

PROVISIONAL ANSWER KEY

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Question1:-The first printing press in India was established at _____

A:-Delhi

B:-Kochi

C:-Goa

D:-Kozhikkode

Correct Answer:- Option-C

Question2:-Choose the printing method which is used for the highest quality reproduction.

A:-Gravure

B:-Screen

C:-Xerography

D:-Inkjet

Correct Answer:- Option-A

Question3:-Define the term NIP.

A:-Non Image Printing

B:-Non Impact Printing

C:-Non Image area Plate

D:-Nano Image Print

Correct Answer:- Option-B

Question4:-Who designed offset press for lithography ?

A:-Gutenberg

B:-Ira Rubel

C:-Allois Senifelder

D:-Lai Sun

Correct Answer:- Option-B

Question5:-Porous printing is basically a _____ process.

A:-Litho

B:-Milling

C:-Stencil

D:-Intaglio

Correct Answer:- Option-C

Question6:-_____ is the point of contact where two cylinders, gears or rollers meet or come close to one another.

A:-Nip point

B:-Bearer

C:-Mid point

D:-Gutter

Correct Answer:- Option-A

Question7:-Name the segment of printing industry that produces various products for customers, including forms, newspaper inserts, and catalogues etc.

A:-Newspaper industry

B:-Quick printing

C:-Logistics

D:-Commercial

Correct Answer:- Option-D

Question8:-An electronic imaging device that measures colour densities of an original and stores those measurements as digital informations and manipulates the data, then use this data to separate the colours is _____

A:-Computer

B:-DTP

C:-Camera

D:-Scanner

Correct Answer:- Option-D

Question9:-Expand GCR.

A:-Grey Component Replacement

B:-Genet Colour Reproduction

C:-Gama Cathode Ray

D:-Grey Colour Reproduction

Correct Answer:- Option-A

Question10:-Name the condition that results when wet ink on the press sheet transfers to the back of the other sheet in a stack.

A:-Mis register

B:-Tinting

C:-Set off

D:-Slur

Correct Answer:- Option-C

Question11:-Identify the problem in which ink spots surrounded by a white background.

A:-Scum

B:-Hickies

C:-Mottling

D:-Chalking

Correct Answer:- Option-B

Question12:-What is slurring ?

A:-Gradual disappearance of image area

B:-Lifting of paper fibers

C:-Failure of ink rollers to absorb ink

D:-An unwanted accumulation of halftone dots that result in a smeared image

Correct Answer:- Option-D

Question13:-Name the tendency of ink to flow more freely after being worked.

A:-Tack

B:-Thixotropy

C:-Entropy

D:-Viscosity

Correct Answer:- Option-B

Question14:-Make ready means _____

A:-Computer print

B:-Designing and layout

C:-CTP

D:-Various preparatory machine operations of a work

Correct Answer:- Option-D

Question15:-All the printing operations of planning and execution should be written on the card in a printing industry. This card is known as _____

A:-Job ticket

B:-Punch card

C:-Invoice card

D:-Planning schedule

Correct Answer:- Option-A

Question16:-Name the process by which a scanner monitor or output device is adjusted to provide a more accurate display and reproduction of images.

A:-Characterisation

B:-Imaging

C:-Calibration

D:-Colour correction

Correct Answer:- Option-C

Question17:-Identify a device used to check the print quality on an offset press.

A:-Slur

B:-Thermometer

C:-CTP

D:-Star target

Correct Answer:- Option-D

Question18:-What is trapping of ink ?

A:-Measurement of how well the inks are adhering to each other

B:-Ink density

C:-Ink drying time

D:-Emulsification of inks

Correct Answer:- Option-A

Question19:-Name a photoelectric device that measures the transmitted or reflected light to relate and display density values.

A:-Colourimeter

B:-Densitometer

C:-Spectrophotometer

D:-Colour bar

Correct Answer:- Option-B

Question20:-_____ is used to measure the registration and dotgain of an image.

A:-Vernier caliper

B:-Densitometer

C:-Magnifying glass

D:-Registration marks

Correct Answer:- Option-C

Question21:-Name the instrument used to test the hardness of blanket.

A:-Screw guage

B:-GSM

C:-Shore durometer

D:-M weight

Correct Answer:- Option-C

Question22:-What is scum ?

A:-Ink defect

B:-Ink on non image area

C:-Transfer of ink in the image area

D:-Paper defect

Correct Answer:- Option-B

Question23:-_____ is the aligning of two or more printed images on the same page.

A:-Registration

B:-Alignment

C:-Imaging

D:-Over printing

Correct Answer:- Option-A

Question24:-Proper preventive maintenance and lubrication of offset presses ensures _____

A:-Printing of multicolours

B:-Quality of longrun printing process

C:-Machine long life

D:-Paper quality

Correct Answer:- Option-B

Question25:-Identify which is not a make ready procedure ?

A:-Feeder setting

B:-Sheet control guides

C:-Paper setting

D:-Super calendaring

Correct Answer:- Option-D

Question26:-Which workflow step involves converting vector images into raster dots ?

A:-CTP

B:-RIP

C:-Proofing

D:-Graining

Correct Answer:- Option-B

Question27:-What is prepress ?

A:-Binding process

B:-Production steps before printing

C:-Finishing process

D:-Packaging

Correct Answer:- Option-B

Question28:-Which file format is commonly created in prepress workflow ?

A:-DOCX

B:-TXT

C:-PDF

D:-XLS

Correct Answer:- Option-C

Question29:-Page layout refers to what ?

A:-Printing method

B:-Arrangement of text and images

C:-Paper cutting

D:-Binding

Correct Answer:- Option-B

Question30:-Which orientation is tall ?

A:-Landscape

B:-Portrait

C:-Square

D:-Panorama

Correct Answer:- Option-B

Question31:-What is the space around printed matter called ?

A:-Gutter

B:-Margin

C:-Spine

D:-Creep

Correct Answer:- Option-B

Question32:-What is a number indicating page sequence called ?

A:-Signature

B:-Folio number

C:-Guide line

D:-Header

Correct Answer:- Option-B

Question33:-What are non-printing vertical lines used for columns called ?

A:-Trim lines

B:-Column guides

C:-Fold lines

D:-Repro lines

Correct Answer:- Option-B

Question34:-Folding a sheet three times to get 16 pages forms what size ?

A:-Folio

B:-Quarto

C:-Octavo

D:-Tabloid

Correct Answer:- Option-C

Question35:-Which type of line is reproduced during printing ?

A:-Non-repro line

B:-Repro line

C:-Guide line

D:-Margin line

Correct Answer:- Option-B

Question36:-Which feature allows recurring page elements in page layout software ?

A:-Style sheet

B:-Autoflow

C:-Master page

D:-Text wrap

Correct Answer:- Option-C

Question37:-Text flowing around an illustration is called what ?

A:-Autoflow

B:-Run around format

C:-Crossover

D:-Linking

Correct Answer:- Option-B

Question38:-Correct placement of images on a printing plate is known as what ?

A:-Proofing

B:-Imposition

C:-RIP

D:-Graining

Correct Answer:- Option-B

Question39:-Using one plate for both sides without changing the gripper edge is called what ?

A:-Sheetwise

B:-Work-and-Turn

C:-Work-and-Tumble

D:-One-side

Correct Answer:- Option-B

Question40:-What does a folding dummy help to show ?

A:-Ink density

B:-Page position and orientation

C:-Plate thickness

D:-Exposure time

Correct Answer:- Option-B

Question41:-What is the roughening process on a plate surface called ?

A:-Etching

B:-Graining

C:-Coating

D:-Developing

Correct Answer:- Option-B

Question42:-Which plate type holds more ink and produces brilliant halftones ?

A:-Surface plate

B:-Deep-etch plate

C:-Bi-metal plate

D:-PS plate

Correct Answer:- Option-B

Question43:-

The photosensitive emulsion in plate exposure is sensitive mainly to which light ?

A:-Red light

B:-Green light

C:-Blue and UV light

D:-Infrared only

Correct Answer:- Option-C

Question44:-

According to plate problems table, dot loss is mainly caused by what ?

A:-Over gumming

B:-Under exposure for negative plates

C:-Excess ink

D:-Plate bending

Correct Answer:- Option-B

Question45:-CTP technology eliminates which process step ?

A:-Binding

B:-Film production

C:-Cutting

D:-Packing

Correct Answer:- Option-B

Question46:-Why is the printing process called offset printing ?

A:-The ink is printed directly from the plate to paper

B:-The image is offset from the plate to a rubber blanket before printing

C:-The paper is offset during printing

D:-The printing uses offset colors only

Correct Answer:- Option-B

Question47:-In sheetfed offset printing, how is the paper supplied to the printing press ?

A:-From a continuous roll

B:-As individual sheets

C:-Through hand painting

D:-By digital transfer only

Correct Answer:- Option-B

Question48:-What is the main raw material used in the paper manufacturing process ?

A:-Wood pulp

B:-Plastic

C:-Cotton fabric

D:-Metal fibers

Correct Answer:- Option-A

Question49:-Which component of printing ink is mainly responsible for giving color to the ink ?

A:-Binder

B:-Solvent

C:-Pigment

D:-Additives

Correct Answer:- Option-C

Question50:-Which chemical is commonly added to the dampening solution in offset printing to reduce the surface tension of water ?

A:-Pigment

B:-Wax

C:-Resin

D:-Alcohol (Isopropyl alcohol)

Correct Answer:- Option-D

Question51:-Which type of blanket is best suited for printing on rough or textured paper in offset printing ?

A:-Soft (compressible) blanket

B:-Hard blanket

C:-Metal blanket

D:-Paper blanket

Correct Answer:- Option-A

Question52:-Which unit of a sheet-fed offset printing press is responsible for transferring the inked image onto the paper ?

A:-Feeding unit

B:-Printing unit

C:-Delivery unit

D:-Dampening unit

Correct Answer:- Option-B

Question53:-Which of the following statements about the development of offset printing is correct ?

A:-Offset printing was invented before letterpress printing

B:-Johannes Gutenberg invented offset printing in the 15th century

C:-The modern offset process uses a rubber blanket to transfer the image from the plate to the paper

D:-Offset printing does not require ink for the printing process

Correct Answer:- Option-C

Question54:-Which of the following statements about multicolor offset printing machines is correct ?

A:-They can print only one color at a time

B:-They are only used for black-and-white printing

C:-They do not require registration of colors

D:-They use multiple printing units to print different colors in a single pass

Correct Answer:- Option-D

Question55:-Which of the following statements about the storage of printing paper is correct ?

A:-Printing paper should be stored flat in a cool, dry place to prevent warping and moisture absorption

B:-Printing paper should be stored in a damp environment to maintain flexibility

C:-Printing paper can be stored near heat sources without any risk

D:-Printing paper does not require protection from sunlight

Correct Answer:- Option-A

Question56:-Which of the following statements about printing ink and its drying methods is correct ?

A:-Printing inks do not require proper storage and can be kept in any environment

B:-Printing inks dry only by evaporation and cannot dry through chemical reactions

C:-Proper storage of printing inks in airtight containers and controlled temperature prevents skinning, thickening and contamination

D:-All printing inks dry instantly as soon as they touch the paper

Correct Answer:- Option-C

Question57:-Which of the following statements about roller and blanket wash in offset printing is correct ?

A:-Roller and blanket wash is used to clean the press only after the job is finished and not during printing

B:-Roller and blanket wash helps remove dried ink and paper dust from the rollers and blanket to maintain print quality

C:-Roller and blanket wash can be replaced by water alone without any cleaning agents

D:-Roller and blanket wash is only needed for digital printing presses

Correct Answer:- Option-B

Question58:-Which of the following statements about the structure of an offset printing blanket is correct ?

A:-The top layer of the blanket is usually made of rubber to transfer the inked image

B:-The compressible layer in the blanket provides cushioning for even ink transfer

C:-A fabric or synthetic reinforcement layer gives the blanket dimensional stability

D:-All of the above

Correct Answer:- Option-D

Question59:-Which of the following statements about the workflow of a sheetfed offset printing machine is correct ?

A:-Paper sheets are fed into the press one by one from the feeding unit

B:-Ink and dampening solution are applied to the printing plate before transferring the image to the blanket

C:-The blanket transfers the inked image directly to the paper sheet

D:-All of the above

Correct Answer:- Option-D

Question60:-Match the following of given below lists some parameters used in estimating paper requirements for a print job.

Parameter/ Statement	Description/ Statement
1. Grammage (GSM)	Represents the weight of paper per square meter, used to calculate paper weight
2. Sheet Size	The total size of the paper roll is irrelevant for estimation
3. Number of Copies	Determines the total number of sheets required for printing
4. Impression size	Refers to the area of paper used per printed image; helps in calculating wastage
5. Wastage Allowance	Is ignored because paper is always fully utilized in printing

A:-1ü, 2Đ, 3ü, 4ü, 5Đ

B:-1ü, 2ü, 3Đ, 4Đ, 5ü

C:-1Đ, 2ü, 3ü, 4ü, 5ü

D:-1ü, 2Đ, 3ü, 4Đ, 5ü

Correct Answer:- Option-A

Question61:-The following table lists different units or features of a web offset printing machine. Indicate whether each description correctly matches the unit/feature.

Unit/Feature	Description
1. Unwinder	Feeds continuous rolls of paper into the press
2. Printing Unit	Transfers inked image from plate to blanket to paper
3. Folder Unit	Cuts and folds the printed web into individual sheets or signatures
4. Dampening system	Supplies only ink to the plate without water
5. Inking system	Transfers fountain solution to the plate

A:-1ü, 2ü, 3ü, 4Đ, 5Đ

B:-1ü, 2ü, 3Đ, 4ü, 5ü

C:-1Đ, 2ü, 3ü, 4Đ, 5ü

D:-1ü, 2Đ, 3ü, 4ü, 5Đ

Correct Answer:- Option-A

Question62:-Match the units/operations of a sheetfed offset machine in Column A with their primary functions in Column B.

Column A Units/Operations	Column B Functions
1. Feeding Unit	A. Transfers inked image from plate to paper via blanket.
2. Printing Unit	B. Supplies individual sheets of paper to the press
3. Inking System	C. Applies ink evenly to the printing plate
4. Dampening System	D. Applies fountain solution to the plate to repel ink

5. Delivery Unit

E. Collects printed sheets in stacks for finishing

A:-1 – B, 2 – A, 3 – C, 4 – D, 5 – E

B:-1 – A, 2 – B, 3 – D, 4 – C, 5 – E

C:-1 – C, 2 – D, 3 – B, 4 – A, 5 – E

D:-1 – B, 2 – C, 3 – D, 4 – A, 5 – E

Correct Answer:- Option-A

Question63:-Which of the following statement is necessarily true ?

- i. Flexography is a method of indirect rotary printing.
- ii. Gravure is an intaglio printing process in which the ink is transferred from a raised surface.
- iii. Web-offset presses feed from roll on web of paper instead of individual sheet.
- iv. Relief printing is the method involves transferring an image from an image carrier with a sunken image area

A:-Only i is true

B:-i and ii are true

C:-Only iii is true

D:-All are false

Correct Answer:- Option-C

Question64:-_____ is a machine that joints the end of two webs of paper to make a continuous roll without stoping the press.

A:-Drier

B:-Chill rollers

C:-Speed paster

D:-Splicer

Correct Answer:- Option-D

Question65:-A perfecting blanket to blanket web offset press _____

A:-does not have impression cylinder

B:-does not have plate cylinder

C:-does not have dampening roller

D:-None of these

Correct Answer:- Option-A

Question66:-Read the statement carefully and select false statement about press console.

- i. Reduces wastage of paper.
- ii. Reduces the number of people.

- iii. Provide electronic control for register and image quality on the moving web.
- iv. Make adjustment through online.

A:-i and ii are false

B:-ii and iii are false

C:-i, ii and iv are false

D:-iv is false

Correct Answer:- Option-D

Question67:-Flexography was originally known as _____

A:-Porous printing

B:-Aniline printing

C:-Waterless printing

D:-Flexible printing

Correct Answer:- Option-B

Question68:-_____ helps to produce excellent and even inking of the cells in the anilox roller.

A:-Doctor blade

B:-Water marks

C:-Fourdrinier wire mesh

D:-Running in wheels

Correct Answer:- Option-A

Question69:-Another name of gravure printing is called _____

A:-Line casting

B:-Porous printing

C:-Intaglio printing

D:-Relief printing

Correct Answer:- Option-C

Question70:-Etched steel cylinders are used as image carrier in _____

A:-Intaglio printing

B:-Screen printing

C:-Relief printing

D:-Planography

Correct Answer:- Option-A

Question71:-Choose the correct match.

A:-Planography – Non image area accept ink

B:-Porous printing – Squeegee

C:-Relief printing – Rubber or polimer plates are used as image carrier

D:-Non-impact printing – Conventional printing

Correct Answer:- Option-B

Question72:-_____ are solvents added to inks to change the viscosity of the ink.

A:-Tusche

B:-Washup

C:-Thinners

D:-Carousal

Correct Answer:- Option-C

Question73:-Green printing instruct and help companies plan on how to reduce their _____

A:-First aid kits

B:-Environmental impact

C:-Fire hazards

D:-Energy

Correct Answer:- Option-B

Question74:-Collapsible set of rollers expands to store a reserve of paper from expiring roll is known as _____

A:-Pattern perforator

B:-Pattern gluer

C:-Flying pasters

D:-Festoon

Correct Answer:- Option-D

Question75:-Which type of printing mainly uses alternative energy source such as sun, wind and water power ?

A:-Eco-friendly printing

B:-Regular printing

C:-Impact printing

D:-Non-impact printing

Correct Answer:- Option-A

Question76:-Heat-set inks are most commonly used inks in _____

A:-Multi colour printing

B:-Sheetfed offset printing

C:-Perfecting presses

D:-Web offset printing

Correct Answer:- Option-D

Question77:-Which type of printing processes are most commonly used in security printing methods ?

A:-Flexography and ionography

B:-Gravure and offset printing

C:-Digital and thermography

D:-Relief and sublimation printing

Correct Answer:- Option-B

Question78:-An electromagnetic friction coupling used in printing-machine drives primarily functions to

A:-Regulate voltage supply to DC motors

B:-Transmit or interrupt torque between shafts using magnetically engaged friction surfaces

C:-Convert AC supply to DC for control circuits

D:-Provide overload protection for electrical panels

Correct Answer:- Option-B

Question79:-A starting and regulating rheostat used with DC motors primarily serves to

A:-Provide variable resistance to control starting current and speed

B:-Provide magnetic braking during shutdown

C:-Convert three-phase supply to single-phase

D:-Act as a fixed relay contact

Correct Answer:- Option-A

Question80:-In first-angle orthographic projection, the object is placed

- A:-Behind the plane of projection, with the plane between the object and the observer
- B:-Between the observer and the plane of projection
- C:-Above the horizontal plane only
- D:-In the third quadrant

Correct Answer:- Option-A

Question81:-In styles of binding which allows for spine to be one material, front and back boards are covered with another material.

- A:-Quarter bound style
- B:-Full bound style
- C:-Half bound style
- D:-Half bound cut flush style

Correct Answer:- Option-A

Question82:-Binding inset books with wire staples through the middle fold of sheets

- A:-Limp binding
- B:-Saddle stitching
- C:-Project binding
- D:-Side stitching

Correct Answer:- Option-B

Question83:-Style of threadless binding which uses glue or synthetic adhesive in spine of a book

- A:-Loose leaf binding
- B:-Adhesive binding
- C:-Spiral binding
- D:-Comb binding

Correct Answer:- Option-B

Question84:-The process of using small flanged rings clenched into punched holes to reinforce the edges and prevent tearing

- A:-Perforating
- B:-Drilling
- C:-Eyeletting

D:-Punching

Correct Answer:- Option-C

Question85:-'Wire-o' binding refers to

A:-Continuous spiral of wire/plastic thread through punched holes

B:-Wire stitching through spine of the book

C:-Wires running through round holes

D:-Continuous double loop of wire running through slots

Correct Answer:- Option-D

Question86:-The process which is used in book production for easy opening of book and strength

A:-Head banding

B:-Jacketing

C:-Rounding and backing

D:-Casing-in

Correct Answer:- Option-C

Question87:-What would be the spine thickness of a book using text paper volume basis 18 in 95 gsm of 128 pages ?

A:-11 mm

B:-10.5 mm

C:-10 mm

D:-11.25 mm

Correct Answer:- Option-A

Question88:-The controlled pressure on a substrate to form a pattern on various printed products is called as

A:-Creasing

B:-Foil blocking

C:-Die punching

D:-Embossing

Correct Answer:- Option-D

Question89:-In the process of folding the sheets are folded so that the printed matter is in accurate alignment and registration regardless of how the edges fall

A:-Knife folding

B:-Folding to print

C:-Folding to paper

D:-Buckle folding

Correct Answer:- Option-B

Question90:-In gathering operations of sections, placing single/one section inside another is called as

A:-Inserting

B:-Insetting

C:-Interleaving

D:-Tipping-in

Correct Answer:- Option-B

Question91:-Which type of flute is micro flute in corrugated fiber board ?

A:-B-Flute

B:-C-flute

C:-E-flute

D:-A-flute

Correct Answer:- Option-C

Question92:-The method of packaging in which an object is placed in a pre-formed, clear plastic tray and backed by a printed card.

A:-Shrink packaging

B:-Blister packaging

C:-Tetra packaging

D:-Skin packaging

Correct Answer:- Option-B

Question93:-Total period of time the product remain fresh and ready for consumption in the package.

A:-Flavour

B:-Rancidity

C:-Fragrance

D:-Shelf life

Correct Answer:- Option-D

Question94:-Which of the following properties make edible/biodegradable packaging material better than the traditional packaging material ?

A:-Thermal properties

B:-Oxygen transmission rate

C:-Compostability

D:-Water vapor transmission rate

Correct Answer:- Option-C

Question95:-Filling of sterile containers with commercially sterile product is known as _____

A:-Intelligent packaging

B:-Aseptic packaging

C:-Passive packaging

D:-Active packaging

Correct Answer:- Option-B

Question96:-An electronic component used to store electric charge is

A:-Resistor

B:-Rheostat

C:-Capacitor

D:-Inductor

Correct Answer:- Option-C

Question97:-Rectifier is a device used to

A:-Convert resistance to capacitance

B:-Convert DC to AC

C:-Convert ampere to volt

D:-Convert AC to DC

Correct Answer:- Option-D

Question98:-The gears in which the teeth are cut at an angle to the axis of the shaft

A:-Bevel

B:-Helical

C:-Herringbone

D:-Spiral

Correct Answer:- Option-B

Question99:-Which of the following is not a renewable source of energy ?

A:-Fossil fuels

B:-Wind energy

C:-Solar energy

D:-Tidal energy

Correct Answer:- Option-A

Question100:-In orthographic projection, the lines of sight are _____ to the plane of projection.

A:-In line

B:-Parallel

C:-Perpendicular

D:-Inclined

Correct Answer:- Option-C