54:-A single color may be perceived as two totally different colors when placed next to different shades. This phenomenon is called

A:-The contrast effect

B:-Metamerism

C:-Color shift

D:-Luminance effect

Correct Answer:- Option-A

Question55:-The quality of the scanners are determined by

- (i) Mechanical and electronic factors
- (ii) Photo multipliers or CCD cells
- (iii) Number of bits per basic color
- (iv) Image scanning software

A:-(i) and (ii) are correct

B:-(ii), (iii), (iv) are correct

C:-None of the above are correct

D:-All the statements are correct

Correct Answer:- Option-D

Question56:-What is DCS?

A:-Desktop color system

B:-Desktop color separation

C:-Digital color system

D:-Digital color source

Correct Answer:- Option-B

Question57:-A large single sheet is frequently passed through printing press and then folded and trimmed to form a portion of a book or magazine. The process is called _____.

A:-Imposition

B:-Sizing

C:-Signature imposition

D:-Stripping

Correct Answer:- Option-C

Question58:-Another name of imposition proof is _____.

A:-Prototype

B:-Blues

C:-Blue copy

D:-All of the above

Correct Answer:- Option-D

Question59:-The significance of the term 'creep' in imposition

A:-It refers to the misalignment of gripper margin in printing

B:-It describes the process of alignment of pages on paper

C:-It indicates the shifting of pages in a folded document

D:-It represents the reduction in image size during printing

Correct Answer:- Option-C

Question60:-The assembled masking sheet with pieces of film attached is called _____.

- A:-Signature
- B:-Flat
- C:-Forum
- D:-Stripped sheets

Correct Answer:- Option-B

Question61:-What is a brayer used for in printmaking?

- A:-Applying ink to a printing plate
- B:-Measuring ink viscosity
- C:-Cleaning printing rollers
- D:-Registering multiple colors

Correct Answer:- Option-A

Question62:-Hardness level of water used in the dampening solution should be in between

- A:-10 and 12° dH
- B:-8 and 12° dH
- C:-6 and 9° dH
- D:-None of the above

Correct Answer:- Option-B

Question63:-Which is used as a plate preservatives?

- A:-Plate gel
- B:-Oxidative drying oils
- C:-Gum Arabic
- D:-manganese oxide

Correct Answer:- Option-C

Question64:-Which among the following rollers in the offset inking system doesn't have same circumferential speed as the plate and blanket cylinder?

- (i) Fountain roller
- (ii) Form roller
- (iii) Vibrator roller
- (iv) Distributor rollers

- A:-All of the above
- B:-Both (i) and (ii)
- C:-Both (iii) and (iv)
- D:-Both (i) and (iii)

Correct Answer:- Option-D

Question65:-The type of dampening system introduced to eliminate 'feast and

famine' problem by replacing ductor roller with brush is called _____.

A:-Roland matic

B:-Harris cottrel

C:-The dampen orr system

D:-Alcolor

Correct Answer:- Option-B

Question66:-During the printing process, the cylinders come into contact and then separate. The sudden change in pressure between the cylinders during this contact and separation generates vibrations. This phenomenon is called

A:-Pressure effect

B:-Cylinder slippage shock

C:-Cylinder gap shock

D:-Cylinder gap vibrations

Correct Answer:- Option-C

Question67:-When image elements overlap onto subsequent image areas in the direction of print. The problem is called

A:-Doubling

B:-Creep

C:-Ghosting

D:-Moiré patterns

Correct Answer:- Option-C

Question68:-For large formats sheets which of the following type side lay is more suitable in sheet fed offset machine

A:-Push type

B:-Pull type

C:-Both (1) and (2)

D:-Linear cam mechanism

Correct Answer:- Option-B

Question69:-CIP3 stands for

A:-Cooperation for Integration of prepress, press and post press

B:-Cooperation for Integration of press consol and product

C:-Cooperation for Integration of prepress consol and press consol

D:-None of the above

Correct Answer:- Option-A

Question70:-The term 'Festoon' is connected with which of the following?

A:-Web Offset

B:-Zero speed splicer

C:-Flying splicer

D:-CTP

Correct Answer:- Option-B

Question71:-The ability of paper to prevent ink from penetrating into its surface is called

A:-Ink porosity

B:-Ink absorptancy

C:-Ink setoff

D:-Ink holdout

Correct Answer:- Option-D

Question72:-An enclosed area with controlled lighting that is used in graphic arts studios, service bureaus and printing companies as a stable environment for evaluating proofs and press sheets

A:-Viewing booth

B:-Tolerance booth

C:-Status B

D:-Process room

Correct Answer:- Option-A

Question73:-Corrugated material is available in different wall thicknesses, known as flutes sizes. Which of the below gives greatest cushioning for packing fragile products?

A:-E-Flute

B:-A-Flute

C:-B-Flute

D:-C-Flute

Correct Answer:- Option-B

Question74:-An accumulation of dried ink on the ends of an offset press's ink roller, commonly caused by improper or infrequent cleaning is called

A:-Roll chalking

B:-Ink deposits

C:-Ink cuff

D:-Ink marbling

Correct Answer:- Option-C

Question75:-The CIE Standard Illuminating that represents a colour temperature of 5000° K.

A:-D501

B:-D50

C:-5K

D:-CIE5

Correct Answer:- Option-B

Question76:-What is that an electric motor produces that is intended to propel some external mechanism?

A:-Torque

B:-Motion

C:-Traction

D:-Force

Correct Answer:- Option-A

Question77:-Name the defect that is caused by corrosion of the aluminum, which forms thousands of tiny pits that, when the film of fountain solution wears off, fill with ink?

A:-Ink off

B:-Ink dot scum

C:-Dot corrosion

D:-Drying up

Correct Answer:- Option-B

Question78:-Which material is best suited for shrink wrap?

A:-LDPE

B:-HDPE

C:-PEEK

D:-CIPE

Correct Answer:- Option-A

Question79:-The phenomenon where two colours appear to match under one light source, yet do not match under a different light source.

A:-Dynamic colors

B:-Sweep colors

C:-Metamerism

D:-Colormatism

Correct Answer:- Option-C

Question80:-An undesirable movement of an offset press blanket or blanket packing material during printing, caused either by blanket stretching, improper tension

A:-Creep

B:-Smashes

C:-Blanking

D:-Flow

Correct Answer:- Option-A

Question81:-Identify the type of packaging which secures a product between paperboard and a transparent plastic dome or bubble

A:-Tamper pack

B:-Blow molding

C:-Bleach packaging

D:-Blister packaging

Correct Answer:- Option-D

Question82:-What do you call a small electronic device made up of multiple interconnected electronic components?

A:-Intels

B:-Chip

C:-Jabra

D:-Drister

Correct Answer:- Option-B

Question83:-The fact that several colors have to be printed together in a halftone image makes both visual assessment and measurement of the individual inks in the image relatively difficult. The measuring accuracy is limited because the measuring signal is partly superimposed by the other inks. Identify a good practice to overcome this issue?

A:-Color depth

B:-Non linear algorithm

C:-Reflectance density

D:-Color control bar

Correct Answer:- Option-D

Question84:-What is the name of a thin, supplemental gear attached to a spur gear so as to reduce the occurrence of play, an undesired, unimpeded circumferential movement of meshing gears?

A:-Back gear

B:-Plate gear

C:-Backlash gear

D:-Internal gear

Correct Answer:- Option-C

Question85:-Identify the material which is fully recyclable and can be reused an endless number of times?

A:-Glass

B:-Plastic

C:-Paper

D:-Cardboard

Correct Answer:- Option-A

Question86:-Identify the moving part that delivers the mechanical power in a motor?

A:-Stator

B:-Rotor

C:-Core

D:-Pole

Correct Answer:- Option-B

Question87:-The extent to which a paper can withstand a force applied at right angles to its surface (such as that generated by a sticky ink film during printing) without rupturing is called?

A:-Texture grip

B:-Hold out

C:-Super sizing

D:-Surface strength

Correct Answer:- Option-D

Question88:-Which of these gears produces less play in a offset machine?

A:-Spur gear

B:-Plate gear

C:-Primary gear

D:-Helical gear

Correct Answer:- Option-D

Question89:-Name the end portion of a folding carton flap that is used to hold the flap in place by inserting it into the container

A:-Strip

B:-Head

C:-Tuck

D:-Seal

Correct Answer:- Option-C

Question90:-Which of these is powered by compressed air?

A:-Thermoscope

B:-Hydroscope

C:-Pneumatics

D:-Pneuronics

Correct Answer:- Option-C

Question91:-What do you call a rotating or sliding piece in a mechanical linkage used especially in transforming rotary motion into linear motion?

A:-Cam

B:-Disc

C:-Valve

D:-LSA

Correct Answer:- Option-A

Question92:-The accumulation of visible particles of lint or paper-cutter dust on the non-image areas of a printing plate or blanket, which can have harmful effects on print quality and even accelerate blanket or plate wear.

A:-Powdering

B:-Amphoteric

C:-Burr

D:-Clustering

Correct Answer:- Option-A

Question93:-Which type of packaging is made of numerous layer of paper, plastic and aluminum?

A:-Pulp Box

B:-Brick Carton

C:-PEEK carton

D:-Elopak

Correct Answer:- Option-B

Question94:-When comparing the force produced by pneumatics and hydraulics, which of the statement holds good?

A:-Both produces equal force

B:-Pneumatics produce less force

C:-Pneumatics produce more force

D:-Hydraulics produce more force

Correct Answer:- Option-D

Question95:-Which of the below help a customer to identify a product?

A:-Color scheme

B:-Stacking

C:-Protect

D:-Keep together

Correct Answer:- Option-A

Question96:-Identify the metal that is used for packing foods, soft drinks, medicine tablets, which is light weight, strong and recyclable?

A:-Fm

B:-Ni

C:-Ra

D:-AI

Correct Answer:- Option-D

Question97:-Identify the device in which a major part of it is made of Cold Rolled Grain Oriented Steel (CRGO)?

A:-Transformer

B:-Motor

C:-Sinusoid

D:-DC Motor

Correct Answer:- Option-A

Question98:-Identify the device that produces an output signal for the purpose of detecting a physical phenomenon.

A:-Bode plote

B:-Sensor

C:-Nyquist Grad

D:-Macroscope

Correct Answer:- Option-B

Question99:-Name the package that is used as a security package to deter package pilferage for small high-value items, such as consumer electronics. It consists of one sheet folded over onto itself and sometimes fused at the edges. They can be securely heat sealed, making them difficult to open by hand to deter tampering. A pair of scissors or a sharp knife is often required to open them?

A:-Rigid packaging

B:-Mold packaging

C:-Clamshell packaging

D:-Shell packaging

Correct Answer:- Option-C

Question100:-What do you name the technology of enclosing or protecting products for distribution, storage, sale and use?

A:-Inserts

B:-Packaging

C:-Dismantling

D:-Unboxing

Correct Answer:- Option-B