

Question Booklet No.

(To be filled up by the candidate by **blue/black ball-point pen**)Roll No.

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Roll No. (Write the digits in words)

Serial No. of OMR Answer Sheet

Day and Date

(Signature of Invigilator)

INSTRUCTIONS TO CANDIDATES(Use only **blue/black ball-point pen** in the space above and on both sides of the **Answer Sheet**)

1. Within 10 minutes of the issue of the Question Booklet, Please ensure that you have got the correct booklet and it contains all the pages in correct sequence and no page/question is missing. In case of faulty Question Booklet, bring it to the notice of the Superintendent/Invigilators immediately to obtain a fresh Question Booklet.
2. Do not bring any loose paper, written or blank, inside the Examination Hall *except the Admit Card without its envelope*.
3. *A separate Answer Sheet is given. It should not be folded or mutilated. A second Answer Sheet shall not be provided.*
4. Write your Roll Number and Serial Number of the Answer Sheet by pen in the space provided above.
5. *On the front page of the Answer Sheet, write by pen your Roll Number in the space provided at the top, and by darkening the circles at the bottom. Also, wherever applicable, write the Question Booklet Number and the Set Number in appropriate places.*
6. *No overwriting is allowed in the entries of Roll No., Question Booklet No. and Set No. (if any) on OMR sheet and Roll No. and OMR sheet No. on the Question Booklet.*
7. *Any changes in the aforesaid-entries is to be verified by the invigilator, otherwise it will be taken as unfair means.*
8. *This Booklet contains 40 multiple choice questions followed by 10 short answer questions. For each MCQ, you are to record the correct option on the Answer Sheet by darkening the appropriate circle in the corresponding row of the Answer Sheet, by pen as mentioned in the guidelines given on the first page of the Answer Sheet. For answering any five short Answer Questions use five Blank pages attached at the end of this Question Booklet.*
9. For each question, darken only one circle on the Answer Sheet. If you darken more than one circle or darken a circle partially, the answer will be treated as incorrect.
10. *Note that the answer once filled in ink cannot be changed.* If you do not wish to attempt a question, leave all the circles in the corresponding row blank (such question will be awarded zero marks).
11. For rough work, use the inner back page of the title cover and the blank page at the end of this Booklet.
12. Deposit **both OMR Answer Sheet and Question Booklet** at the end of the Test.
13. You are not permitted to leave the Examination Hall until the end of the Test.
14. If a candidate attempts to use any form of unfair means, he/she shall be liable to such punishment as the University may determine and impose on him/her.

Total No. of Printed Pages : 15

FOR ROUGH WORK

Research Entrance Test – 2014

No. of Questions : 50

Time : 2 Hours

Full Marks : 200

- Note:** (i) This Question Booklet contains **40** Multiple Choice Questions followed by **10** Short Answer Questions.
- (ii) Attempt as many MCQs as you can. Each MCQ carries **3 (Three)** marks. **1 (One)** mark will be deducted for each incorrect answer. Zero mark will be awarded for each unattempted question. If more than **one** alternative answers of MCQs seem to be approximate to the correct answer, choose the closest one.
- (iii) Answer only **5** Short Answer Questions. Each question carries **16 (Sixteen)** marks and should be answered in **150-200** words. Blank **5 (Five)** pages attached with this booklet shall only be used for the purpose. Answer each question on separate page, after writing Question No.

1. Decrease in biodiversity in tropical countries is mainly due to :
(1) Urbanization (2) Deforestation
(3) Pollution (4) Soil erosion
2. Where does glycolysis occur in a cell ?
(1) Chloroplast (2) Mitochondria (3) Cytoplasm (4) Golgi body
3. The process that accounts for transfer of genetic information from DNA to RNA is called as :
(1) Translocation (2) Translation (3) Transformation (4) Transcription
4. Leydig's cells produce :
(1) Thyroxine (2) Growth hormone
(3) Testosterone (4) Progesterone
5. A tumor suppressor gene which is known as "Guardian of the genome" is :
(1) myc (2) P⁵³ (3) Sr C (4) H-Ras
6. Which is the function of interleukins ?
(1) Stimulation of wound healing
(2) Treatment of infertility
(3) Dissolving blood clot
(4) Enhancement of action of immune system
7. Which of the following is *not* an anticoagulant ?
(1) Heparin (2) Protamine sulphate
(3) Warfarin (4) Hirudin
8. Which of the following is *not* a part of triple response ?
(1) White reaction (2) Red reaction (3) Wheal (4) Flare
9. Virus envelope is known as :
(1) Capsid (2) Virion (3) Nucleoprotein (4) Core
10. Peptide synthesis inside a cell takes place in :
(1) Mitochondria (2) Chloroplast (3) Ribosomes (4) Chromoplast

11. Freud's 'Anal' stage of development corresponds in time to which stage of Erikson's Model :
- (1) Initiative vs guilt (2) Identity vs role Confusion
 (3) Autonomy vs Shame (4) Trust vs Mistrust
12. Which disease has been thought to be due to an increased number of CAG repeats at a locus on chromosome 4p 16 ?
- (1) Down's Syndrome (2) Huntington's
 (3) Phenylketonuria (4) ADHD
13. Which is not a cognitive dysfunction ?
- (1) Overgeneralization (2) Arbitrary inference
 (3) Catastrophic thinking (4) Thought block
14. Which of the following is seen associated with alcoholic paranoia ?
- (1) Confabulation (2) Delusions
 (3) Hallucinations (4) Impulsiveness
15. Carl Rogers identified all of the following as therapist characteristics most associated with successful therapy outcome EXCEPT :
- (1) Empathy (2) Non possessive warmth
 (3) Affective stability (4) Unconditional positive regard
16. In acute schizophrenia, distraction may be regarded as a result of formal thought disorder through all of the following processes EXCEPT :
- (1) Isolation (2) Displacement
 (3) Condensation (4) Symbolism
17. In schizophrenia
- (1) Working memory is lost (2) Procedural memory is lost
 (3) Semantic memory is lost (4) Both (1) and (3)
18. All of the following is true about Buspirone EXCEPT :
- (1) It's an anxiolytic (2) It's an Antidepressant
 (3) No anticonvulsant action (4) Good sedative action

19. The name angel dust refers to
- (1) MDMA (2) LSD
(3) PCP (4) Impure heroin
20. Which is associated with a relatively lower suicide completion risk ?
- (1) Elderly male (2) Personality disorder
(3) Amphetamine abuse (4) Schizophrenia
21. After an attempt, which of the following suggest a low risk for suicide at the time of interview ?
- (1) Helplessness
(2) Suddenly becoming cheerful
(3) Exhaustion
(4) Remorse regarding suicide attempt
22. Which of the following is associated with rubbing in crowded public places
- (1) Frotteurism (2) Voyeurism
(3) Fetishism (4) Exhibitionism
23. Which of the following is **NOT** a Syndrome associated with Schizophrenia ?
- (1) Briquet's syndrome (2) Disorganization syndrome
(3) Reality distortion syndrome (4) Psychomotor poverty syndrome
24. Which of the following is **TRUE** regarding suicide ?
- (1) Males aged 30-34 have the highest age specific rates of suicide
(2) Schizophrenia carries greater suicide risk than other psychiatric disorders.
(3) Both hanging and deliberate self poisoning are the most frequent methods of female suicide
(4) 20% of people who commit suicide present to an Health professional in the month prior to death
25. Reality distortion in Schizophrenia is related to :
- (1) parahippocampal gyrus & medial temporal
(2) prefrontal cortex & medial temporal
(3) parahippocampal gyrus & anterior cingulate
(4) Parietal lobe

26. Which of the following is True about twilight states ?
- (1) There is no break in the continuity of consciousness
 - (2) There is relative disorderly behaviour
 - (3) There is no lowering of consciousness
 - (4) They may appear oriented
27. The following is FALSE with regards to the Mini-Mental State Examination :
- (1) Has a sensitivity of 87% for presence of delirium
 - (2) Has a specificity of 82% for presence of delirium
 - (3) A score less than 20 suggests organic brain aetiology
 - (4) Is used to differentiate delirium from dementia
28. A non-psychotic depressed person hears people plotting to kill him. He may be suffering from
- (1) Hallucinations
 - (2) Delusions
 - (3) Affect illusions
 - (4) Thought broadcasting
29. Which statement regarding Doxepin overdose is FALSE ?
- (1) Its anti-histamine effects are more marked than most other TCA drugs.
 - (2) TCA's do not antagonise Acetyl-choline at the Nicotinic receptors
 - (3) Doxepin causes seizures through its antagonism of GABA receptors and Sodium channel blockade
 - (4) Neurotoxicity with subsequent seizure is the most important factor causing mortality
30. The term Schizophrenia was coined by :
- (1) Emil Kraepelin
 - (2) Franz Morel
 - (3) Eugene Bleuler
 - (4) Kurt Schneider
31. With personality disorders, the following are true EXCEPT :
- (1) Cluster 'C' represents the 'anxious & fearful' group of personality disorders
 - (2) Personality disorder is a 'Axis III' diagnosis
 - (3) Both Anti-social and Histrionic personality disorders are found in Cluster 'B'
 - (4) A person with Avoidant personality disorder is socially withdrawn but actually would like to have friends

32. Which of the following is True regarding Charles Bonnet Syndrome ?
- (1) not seen in peripheral causes of visual loss
 - (2) associated with complex visual hallucinations
 - (3) associated with primary auditory hallucinations
 - (4) occurs in altered states of consciousness
33. Distractibility is seen in all of the following conditions EXCEPT
- | | |
|-----------------------|---------------------------|
| (1) Panic disorder | (2) Organic brain illness |
| (3) Severe depression | (4) Mania |
34. Which is **TRUE** regarding suicide :
- (1) Patients rarely seek help prior to suicide
 - (2) Men are more likely to have successful suicide attempts and have a higher lifetime prevalence of suicide attempts than women.
 - (3) Paroxetine is a good anti suicidal antidepressant
 - (4) A psychiatric diagnosis is present in 90% of completed suicides.
35. Organic causes for mental disorder are more likely in all the following EXCEPT those with :
- (1) Visual hallucinations
 - (2) A family history of psychiatric illness
 - (3) Onset in the last 2 days
 - (4) Age >30 years
36. In ICD 10, Emotional disorders with onset specific to childhood does not include
- (1) Depressive disorder of childhood
 - (2) Social anxiety disorder of childhood
 - (3) Phobic anxiety disorder of childhood
 - (4) Sibling Rivalry disorder
37. Which of the following is TRUE regarding Bipolar affective disorder ?
- (1) Male : Female incidence is equal
 - (2) Rapid Cyclers have 5 or more episodes of mania and depression per year
 - (3) Criteria include poor self esteem and flight of ideas
 - (4) Most patients with a manic state do not have Bipolar affective disorder

38. All of the following are First Rank Symptoms of Schizophrenia EXCEPT :
- (1) Thought broadcasting
 - (2) 'Made' affects
 - (3) Derailment
 - (4) Voices arguing
39. Which of the following is TRUE about Schizophrenia
- (1) Is typically associated with visual hallucinations
 - (2) Is more common in males
 - (3) Has a 20yr suicide rate of up to 22%
 - (4) Has a prevalence of 2-4% of the population
40. Which of the following responds best to ECT ?
- (1) Schizophrenia
 - (2) acute agitation
 - (3) Psychotic depression
 - (4) Major Depression

Attempt any five questions. Write answer in 150-200 words. Each question carries 16 marks. Answer each question on separate page, after writing Question Number.

1. Culture bound syndrome
2. Crisis intervention
3. Id, Ego, Super ego
4. Attention and its classification
5. Oedipus complex
6. School refusal
7. Interpersonal psychotherapy
8. Mature defense mechanisms
9. Classical Conditioning
10. Memory and name a test for estimating memory

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Q. No. :

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FOR ROUGH WORK

