

## PROVISIONAL ANSWER KEY

Question 41/2024/OL

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Exam: Assistant Professor in Psychiatry (NCA- Viswakarma)

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Question1:-The suprachiasmatic nucleus is influenced by activity, light and which one of the following neurotransmitters ?

A:-Acetylcholine

B:-Melatonin

C:-Norepinephrine

D:-Serotonin

Correct Answer:- Option-B

Question2:-Which one of the following does not belong to the negative symptom domain ?

A:-labile affect

B:-alogia

C:-avolition

D:-asociality

Correct Answer:- Option-A

Question3:-Lesions of which of the following lobe is infamous for causing disinhibited behavior ?

A:-Frontal lobes

B:-Temporal lobes

C:-Occipital lobes

D:-Parietal lobes

Correct Answer:- Option-A

Question4:-Delusion is a disorder of

A:-Thinking

B:-Memory

C:-Insight

D:-None of the above

Correct Answer:- Option-A

Question5:-Which of the following is a gold standard for the assessment of delirium ?

A:-Mania rating scale

B:-Patient health questionnaire

C:-Clinical evaluation

D:-Clock drawing test

Correct Answer:- Option-C

Question6:-Which of the following is not a component of the reward circuit ?

A:-Ventral tegmental area

B:-Prefrontal cortex

C:-Amygdala

D:-Occipital lobe

Correct Answer:- Option-D

Question7:-By making a patient stand with eyes shut and hands outstretched, one can check

A:-Temporal lobe function

B:-Occipital lobe function

C:-Frontal lobe function

D:-Cerebellar function

Correct Answer:- Option-D

Question8:-Which of the following suggests an illusion ?

A:-Occurs in the presence of an external stimulus

B:-Disorder of thinking

C:-Disorder of memory

D:-Diagnostic of Schizophrenia

Correct Answer:- Option-A

Question9:-A 32 years of male patient, amidst conversation uses a term "dipediculoperibronchomatosis". The doctor could not understand it. When asked, the man replies that he used the word to refer to numbness in his legs. Which of the following terms represents this phenomenon ?

A:-Perseveration

B:-Sense of presence

C:-Neologism

D:-Phobia

Correct Answer:- Option-C

Question10:-Which is true about GABA ?

A:-Refers to Gamma Acetylbutyric acid

B:-Is a cannabinoid neurotransmitter

C:-It is an inhibitory neurotransmitter

D:-Plays a major role in encoding memory

Correct Answer:- Option-C

Question11:-Which of the following is the least indication for hospitalization in Schizophrenia ?

A:-Diagnostic clarification

B:-Stabilization of medication

C:-Patient's safety purposes

D:-For educating the patient

Correct Answer:- Option-D

Question12:-Which one of the following is not a poor prognostic factor for Schizophrenia ?

A:-Insidious onset

B:-Late onset

C:-Poor premorbid functioning

D:-Cognitive impairment

Correct Answer:- Option-B

Question13:-A 20 year old man was recently diagnosed with schizophrenia. He has a body mass index of 30, fasting triglycerides of 250 mg/dL and fasting glucose of 200 mg/dL. Which of the following is least likely to worsen his metabolic profile ?

A:-Olanzapine

B:-Quetiapine

C:-Risperidone

D:-Ziprasidone

Correct Answer:- Option-D

Question14:-A patient with schizophrenia has been stabilized on medication but is complaining that he is so tired and sleepy all the time that he no longer wants to take it. Which of the following switching options might be the least likely to cause sedation ?

A:-Aripiprazole

B:-Olanzapine

C:-Clozapine

D:-Promethazine

Correct Answer:- Option-A

Question15:-A 16 year old female is brought to the hospital by her mother because she is complaining that her neighbours spy on her and submit their observations to the government. After evaluation she is diagnosed with schizophrenia and prescribed risperidone. Which of the following is the appropriate target therapeutic dose for this patient ?

A:-0.5 mg/day

B:-3 mg/day

C:-6 mg/day

D:-12 mg/day

Correct Answer:- Option-B

Question16:-Which of the following is a negative symptom ?

A:-Patient complaining of hearing voices

B:-Patient complaining of seeing dark shadows

C:-Patient withdrawing from social activities

D:-Patient showing emotional lability

Correct Answer:- Option-C

Question17:-Which of the following is considered a typical antipsychotic ?

A:-Clozapine

B:-Chlorpromazine

C:-Iloperidone

D:-Paliperidone

Correct Answer:- Option-B

Question18:-Which of the following statements is true about delusional disorder ?

A:-One or more delusions of at least 1 month duration which cannot be attributed to other psychiatric disorders

B:-Patients with grandiose and jealous delusions have relative poor prognosis

C:-Delusions are often bizarre

D:-Patients moods are consistent with the content of their delusions

Correct Answer:- Option-C

Question19:-Factors increasing the risk of recurrence of bipolar disorder during pregnancy include all except

A:-Late age of onset of illnesses

B:-Abrupt discontinuation of treatment

C:-Personal history of perinatal affective episodes

D:-Family history of perinatal affective episodes

Correct Answer:- Option-A

Question20:-Which of the following is not a feature of disruptive mood dysregulation disorder ?

A:-Severe recurrent temper outbursts manifested verbally or behaviorally that are grossly out of proportion in intensity or duration to the situation or provocation

B:-The temper outbursts are consistent with developmental level

C:-The temper outbursts occur, on average, three or more times per week

D:-The mood between temper outbursts is persistently irritable or angry most

of the day, nearly every day and the observable by others

Correct Answer:- Option-B

Question21:-Amitriptyline belongs to which of the following group of antidepressants ?

A:-Monocyclic

B:-Bicyclic

C:-Tricyclic

D:-Tetracyclic

Correct Answer:- Option-C

Question22:-Martin Seligman's theory of depression proposed that life experiences could give rise to a cognitive set termed

A:-Introjection

B:-Negative theory

C:-Learned helplessness

D:-Attribution theory

Correct Answer:- Option-C

Question23:-Which of the following is not an antidepressant ?

A:-Mirtazapine

B:-Venlafaxine

C:-Vilazodone

D:-Buspirone

Correct Answer:- Option-D

Question24:-Mr. K, a 30-year-old medical postgraduate student had extracurricular interests in bike riding and writing. He had broken relationship with his girlfriend. Three months later he lost interest in his hobbies and was convinced that he won't be able to function in the society. He thought life was not worth living and consumed 80 tablets of phenobarbitone to end his life. He is most likely suffering from

A:-Adjustment disorder

B:-Depressive disorder

C:-Post-traumatic stress disorder

D:-Schizophrenia

Correct Answer:- Option-B

Question25:-A 60-year-old man is brought with complaints that he has become increasingly irritable, sleepless, has started spending large amounts of money and shows increased sexual behavior. The most probable mental health cause would be

A:-Mania

B:-Psychosexual developmental disorder

C:-Impulse control disorder

D:-Obsessive compulsive disorder

Correct Answer:- Option-A

Question26:-A 40-year-old female presents with not having any interest in anything, nihilistic attitude, ideas of hopelessness and a sad appearance with suicidal ideas and plans. The most appropriate management is

A:-Antidepressants

B:-Behavior therapy

C:-ECT

D:-Aminophylline

Correct Answer:- Option-C

Question27:-Xenophobia refers to a phobia in which there is

A:-Fear of heights

B:-Fear of strangers

C:-Fear of spiders

D:-Fear of oceans

Correct Answer:- Option-B

Question28:-State which of the following statements are true ?

i. SSRIs are first-line agents in treating anxiety disorders.

ii. Long-term use of benzodiazepine monotherapy is needed for anxiety disorders.

iii. There is strong evidence for the use of antipsychotics in anxiety disorders.

iv. CBT is effective in all anxiety disorders.

A:-i, ii and iii

B:-i, ii and iv

C:-i and iv

D:-i, ii, iii and iv

Correct Answer:- Option-C

Question29:-Which is the brain nucleus, which plays a critical role in forming conditioned fear associations and in organizing fear response ?

A:-Amygdala

B:-Septal nucleus

C:-Nucleus accumbens

D:-Nucleus Basalis of Meynert

Correct Answer:- Option-A

Question30:-Which of the following statements are true ?

A:-Functional neuroimaging studies have shown increased activity in the cortico-striato-thalamo-cortical tracts in Obsessive Compulsive Disorder

B:-Clomipramine is the most potent tricyclic/tetracyclic agent against OCD

C:-Tourette's syndrome is frequently seen comorbidly with OCD

D:-All of the above

Correct Answer:- Option-D

Question31:-Which is not a component of Habit reversal training ?

A:-Awareness training

B:-Competing response training

C:-Social support

D:-Training in progressive muscle relaxation

Correct Answer:- Option-D

Question32:-Features of PTSD include all except

A:-Reliving experiences

B:-Avoidance of reminders

C:-Hypovigilance

D:-None of the above

Correct Answer:- Option-C

Question33:-EMDR is

A:-Eye Movement Deprocessing and Resensitization

B:-Eye Movement Desensitization and Reprocessing

C:-Ego Management Deprocessing and Resensitization

D:-Ego Management Desensitization and Reprocessing

Correct Answer:- Option-B

Question34:-Which of the following scales are not notified in the Procedure Guidelines of RPWD Act for assessment of Intellectual Disability ?

A:-Binet Kamat Test

B:-Vineland Social Maturity Scale

C:-Malin's Intelligence Scale for Indian Children

D:-Bhatia Battery Test of Intelligence

Correct Answer:- Option-D

Question35:-Non-stimulant medications used in the treatment of ADHD include :

i. Atomoxetine

ii. Dexmethylphenidate

iii. Clonidine

iv. Bupropion

A:-ii, iii, iv

B:-i, ii, iii

C:-i, iii, iv

D:-i, iii

Correct Answer:- Option-C

Question36:-Heller's syndrome is a pervasive developmental disorder

A:-seen only in girls

B:-with regression after 2 years of normal development

C:-with no delay in language development

D:-with no stereotypies

Correct Answer:- Option-B

Question37:-The cognitive domain which is not affected in neurocognitive disorder is

A:-Executive function

B:-Perceptuo-motor function

C:-Social cognition

D:-None of the above

Correct Answer:- Option-D

Question38:-Regarding immunomodulators used for dementia, which is the false statement ?

i. Aducanumab and lecanemab have been approved for treatment of early dementia

ii. They are effective in causing significant slowing of cognitive decline

iii. They cause adverse events like altered sensorium, headache, seizures, etc.

iv. They halt the disease progression

A:-i, ii, iii

B:-i, iii

C:-all of the above

D:-none of the above

Correct Answer:- Option-A

Question39:-Spot the false statement

A:-Somatic complaints are seen more frequently in elderly with depression

B:-Elderly persons have a lower risk of suicide

C:-Primary insomnia is more common among older adults

D:-Many medications used in older adults can cause psychiatric symptoms

Correct Answer:- Option-B

Question40:-Which is true regarding premenstrual dysphoric disorder ?

A:-Onset within a few days before the onset of menses

B:-Lasts for two weeks after menses

C:-Feelings of euphoria

D:-Breast tenderness, bloating and weight gain may be seen

Correct Answer:- Option-D

Question41:-Match the following.



- i. Postpartum depression
  - ii. Postpartum blues
  - iii. Postpartum psychosis
  - iv. With postpartum onset
- a. Seen in 30-75% postpartum women
  - b. Risk of suicide and infanticide high
  - c. Onset within 4-6 weeks of delivery
  - d. Feelings of inadequacy and guilt

A:-i-c, ii-d, iii-a, iv-b

B:-i-b, ii-c, iii-a, iv-d

C:-i-d, ii-a, iii-b, iv-c

D:-i-b, ii-a, iii-d, iv-c

Correct Answer:- Option-C

Question42:-REM sleep behaviour disorder is a feature suggestive of which condition ?

A:-Alzheimer's disease

B:-Pick's disease

C:-Creutzfeldt Jakob disease

D:-Lewy Body disease

Correct Answer:- Option-D

Question43:-Stimulus control therapy involves the following steps except

A:-Go to bed only when sleepy

B:-Use the bed only for sleeping

C:-Even if unable to sleep, do not leave the bed

D:-Awaken at the same time every morning regardless of total sleep time

Correct Answer:- Option-C

Question44:-Which of the following medicines can cause priapism ?

A:-Bupropion

B:-Trazodone

C:-Sertraline

D:-Venlafaxine

Correct Answer:- Option-B

Question45:-Match the following :

- i. Sexual dysfunction in couples
- ii. Vaginismus
- iii. Premature ejaculation
- iv. Female orgasmic disorder

- a. Squeeze technique
- b. Masturbation
- c. Sensate focus therapy
- d. Dilators

A:-i-c, ii-d, iii-a, iv-b

B:-i-b, ii-c, iii-d, iv-a

C:-i-d, ii-a, iii-b, iv-c

D:-i-a, ii-c, iii-d, iv-b

Correct Answer:- Option-A

Question46:-Regarding lab investigations in anorexia nervosa, all are true except

A:-Leukopenia with relative lymphocytosis

B:-hyperkalemic alkalosis in binge-eating, purging type

C:-hypotension and bradycardia with ST segment and T-wave changes in ECG

D:-mild hypothyroidism

Correct Answer:- Option-B

Question47:-In DSM-5, which is not included as a codable dissociative disorder ?

A:-Dissociative fugue

B:-Dissociative amnesia

C:-Dissociative identity disorder

D:-Depersonalization/derealization disorder

Correct Answer:- Option-A

Question48:-Dissociative convulsions are coded in ICD-11 under

A:-Functional neurological symptom disorder

B:-Conversion disorder

C:-Dissociative neurological symptom disorder

D:-Depersonalization/derealization disorder

Correct Answer:- Option-C

Question49:-Somatoform disorders are included in ICD-11 as

A:-Illness anxiety disorder

B:-Bodily distress disorder

C:-Somatic symptom disorder

D:-Body dysmorphic disorder

Correct Answer:- Option-B

Question50:-Management of somatic symptom disorder includes all except

A:-Group psychotherapy

B:-Antidepressants

C:-Frequent, regular physical examination

D:-Treat incidental physical examination findings

Correct Answer:- Option-D

Question51:-Issues in the management of psychosomatic disorders include

A:-Potential drug-drug interactions of psychotropic agent

B:-Contraindications for use of psychotropic agents

C:-Side effects of psychotropic agents

D:-All of the above

Correct Answer:- Option-D

Question52:-Teratogenic effect of Lithium

A:-Cleft lip

B:-Spina bifida

C:-Ebstein's anomaly

D:-Hyperthyroidism

Correct Answer:- Option-C

Question53:-Psychoanalysis online written by

A:-Buckley

B:-Jill Savege

C:-Michels

D:-None of the above

Correct Answer:- Option-B

Question54:-Indications for family and couple therapy are

A:-When problems exist across generational boundaries

B:-at significant times of families life cycle

C:-when a couple asks for therapy

D:-all of the above

Correct Answer:- Option-D

Question55:-Dialectical behavioral therapy developed by

A:-Aaronbeck

B:-Eric Berkne

C:-Frued

D:-Marsha Linehan

Correct Answer:- Option-D

Question56:-Selection criteria for STAPP

A:-Presence of circumscribed chief complaint

B:-Evidence of a meaningful relationship in childhood

C:-Motivation for change

D:-All of the above

Correct Answer:- Option-D

Question57:-Guided imagery therapy was systematized by

A:-Carl Jung

B:-Johannes Heinrich

C:-Hanscarl Leuner

D:-Ken Wilber

Correct Answer:- Option-C

Question58:-Objectives for emergency intervention are

A:-To safeguard life of the patient

B:-To reduce the anxiety of patient and family members

C:-To enhance emotional security of others in the environment

D:-All of the above

Correct Answer:- Option-D

Question59:-Which of the following is not a psychiatric emergency ?

A:-Violence or excitement

B:-Drug withdrawal

C:-Suicide attempt

D:-Severe depression

Correct Answer:- Option-D

Question60:-Differential diagnosis of violent behavior include

A:-Cerebral infection

B:-Electrolyte imbalance

C:-Antisocial personality disorder

D:-All of the above

Correct Answer:- Option-D

Question61:-The single most predictive factor for elder abuse

A:-Alcohol abuse by caretaker

B:-Financial dependency

C:-Social isolation

D:-Inexperience in care giving

Correct Answer:- Option-A

Question62:-Which among the following is not a hallucinogen ?

A:-LSD

B:-Peyote

C:-Marijuana

D:-Ketamine

Correct Answer:- Option-C

Question63:-Consent - all are true except

A:-is entirely voluntarily given

B:-patient can withdraw consent at any stage

C:-withdrawal of consent will affect the interest of the patient

D:-the only exception to treating without consent will be in an emergency situation

Correct Answer:- Option-C

Question64:-Rights of persons with mental illness include

A:-right to access mental health care

B:-right to confidentiality

C:-right to legal aid

D:-all of the above

Correct Answer:- Option-D

Question65:-Declaration of Helinski-all are true except

A:-guidelines on research involving human subjects

B:-developed by WHO

C:-it declares that the physician will act in the patient's best interest when providing medical care

D:-Primary goal of generating new knowledge can never take precedence over rights and interests of individual research subjects.

Correct Answer:- Option-B

Question66:-Grounds available for nullity of marriage in Hindu Marriage Act are

A:-adultery

B:-cruelty

C:-insanity

D:-all of the above

Correct Answer:- Option-D

Question67:-Salient features of RPWD 2016 are

A:-greater number of disabilities recognized

B:-clearer definitions

C:-assessment of disability and certification

D:-all of the above

Correct Answer:- Option-D

Question68:-Disorders currently under clinical trial assessing the benefits of Psilocybin are all except

A:-Major depressive disorder

B:-Tobacco use disorder

C:-Bipolar disorder

D:-Chronic pain

Correct Answer:- Option-C

Question69:-All are true in the management of neuropsychological sequelae of head injury except

A:-Doses of psychotropics should be prudently increased

B:-ECT is contra indicated

C:-Pathological emotions respond to SSRIs

D:-Secondary mania is treated with mood stabilizers

Correct Answer:- Option-B

Question70:-Anticraving drug that can be given for hepatically compromised alcohol dependent patients is

A:-Acamprosate

B:-disulfiram

C:-carbamazepine

D:-valproate

Correct Answer:- Option-A

Question71:-Maximum does of aripiprazole depot

A:-100 mg/month

B:-200 mg/month

C:-300 mg/month

D:-400 mg/month

Correct Answer:- Option-D

Question72:-All are anti epileptics except

A:-lamotrigine

B:-stiripentol

C:-pregabalin

D:-retigabine

Correct Answer:- Option-C

Question73:-Types of TMS are all except

A:-repetitive TMS

B:-patterned Rtms

C:-paired pulse intra cortical

D:-all of the above

Correct Answer:- Option-D

Question74:-Absolute contraindication for ECT

A:-pregnancy

B:-raised ICT

C:-recent MI

D:-none of the above

Correct Answer:- Option-D

Question75:-Pharmacotherapy of resistant OCD include

A:-SSRIs

B:-clomipramine

C:-augmentation with lithium

D:-all of the above

Correct Answer:- Option-D

Question76:-Mini Mental Status examination was created by

A:-Marshal Folstein

B:-Andre Rey

C:-Paul-Alexandre Osterrieth

D:-Edith Mayer Taylor

Correct Answer:- Option-A

Question77:-Which is NOT a component of tetrad of symptoms in Gerstmanns syndrome ?

A:-Left right disorientation

B:-Acalculia

C:-Finger agnosia

D:-Emotional lability

Correct Answer:- Option-D

Question78:-DBT was developed by Marsha Linehan for

A:-Borderline personality disorder

B:-Bipolar disorder

C:-OCD

D:-PTSD

Correct Answer:- Option-A

Question79:-Anaclitic depression was described by

A:-Rene Spitz

B:-Rene Decartes

C:-Aaron Beck

D:-Albert Ellis

Correct Answer:- Option-A

Question80:-The experience of being unfamiliar with a person or situation that is actually very familiar is known as

A:-Presque vu

B:-Déjà vu

C:-Jamais vu

D:-Mandela effect

Correct Answer:- Option-C

Question81:-The risk of clozapine induced agranulocytosis during the first year of treatment is

A:-3%

B:-30%

C:-0.73%

D:-22.6%

Correct Answer:- Option-C

Question82:-Tobacco affects clozapine metabolism through

A:-CYP2D9

B:-CYP1A2

C:-CYP3A4

D:-CYP2C9

Correct Answer:- Option-B

Question83:-Level 3 of STAR\*D trial advises augmentation with

A:-Cognitive therapy

B:-Mirtazipine

C:-Lithium

D:-Bupropion

Correct Answer:- Option-C

Question84:-The type of validity that is concerned with how well a measure covers the construct that is being measured is known as

A:-Concurrent validity

B:-Internal validity

C:-Content validity

D:-Criterion validity

Correct Answer:- Option-C

Question85:-Strange situation experiments to understand attachment was devised by

A:-Jean Piaget

B:-Mary Ainsworth

C:-Erik Erikson

D:-Erik Hesse

Correct Answer:- Option-B

Question86:-Lithium in pregnancy is classified in

A:-Category X

B:-Category C



C:-Category D

D:-Category B

Correct Answer:- Option-C

Question87:-Which is NOT a mature defense mechanism ?

A:-Humor

B:-Altruism

C:-Sublimation

D:-Rationalization

Correct Answer:- Option-D

Question88:-D cycloserine is a partial agonist at

A:-Dopamine receptor

B:-NMDA receptor

C:-Nicotinic acetylcholine receptors

D:-AMPA receptor

Correct Answer:- Option-B

Question89:-Sleep spindles and k complexes are characteristic of

A:-NREM 1

B:-NREM 2

C:-NREM 3

D:-NREM 4

Correct Answer:- Option-B

Question90:-Psychological pillow is seen in

A:-Depression

B:-Dementia

C:-Catatonia

D:-Schizophrenia

Correct Answer:- Option-C

Question91:-Briquets syndrome is a

A:-Somatization disorder

B:-Personality disorder

C:-Eating disorder

D:-Hoarding disorder

Correct Answer:- Option-A

Question92:-World Alzheimers Day is celebrated on

A:-October 10

B:-March 30

C:-May 24

D:-September 21

Correct Answer:- Option-D

Question93:-Magnans sign is seen in persons using

A:-opiod

B:-alcohol

C:-cocaine

D:-LSD

Correct Answer:- Option-C

Question94:-Disulfuram causes inhibition of

A:-Alcohol dehydrogenase

B:-Aldehyde dehydrogenase

C:-Acetaldehyde dehydrogenase

D:-Acetate Co A ligase

Correct Answer:- Option-B

Question95:-Ebstein anomaly is associated with

A:-Sodium valproate

B:-Lithium

C:-Lamotrigine

D:-Carbamazepine

Correct Answer:- Option-B

Question96:-Token economy is a technique based on the principles of

A:-Classical conditioning

B:-Punishment

C:-Operant conditioning

D:-Extinction

Correct Answer:- Option-C

Question97:-Admission of a minor under MHCA 2017, is under the section

A:-Section 86

B:-Section 87

C:-Section 89

D:-Section 90

Correct Answer:- Option-B

Question98:-Post injection delirium syndrome is associated with long acting injection of

A:-Risperidone

B:-Aripiprazole

C:-Olanzapine

D:-Flupenthixol

Correct Answer:- Option-C

Question99:-Landmark epidemiological study of schizophrenia in India is

A:-BALANCE

B:-STEP BD

C:-SOFACOS

D:-CATIE

Correct Answer:- Option-C

Question100:-Cronbachs alpha measures

A:-External validity

B:-Internal validity

C:-Criterion validity

D:-Internal consistency

Correct Answer:- Option-D